PRODUCT LINE

SITstore

PRODUCT LINE

Welcome to the SIT Product Line catalogue

For over 60 years, SIT safety and regulation devices have been chosen by appliance manufacturers to equip a great number of boilers, stoves, water heaters, ovens, fryers, large kitchens and other gas appliances. Currently millions of such devices come into service every year.

The strength, operating precision and reliability combined with a long working life are the secret behind such widespread production.
The ISO 9001 certification procedures are strictly applied in the SIT factories and every part of every single product is tested before despatch to the customer.

When a spare is necessary, SIT's policy is to ensure that all their Customers will be able to replace any device with the same model or with others of equivalent characteristics.

As well as the more complex multifunctional controls, a considerable series of accessories is made available to the Customer for a wide range of applications: normal or interrupted thermocouples, connectors, piezo-electric and electronic igniters, detection and ignition probes, connection fittings, flanges and so forth.

With a view to our service to our customers, the Product Line catalogue permits fast and correct identification for the most suitable product for your needs.

Product Line

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GENERAL NOTES FOR USE OF THE CATALOGUE

The SIT Products Line catalogue is the tool for seeking and identifying products and accessories. Its structure has been conceived to facilitate this operation.

The procedures for recognising the identification codes of the products to be replaced are described in the first part. These allow you to find the description and characteristics of the suitable spares in the catalogue.

The middle part lists the spare parts and accessories sorted by product series.

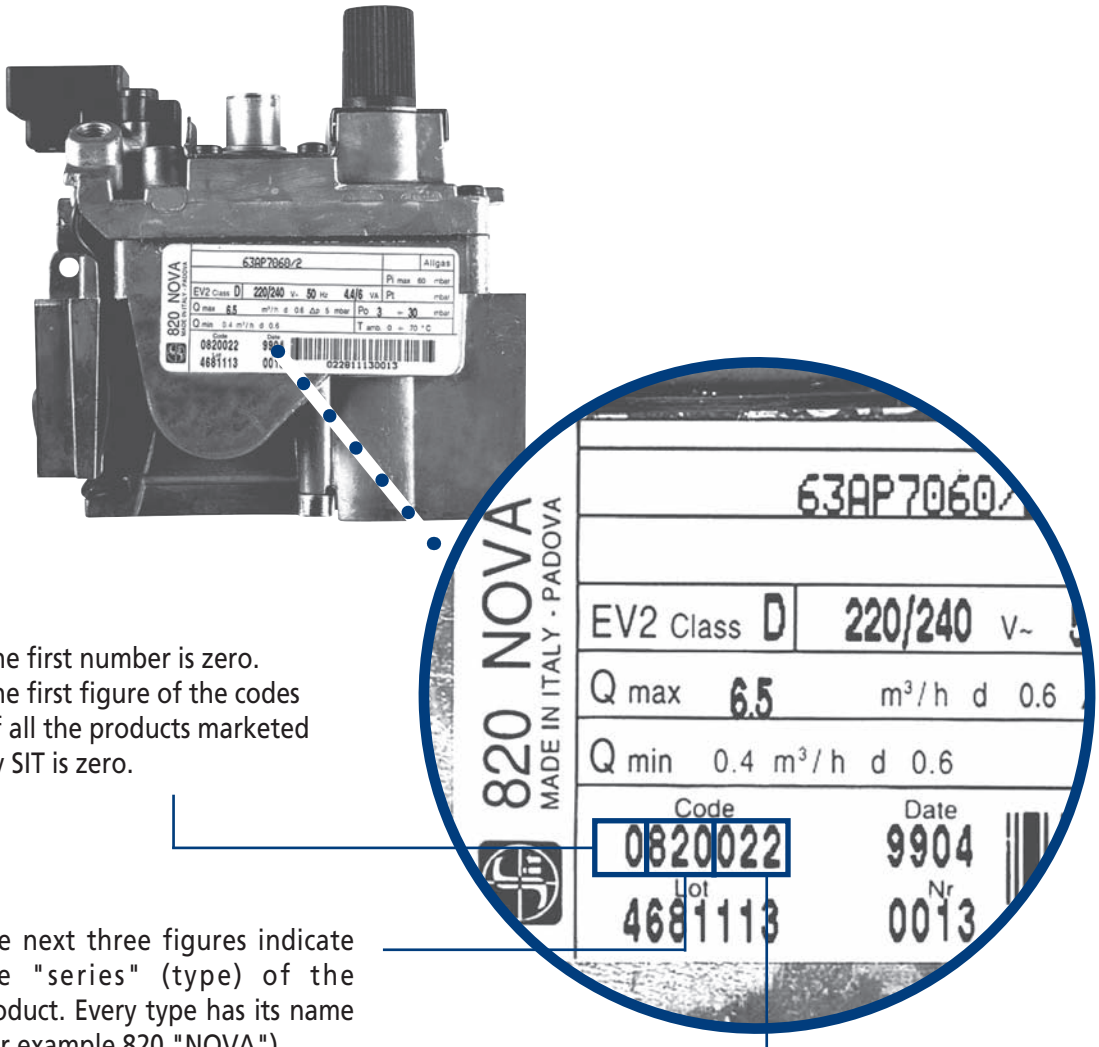
Finally, some useful information on the product and on the reference standards are provided.

The most common SIT codes are indicated in the Product Line catalogue. If you do not find the code you are interested in, please contact our offices which are at your disposal for all information or clarification whether of a technical or commercial nature.

You will find our contact addresses on page 8.

HOW TO IDENTIFY THE MOST SUITABLE SPARE

The correct choice of the spare part requires the identification of the product to be replaced. The SIT codes unequivocally identify the product and are printed on all the products. The SIT codes are always composed of seven figures.



The first number is zero.
The first figure of the codes of all the products marketed by SIT is zero.

The next three figures indicate the "series" (type) of the product. Every type has its name (for example 820 "NOVA").
The products shown in the catalogue are ordered by series.

The last three figures identify the specific product within the series and therefore unequivocally identify all its characteristics.

WHO TO ASK

It can often happen that you need clarification or information, for example, about the possibility of getting a certain spare part code, technical characteristics of a control, or more detailed information regarding an accessory.
We are at your disposal during office hours at the following numbers for these or other requirements:

SUBSIDIARIES	AREA
ITALY SALES AREA Viale dell'Industria 31-33, 35129 PADOVA - ITALY Tel. +39/049.829.31.11, Fax +39/02.700.464.28 sit.italy@sitgroup.it	Italy - Austria - Belgium - Cyprus - Denmark - France - Greece - Hungary - Kenya - Korea - Maghreb - Malta - Portugal - Romania - Serbia - Spain - Switzerland - Turkey
SIT Controls CR S.R.O. Vídenská 125 , 619 00 BRNO - CESKÁ REPUBLIKA Tel. +420/5/47.12.53.53, Fax +420/5/47.12.53.55 sit.czechrep@sitgroup.it	Czech Republic - Slovak Republic -Poland - Ukraine - Hungary
SIT Controls CR – office Moscow Vysokovoltnyj pr.1, build.43, postbox 17, 127566, Moscow - Russia Tel./Fax +7/499/6827147 office.moscow@sitgroup.it	CIS excluding Ukraine
SIT Controls Deutschland GmbH Wiebelsheidestr. 45a, 59757 ARNSBERG - GERMANY Tel. +49/2932/969.40, Fax +49/2932/96.94.50 sit.germany@sitgroup.it	Germany
SIT Controls BV Industrieweg 35 C, 7903 AH HOOGEVEEN - THE NETHERLANDS Tel. +31/528/24.65.60, Fax +31/528/23.22.72 sit.holland@sitgroup.it	The Netherlands
SIT CONTROLS UK LTD. Unit 5, West Moor Park,Yorkshire way, DONCASTER DN3 3FB - U.K. Tel.+44/1455/84.91.30, Fax +44/1455/84.91.31 sit.uk@sitgroup.it	United Kingdom - Northern Ireland
SIT Controls USA, Inc. 1110 Center Park Drive, Suite F, CHARLOTTE, N.C. 28217 - U.S.A. Tel. +1/704/522.63.25, Fax +1/704/522.79.45 sit.usa@sitgroup.it	U.S.A
SIT CONTROLS USA, South America Office Rioja 656 Piso 11 "A" S2000 AYF Rosario P.cia Santa Fe - ARGENTINA Tel.: +54/341 447.05.93, Fax: +54/341 447.05.93 sit.southamerica@sitgroup.it	South America
SIT GAS CONTROLS LTD. 8 Pickering Road, Mulgrave, VICTORIA 3170 - AUSTRALIA Tel. +61/3/95.60.14.44, Fax +61/3/95.60.01.95 sit.australia@sitgroup.it	Australia, New Zealand and South East Asia
SIT (SHANGHAI) TRADING CO. LTD. 147 Chen An Road, Ma Lu Town Industrial Garden, Jiading District, 201801 Shanghai, CHINA Tel. +86/21/59102928/59.10.05.63/59.10.15.77, Fax +86/21/59100129 Info@sitchina.com.cn	China

Your impressions of our catalogue are very precious for us. Please therefore communicate them to us so that we can provide you with a better service.

TECHNICAL FEATURES

Pilot Burners

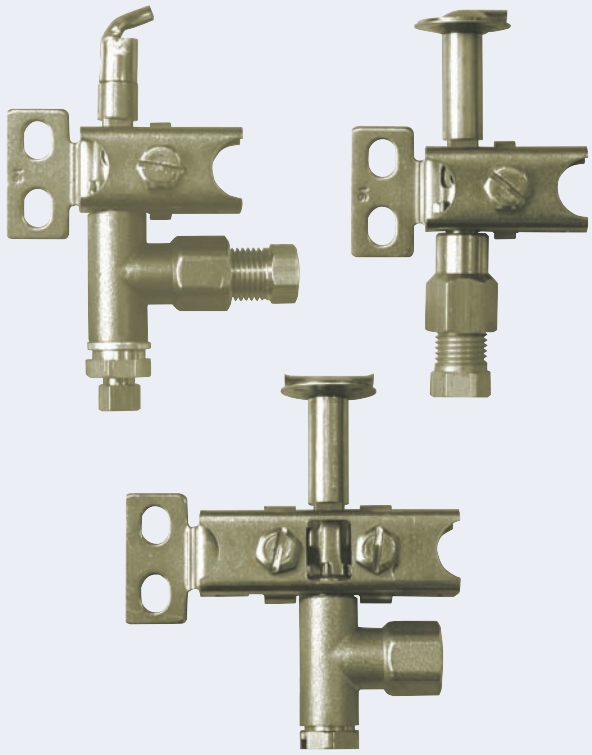
100 SERIES
140 SERIES
145 SERIES
150 SERIES
160 SERIES
190 SERIES
PRIMEAIR SERIES
OXYPROTECTOR 8200 SERIES
OXYPROTECTOR 8300 SERIES
OXYPROTECTOR 8400 SERIES
OXYPROTECTOR 8550 SERIES
OXYPROTECTOR 85/86/8750 SERIES
OXYPILOT 9000 SERIES

PILOT 100 SERIES

CHARACTERISTICS

- 1-2-3 flame hoods with different orientations
- spark electrode available
- 4 mm, 6 mm and 1/4" pilot tube shear-off
- 2 or 3 positions brakets, for use with thermocouples with unified sleeve (unless otherwise specified)
- horizontal or vertical gas inlet
- internal or external gas adjustment, or fixed injector.

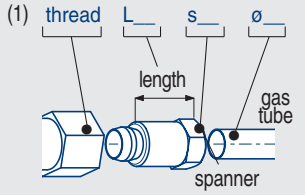
The energy consumption is approximately 210 W.



CODE	Pilot hood N. flames	Injector ø [mm]	Gas connection (1)	Orientation/ N. positions (2)	Gas type (3)	Gas inlet gas adjustment
0.100.001	3	0.20	M10x1 L16 s10 ø6 mm	420/3	multigas	horizontal, internal adjustment
0.100.004	3	0.35	M10x1 L16 s10 ø6 mm	420/3	multigas	horizontal, internal adjustment
0.100.005	3	0.40	M10x1 L16 s10 ø6 mm	420/3	multigas	horizontal, internal adjustment
0.100.006	3	0.45	M10x1 L16 s10 ø6 mm	420/3	multigas	horizontal, internal adjustment
0.100.009	3	0.20	M10x1 L16 s10 ø4 mm	420/3	multigas	horizontal, internal adjustment
0.100.011	3	0.35	M10x1 L16 s10 ø1/4"	410/3	multigas	horizontal, internal adjustment
0.100.013	1	0.20	M10x1 L16 s10 ø6 mm	120/2	multigas	horizontal, internal adjustment
0.100.016	1	0.20	M10x1 L16 s10 ø4 mm	120/2	multigas	horizontal, internal adjustment
0.100.017	1	0.20	M10x1 L16 s10 ø1/4"	120/2	multigas	horizontal, internal adjustment
0.100.020	2	0.20	M10x1 L16 s10 ø6 mm	220/2	multigas	horizontal, internal adjustment
0.100.022	2	0.40	M10x1 L16 s10 ø6 mm	220/2	multigas	horizontal, internal adjustment
0.100.024	2	0.20	M10x1 L16 s10 ø1/4"	220/2	multigas	horizontal, internal adjustment
0.100.025	3	0.20	M10x1 L16 s10 ø6 mm	320/2	multigas	horizontal, internal adjustment
0.100.054	3	0.22	M10x1 L16 s10 ø4 mm	420/3	multigas	horizontal, internal adjustment
0.100.062	3	0.25	M10x1 L16 s10 ø1/4"	420/3	multigas	horizontal, internal adjustment
0.100.065	2	0.30	M10x1 L16 s10 ø1/4"	220/2	multigas	horizontal, internal adjustment
0.100.066	3	0.35	M10x1 L16 s10 ø1/4"	320/2	multigas	horizontal, internal adjustment
0.100.068	1	0.35	M10x1 L16 s10 ø6 mm	120/2	multigas	horizontal, internal adjustment
0.100.077	3	0.25	M10x1 L16 s10 ø6 mm	420/3	multigas	horizontal, internal adjustment
0.100.078	3	0.20	M10x1 L16 s10 ø1/4"	410/3	multigas	horizontal, internal adjustment
0.100.082	3	0.20	M10x1 L16 s10 ø6 mm	410/3	multigas	horizontal, internal adjustment
0.100.088	3	0.24	7/16 ASA L16 s11 ø1/4"	421/3	multigas	horizontal, internal adjustment
0.100.089	1	0.20	M10x1 L16 s10 ø6 mm	111/2	multigas	horizontal, internal adjustment

CODE	Pilot hood N. flames	Injector ø [mm]	Gas connection (1)	Orientation/ N. positions (2)	Gas type (3)	Gas inlet gas adjustment
0.100.091	1	0.35	M10x1 L16 s10 ø4 mm	120/2	multigas	horizontal, internal adjustment
0.100.092	2	0.24	7/16 ASA L16 s11 ø1/4"	220/2	multigas	horizontal, internal adjustment
0.100.093	2	0.24	7/16 ASA L16 s11 ø3/16"	220/2	multigas	horizontal, internal adjustment
0.100.094	3	0.45	M10x1 L16 s10 ø1/4"	410/3	multigas	horizontal, internal adjustment
0.100.098	3	0.24	1/4 ASA L15 s11 ø3/16"	421/3	multigas	horizontal, internal adjustment
0.100.100	3	0.30	M10x1 L16 s10 ø6 mm	410/3	multigas	horizontal, internal adjustment
0.100.102	2	0.30	M10x1 L16 s10 ø6 mm	120/2	multigas	horizontal, internal adjustment
0.100.103	1	0.35	M10x1 L16 s10 ø6 mm	120/2	multigas	horizontal, internal adjustment
0.100.104	3	0.20	M10x1	420/3	multigas	horizontal, internal adjustment
0.190.015	3	0.20	M10x1 L16 s10 ø6 mm	314/2	multigas	horizontal, internal adjustment
0.190.025	1	0.20	M10x1 L16 s10 ø6 mm		multigas	horizontal, internal adjustment
0.190.061	1	0.20	M10x1 L16 s10 ø6 mm		multigas	horizontal, internal adjustment
0.190.083	3	0.35	M10x1 L16 s10 ø4 mm	420/3	multigas	horizontal, internal adjustment
0.190.089	3	0.25	M10x1 L16 s10 ø6 mm	314/2	multigas	horizontal, internal adjustment
0.190.102		0.20	M10x1 L16 s10 ø4 mm	- /E10 (4)	multigas	horizontal, internal adjustment
0.190.104	3	0.35	M10x1 L16 s10 ø6 mm	410/3	multigas	horizontal, internal adjustment
0.190.108	3	0.20	M10x1	423/E8 (4)	multigas	horizontal, internal adjustment
0.190.901	1	0.18	M10x1		multigas	horizontal, internal adjustment
0.190.904	1	0.35	M10x1		multigas	horizontal, internal adjustment
0.190.905		0.35	M10x1		multigas	horizontal, internal adjustment
G1.801.122	1	0.21	M10x1	110/2	multigas	horizontal, internal adjustment
G1.801.124	1	0.40	M10x1	110/2	multigas	horizontal, internal adjustment
G1.801.132	1	0.21	M10x1	414/3	multigas	horizontal, internal adjustment
G1.801.222	2	0.21	M10x1	210/2	multigas	horizontal, internal adjustment
G1.801.224	2	0.40	M10x1	220/2	multigas	horizontal, internal adjustment
G1.801.232	2	0.21	M10x1	413/3	multigas	horizontal, internal adjustment
G1.801.322	3	0.21	M10x1	310/2	multigas	horizontal, internal adjustment
G1.801.325	3	0.35	M10x1	310/2	multigas	horizontal, internal adjustment
G1.801.332	3	0.21	M10x1	410/3	multigas	horizontal, internal adjustment
G1.801.334	3	0.40	M10x1	410/3	multigas	horizontal, internal adjustment
G1.801.339	3	0.35	M10x1	410/3	multigas	horizontal, internal adjustment
G1.802.122	1	0.21	M10x1 L16 s10 ø6 mm	110/2	GPL	verticale, ugello intercambiabile
G1.802.132	1	0.21	M10x1 L16 s10 ø6 mm	414/3	GPL	verticale, ugello intercambiabile
G1.802.222	2	0.21	M10x1 L16 s10 ø6 mm	210/2	GPL	verticale, ugello intercambiabile
G1.802.224	2	0.40	M10x1 L16 s10 ø6 mm	210/2	NG	verticale, ugello intercambiabile
G1.802.322	3	0.21	M10x1 L16 s10 ø6 mm	310/2	GPL	vertical, interchange
G1.802.332	3	0.21	M10x1 L16 s10 ø6 mm	410/3	GPL	verticale, ugello intercambiabile
G1.802.334	3	0.40	M10x1 L16 s10 ø6 mm	410/3	NG	verticale, ugello intercambiabile
G1.803.332	3	0.21	M10x1 L16 s10 ø6 mm	410/3	GPL	horizontal, interchangeable injector

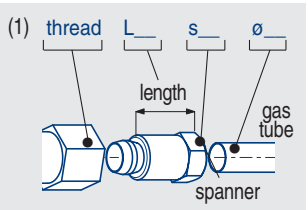
(1)



(2) see pag. 13

(3) multigas: GPL or NG.
GPL: IIIrd family gas.
NG: IInd family gas (natural gas).

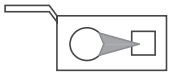
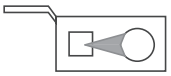
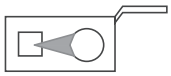
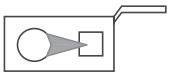
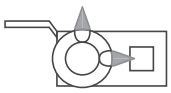
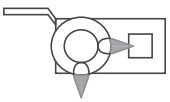
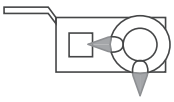
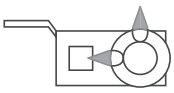
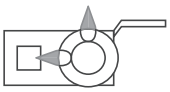
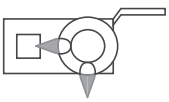
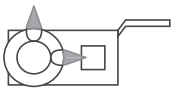
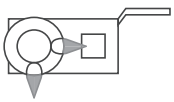
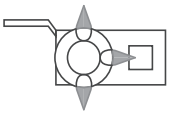
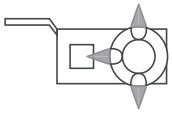
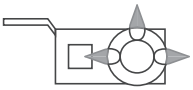
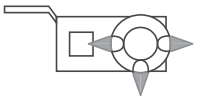
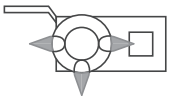
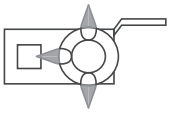
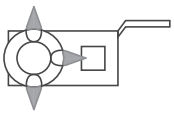
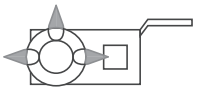
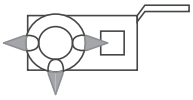
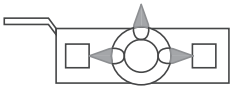
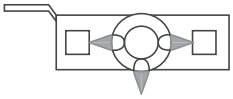
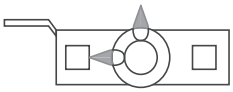
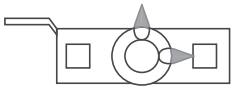
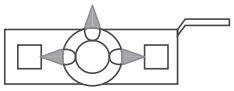
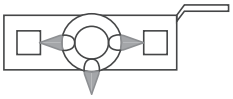
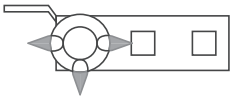
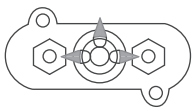
CODE	Pilot hood N. flames	Injector ø [mm]	Gas connection (1)	Orientation/ N. positions (2)	Gas type (3)	Gas inlet gas adjustment
G1.803.334	3	0.40	M10x1	410/3	NG	horizontal, interchangeable injector
G1.807.002	1	0.24	M10x1 L16 s10 ø6 mm	110/2	multigas	horizontal, external adjustment
G1.807.121	1	0.21	M10x1 L16 s10 ø4 mm	110/2	multigas	horizontal, external adjustment
G1.807.122	1	0.24	M10x1	110/2	multigas	horizontal, external adjustment
G1.807.332	3	0.25	M10x1 L16 s10 ø4 mm	410/3	multigas	horizontal, internal adjustment
G1.809.335	3	0.25	M10x1 L16 s10 ø4 mm	420/3	multigas	horizontal, internal adjustment
G1.824.122	1	0.21	M10x1 L16 s10 ø6 mm	110/2	multigas	horizontal, internal adjustment
G1.824.124	1	0.40	M10x1 L16 s10 ø6 mm	110/2	multigas	horizontal, internal adjustment
G1.824.222	2	0.21	M10x1 L16 s10 ø6 mm	210/2	multigas	horizontal, internal adjustment
G1.824.325	3	0.25	M10x1 L16 s10 ø6 mm	310/2	multigas	horizontal, internal adjustment
G1.824.335	3	0.25	M10x1 L16 s10 ø6 mm	410/3	multigas	horizontal, internal adjustment
G1.825.233	2	0.35	M10x1	413/3	NG	horizontal, interchangeable injector
G1.825.332	3	0.21	M10x1	410/3	GPL	horizontal, interchangeable injector
G1.825.333	3	0.35	M10x1	410/3	NG	horizontal, interchangeable injector
G1.825.335	3	0.40	M10x1	410/3	NG	horizontal, interchangeable injector

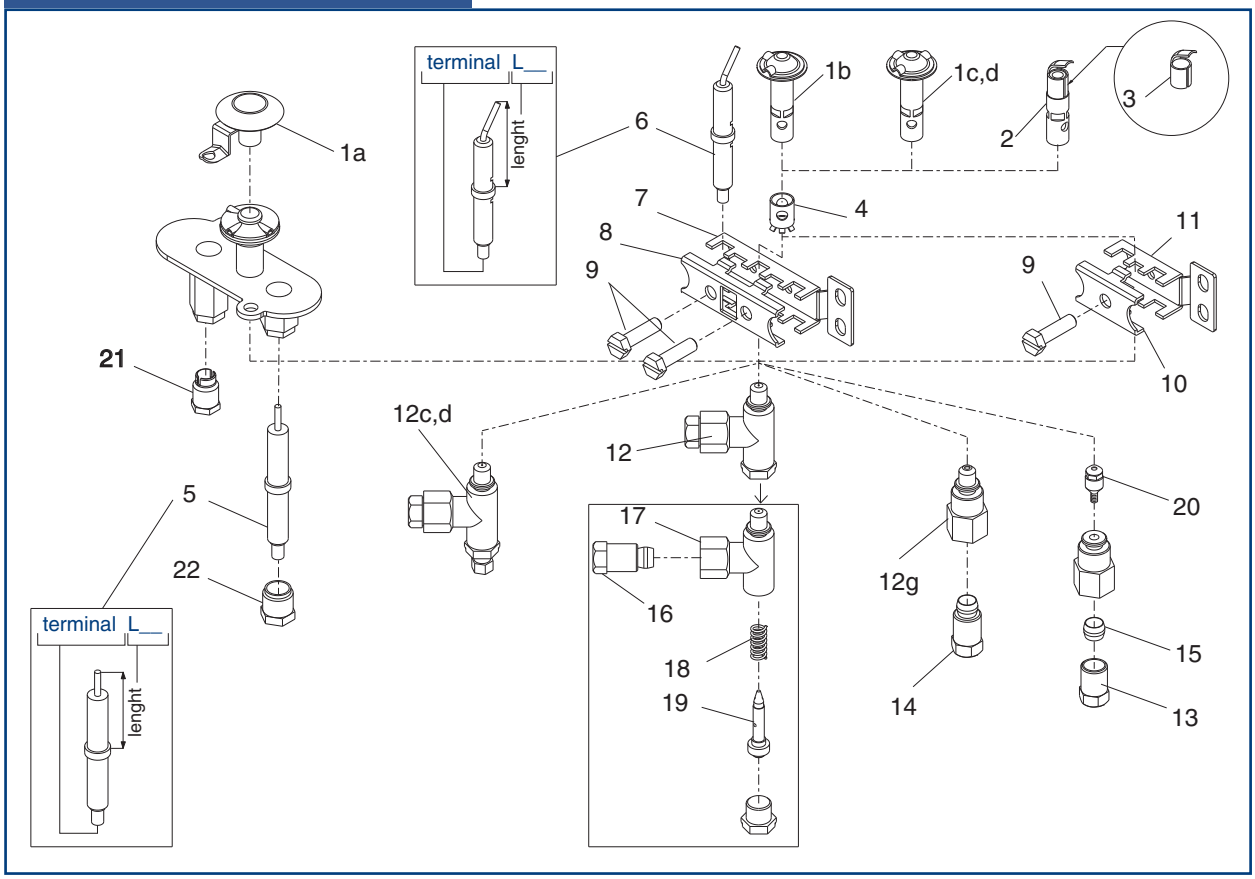


(2) see pag. 13

(3) multigas: GPL or NG.
GPL: IIIrd family gas.
NG: IInd family gas (natural gas).

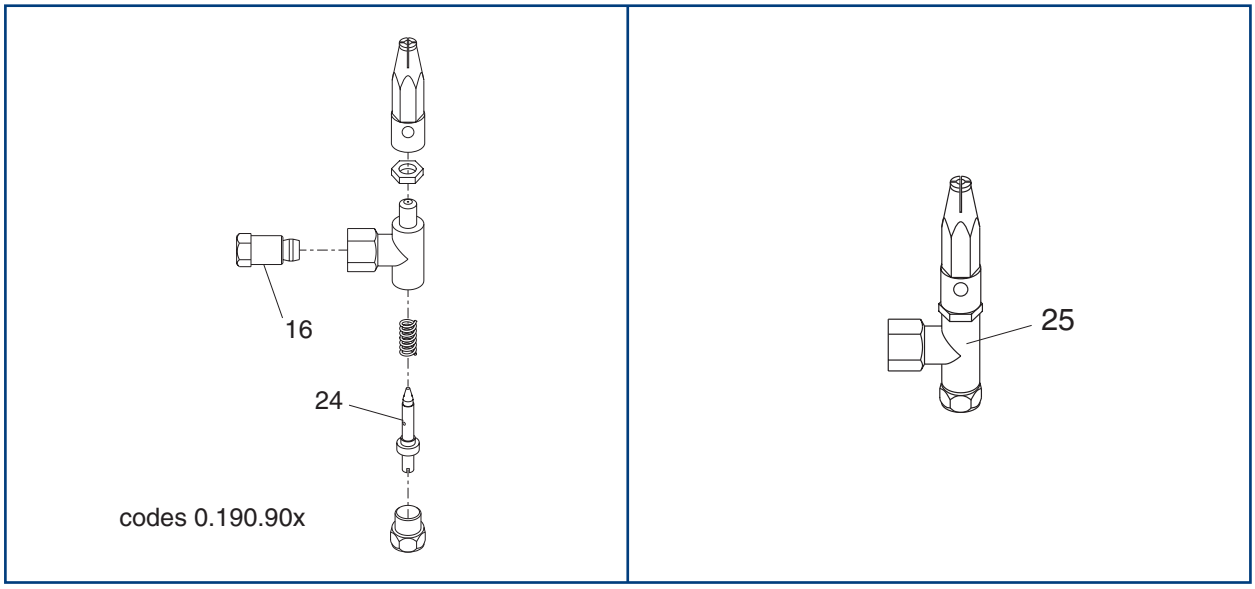
ORIENTATIONS

110 	111 	120 	121 
210 	211 	212 	213 
220 	221 	222 	223 
310 	311 	312 	313 
314 	320 	321 	322 
323 	410 	411 	412 
413 	414	420 	421 
422 	423 		



N.	CODE	Description	Quantity
1a	0.975.054	Three flames pilot head for 0.190.102	100
1b	0.975.004	Three flames pilot head (2 holes ø3.6 mm)	100
1c	0.975.016	Two flames pilot head (2 holes ø3.6 mm)	100
1d	0.975.061	Three flames pilot head (2 holes ø2.5 mm)	100
2	0.975.015	One flame pilot head (2 holes ø3.6 mm)	100
3	0.976.001-G6.053.004	One flame pilot head	100
4	0.912.001	Air shutter	100
5a	0.915.024	Spark electrode straight M4x1 pin L 26.4 mm	100
5b	0.915.025	Spark electrode straight ø2.4 pin L 26.4 mm	100
5c	G6.058.005	Spark electrode straight M4 pin L 29.0 mm	100
6a	0.915.036	Spark electrode bent M4x1 pin L 26.5 mm	100
6b	0.915.037	Spark electrode bent ø2.4 pin L 26.5 mm	100
6c	0.915.040	Spark electrode bent special M4x1 pin L 23.6 mm	100
6d	0.915.044	Spark electrode bent special M4x1 pin L 23.2 mm	100
6e	0.915.055	Spark electrode bent special M4x1 pin L 25.0 mm	100
6f	G6.058.011	Spark electrode bent square M4x0.7 pin L 26.0 mm	100
7	0.978.003-G6.055.002	Clamp and bracket (3 positions bracket)	100
8	0.978.004-G6.056.002	Clamp and bracket (3 positions clamp)	100
9	0.953.007-G6.031.005	Clamp screw UNI 5739 TE3 (3/16"x18 mm) for bracket	100
10	0.978.009-G6.056.001	Clamp and bracket (2 positions clamp)	100
11	0.978.021-G6.055.001	Clamp and bracket (2 positions bracket)	100
12a	0.901.067	Body with ø0.20 mm injector and ø6 mm pilot tube shear-off	100
12b	0.901.278	Body with ø0.30 mm injector and ø4 mm pilot tube shear-off	100
12c	G2.001.004	Body with ø0.24 mm injector external adjustment and ø6 mm pilot tube shear-off	100
12d	G3.001.021	Body with ø0.21 mm injector ext. adjust. and ø4/ø6 mm tube without pilot tube shear-off	100
12e	0.901.401	Body with ø0.20 mm injector for 0.190.108	100
12f	G4.001.012	Body with ø0.21 mm injector and ø4/ø6 mm tube without pilot tube shear-off	100

N.	CODE	Description	Quantity
12g	0.901.502	Body with ø0.35 mm injector	100
13a	G6.032.006	Nut for ø6 mm (M10x1 L12.5 s10)	100
13b	G6.032.049/A	Nut for ø4 mm (M10x1 L11 s10)	100
13c	G6.032.094	Nut for ø3/16" (M10x1 L11 s10)	100
14-16	0.958.030-G6.032.080	ø4 mm pilot tube shear-off (M10x1 L16 s10)	100
14-16	0.958.031-G6.032.072	ø6 mm pilot tube shear-off (M10x1 L16 s10)	100
14-16	0.958.032	ø1/4" pilot tube shear-off (M10x1 L16 s10)	100
14-16	G6.032.071	ø1/4" pilot tube shear-off (M10x1 L12 s10)	100
15a	G6.033.009	ø4 mm olive	100
15b	G6.033.012	ø3/16" olive	100
17a	0.901.210	Body with ø0.25 mm injector	100
17b	0.901.401	Body with ø0.20 mm injector	100
17c	0.901.404	Body with ø0.35 mm injector	100
17d	0.901.405	Body with ø0.40 mm injector	100
18	0.900.047	Spring for pilot body 0.100	100
19a	0.977.028	ø0.20 mm injector assembly	100
19b	0.977.029	ø0.30 mm injector assembly	100
19c	0.977.030	ø0.20 mm injector assembly	100
19d	0.977.031-G5.057.022	ø0.35 mm injector assembly	100
19e	0.977.032-G5.057.006	ø0.40 mm injector assembly	100
19f	0.977.033	ø0.45 mm injector assembly	100
19g	0.977.051-G5.057.025	ø0.25 mm injector assembly	100
19h	G5.057.007	ø0.21 mm injector assembly	100
20a	G6.057.035	ø0.35 mm monogas interchangeable injector	100
20b	G6.057.036	ø0.21 mm monogas interchangeable injector	100
21	0.974.036	TC fixing nut (M10x1 L15 s10)	100
22	0.974.037	Spark electrode fixing nut (M10x1 L11 s10)	100



N.	CODE	Description	Quantity
16	0.958.031	ø6 mm pilot tube shear-off (M10x1 L16 s10)	100
24a	0.977.151	ø0.20 mm injector special for 0.190.90x	100
24b	0.977.163	ø0.30 mm injector special for 0.190.90x	100
25a	G3.001.024	Body with ø0.35 mm injector and ø4/ø6 mm pilot tube shear-off with pilot hood	100
25b	G3.001.031	Body with ø0.21 mm injector and ø4/ø6 mm pilot tube shear-off with pilot hood	100

PILOT 140 SERIES

CHARACTERISTICS

- various types of brackets
- 1 or 2 flame hoods
- with or without spark electrode
- 2 different height levels of the beam flame
- 4 mm, 6 mm and 1/4" pilot tube shear-off.

The energy consumption is approximately 115 W.

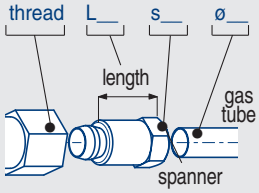
CODE	Pilot hood N. flames	Bracket [1] - TC sleeve [2]	Spark electrode [3]	Injector mark	Gas connection [4]	TC connection [4]	Gas type [5]
0.140.001	1	B7 - target			M10x1	M10x1 L15 s10	
0.140.005	2	B5 - target	2b	27	M10x1 L10.5 s10 ø4 mm	M10x1 L15 s10	NG
0.140.011	2	B5 - target			M10x1	M10x1 L15 s10	
0.140.015	2	B6 - unified			M10x1	M10x1 L15 s10	
0.140.017	1	B39 - target			M10x1	M10x1	
0.140.018	1	B9 - unified			M10x1	M10x1 L15 s10	
0.140.019	1	B1 - target			M10x1	M10x1	
0.140.020	2	B1 - target			M10x1	M10x1	
0.140.021	1	B4 - target			M10x1	M10x1	
0.140.022	2	B4 - target			M10x1	M10x1	
0.140.023	1	B16 - unified			M10x1	M10x1	
0.140.024	2	B13 - target	2b		M10x1	M10x1 L15 s10	
0.140.026	1	B22 - target			M10x1	M10x1	
0.140.027	2	B13 - target			M10x1	M10x1	
0.140.028	1	B17 - unified			M10x1	M10x1 L15 s10	
0.140.029	2	B22 - target			M10x1	M10x1	
0.140.031	2	B6 - unified	2c	37	M10x1 L10.5 s10 ø4 mm	M10x1 L15 s10	NG
0.140.032	1	B1 - target	2b		M10x1 L10.5 s10 ø1/4"	M10x1 L15 s10	
0.140.034	2	B39 - target					
0.140.035	2	B6 - unified	2c	20	M10x1 L10.5 s10 ø4 mm	M10x1 L15 s10	GPL
0.140.037	2	B6 - unified	2c	32	M10x1 L10.5 s10 ø4 mm	M10x1 L15 s10	NG

(1) see pag. 47 to pag. 49

(2) see pag. 55

(3) see Accessories pag. 17

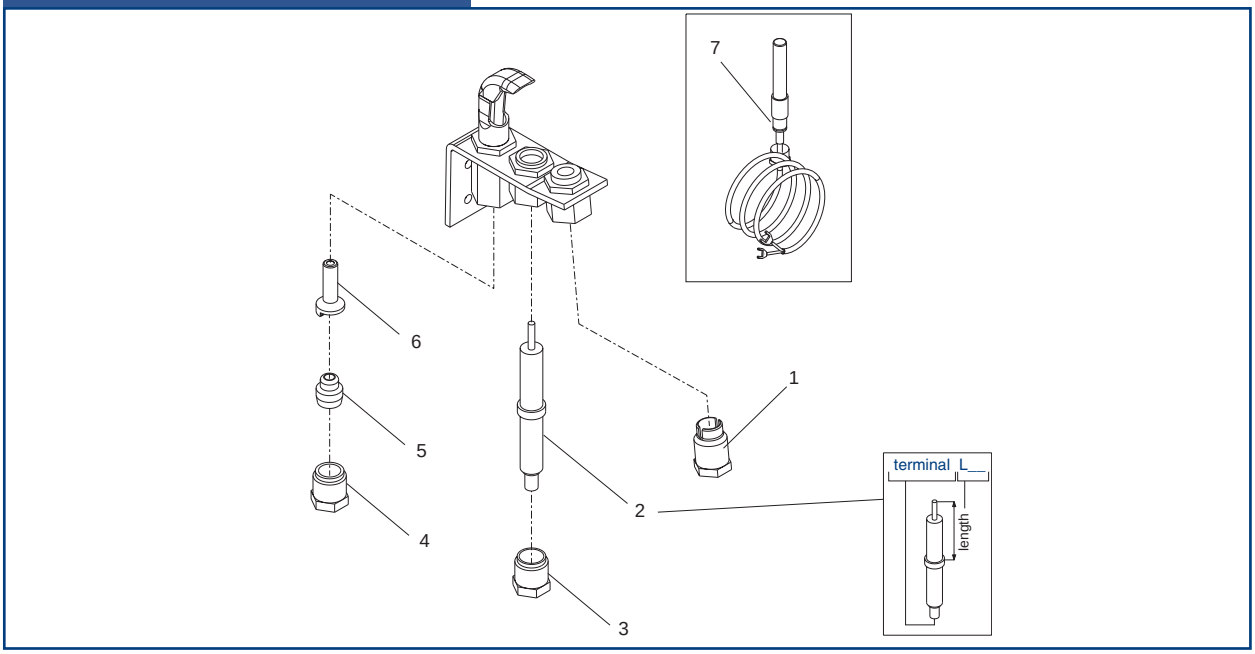
(4)



(5) GPL: III[rd] family gas.
NG: II[nd] family gas (natural gas).

CODE	Pilot hood N. flames	Bracket [1] - TC sleeve [2]	Spark electrode [3]	Injector mark	Gas connection [4]	TC connection [4]	Gas type [5]
0.140.039	1	B13 - target			M10x1		
0.140.058	2	B39 - target	2c	32	M10x1	M10x1	
0.140.102	1	B21 - A14			M10x1		
0.140.104	1	B24 - unified			M10x1	M10x1	

ACCESSORIES



N.	CODE	Description	Quantity
1	0.974.036	TC fixing nut (M10x1 L15 s10)	100
2a	0.915.009	Spark electrode straight M4x1 pin L 27.7 mm	100
2b	0.915.024	Spark electrode straight M4x1 pin L 26.4 mm	100
2c	0.915.025	Spark electrode straight ø2.4 pin L 26.4 mm	100
3	0.974.037	Spark electrode fixing nut (M10x1 L11 s10)	100
4a	0.958.011	Nut for ø6 mm (M10x1 L10.5 s10)	100
4b	0.958.013	Nut for ø4 mm (M10x1 L10.5 s10)	100
4c	0.958.018	Nut for ø1/4" (M10x1 L10.5 s10)	100
4d	0.958.046	Nut for ø4 mm (M10x1 L10.5 s10)	100
4e	0.958.047	Nut for ø6 mm (M10x1 L11 s10)	100
5a	0.957.009	ø4 mm olive (target)	100
5b	0.957.010	ø6 mm olive (target)	100
5c	0.957.011	ø1/4" olive	100
6a	0.977.099	ø0.60/ø0.40 mm NG injector target marked 32	100
6b	0.977.113	ø0.40/ø0.38 mm NG injector target marked 27	100
6c	0.977.114	ø0.50 mm town injector target marked 50	100
6d	0.977.115	ø0.18/ø0.20 mm GPL injector target marked 14	100
6e	0.977.132	ø0.60/ø0.55 mm NG injector target marked 37	100
6f	0.977.147	ø0.60/ø0.38 mm GPL injector marked 29	100
6g	0.977.150	ø0.28 mm GPL injector target marked 23	100
7	0.940.002	Millivoltage generator [2]	100
n.d.	0.948.058	Gasket for pilot body (dim. 68x24 mm)	100
n.d.	0.948.060	Gasket for pilot body (dim. 71x26 mm)	100

[6] see THERMOPILE at page 55

PILOT 145 SERIES

CHARACTERISTICS

- various types of brackets
- dual-flame pilot hood available for both orientations (left and right hand flame)
- with or without spark electrode
- 2 different height levels of the pilot flame
- 4 mm, 6 mm and 1/4" pilot tube shear-off.

The energy consumption is approximately 150 W.

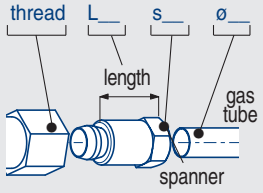
CODE	Orientation	Bracket [1] - TC sleeve [2]	Spark electrode [3]	Injector mark	Gas connection [4]	TC connection [4]	Gas type [5]
0.145.001	DX	B33 - target			M10x1	M10x1	
0.145.002	SX	B33 - target			M10x1	M10x1	
0.145.003	SX	B34 - target	2b	37	M10x1 L10.5 s10 ø1/4"	M10x1 L15 s10	NG
0.145.004	SX	B34 - target	2b	23	M10x1 L10.5 s10 ø1/4"	M10x1 L15 s10	GPL
0.145.006	SX	B35 - target	2b	23	M10x1 L10.5 s10 ø1/4"	M10x1	GPL
0.145.007	SX	B34 - target			M10x1	M10x1 L15 s10	
0.145.010	DX	B34 - target			M10x1	M10x1 L15 s10	
0.145.019	DX	B38 - target			M10x1	M10x1	
0.145.024	SX	B37 - target			M10x1	M10x1	
0.145.026	SX	B39 - target			M10x1	M10x1 L15 s10	
0.145.027	DX	B33 - target	2a		M10x1 L10.5 s10 ø4 mm	M10x1 L15 s10	
0.145.028	SX	B33 - target	2a		M10x1 L10.5 s10 ø1/4"	M10x1 L15 s10	
0.145.030	DX	B33 - target	2b	37	M10x1	M10x1 L15 s10	NG

(1) see pag. 47 to pag. 49

(2) see pag. 55

(3) see Accessories pag. 20

(4)

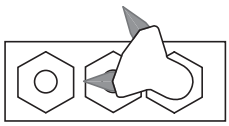


(5) GPL: III[rd] family gas.
NG: II[nd] family gas (natural gas).

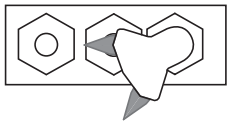
CODE	Orientation	Bracket [1] - TC sleeve [2]	Spark electrode [3]	Injector mark	Gas connection [4]	TC connection [4]	Gas type [5]
0.145.033	SX	B4 - target			M10x1	M10x1	
0.145.503	SX	B40	2b	37	M10x1 L10.5 s10 ø1/4”		NG
0.145.504	SX	B40	2b	23	M10x1 L10.5 s10 ø1/4”		GPL

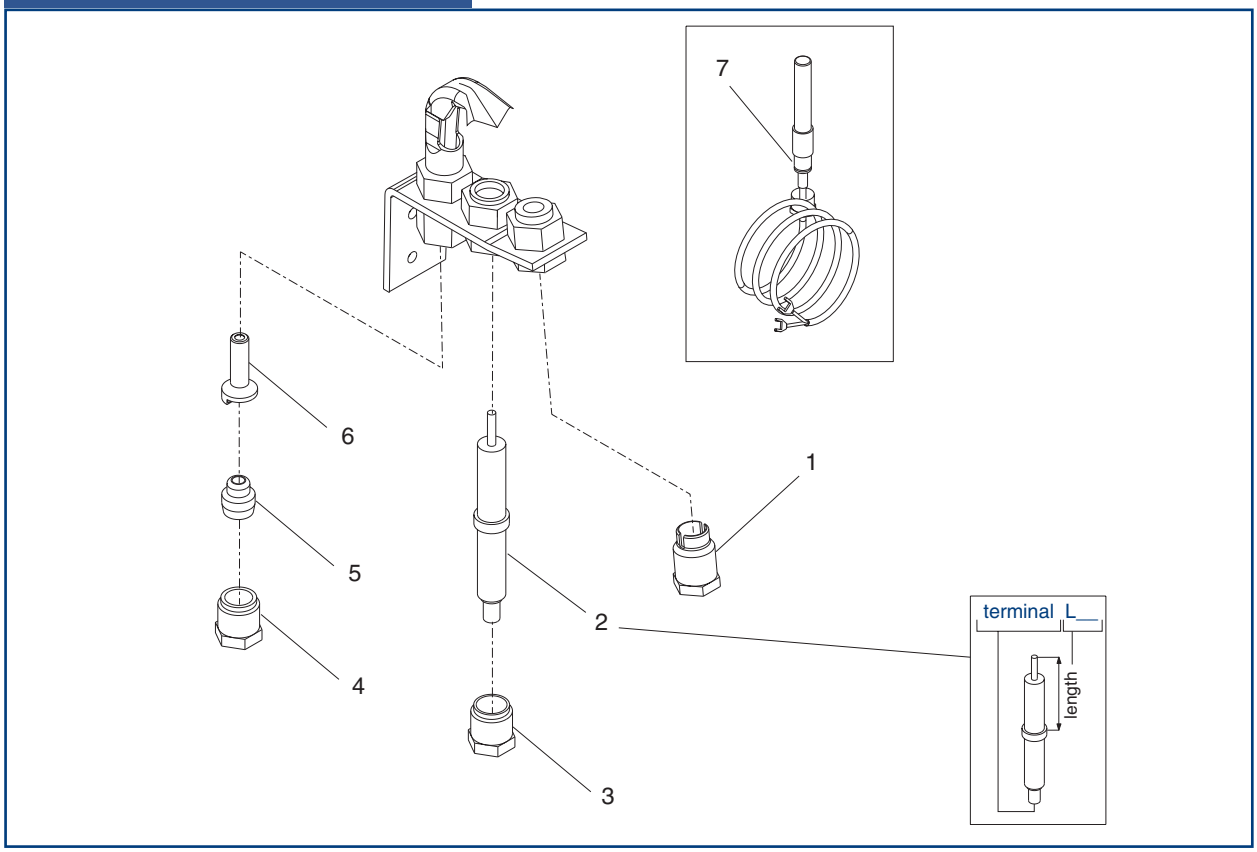
ORIENTATIONS

DX



SX





N.	CODE	Description	Quantity
1	0.974.036	TC fixing nut (M10x1 L15 s10)	100
2a	0.915.024	Spark electrode straight M4x1 pin L 26.4 mm	100
2b	0.915.025	Spark electrode straight ø2.4 pin L 26.4 mm	100
3	0.974.037	Spark electrode fixing nut (M10x1 L11 s10)	100
4a	0.958.011	Nut for ø6 mm (M10x1 L10.5 s10)	100
4b	0.958.013	Nut for ø4 mm (M10x1 L10.5 s10)	100
4c	0.958.018	Nut for ø1/4" (M10x1 L10.5 s10)	100
4d	0.958.046	Nut for ø4 mm (M10x1 L10.5 s10)	100
4e	0.958.047	Nut for ø6 mm (M10x1 L11 s10)	100
5a	0.957.000	ø4 mm olive (target)	100
5b	0.957.010	ø6 mm olive (target)	100
5c	0.957.011	ø1/4" olive	100
6a	0.977.146	ø0.64/ø0.60 mm town injector target marked 42	100
6b	0.977.113	ø0.40/ø0.38 mm NG injector target marked 27	100
6c	0.977.144	ø0.60/ø0.40 mm NG injector target marked 30	100
6d	0.977.132	ø0.60/ø0.55 mm NG injector target marked 37	100
6e	0.977.141	ø0.60 mm town injector target marked 60	100
6f	0.977.098	ø0.60/ø0.60 mm NG injector target marked 35	100
6g	0.977.145	ø0.30/ø0.18 mm GPL injector alum. target marked 15	100
6h	0.977.105	ø0.28 mm GPL injector alum. target marked 23	100
6i	0.977.149	ø0.30/ø0.18 mm GPL injector steel target marked 15	100
6l	0.977.150	ø0.28 mm GPL injector steel target marked 23	100
7	0.940.002	Millivoltage generator (1)	100

(6) see THERMOPILE at page 55

PILOT 150 SERIES

CHARACTERISTICS

- 1 or 2 flame hoods
- with or without spark electrode
- 2 different height levels of the pilot flame
- 4 mm, 6 mm and 1/4" pilot tube shear-off.

The energy consumption is approximately 210 W.

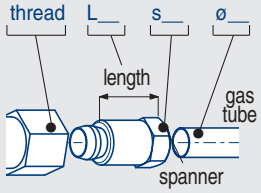
CODE	Pilot hood N. flames	Bracket (1) - TC sleeve (2)	Spark electrode (3)	Injector mark	Gas connection (4)	TC connection (4)	Gas type (5)
0.150.043	2	B31 - target			M10x1	M10x1 L15 s10	
0.150.045	2	B10 - target	3b		M10x1	M10x1 L15 s10	
0.150.055	1	B20 - target		36	M10x1 L10.5 s10 ø6 mm	M10x1 L15 s10	NG
0.150.064	1	B31 - target			M10x1	M10x1 L15 s10	
0.150.073	1	B51 - unified		37	M10x1 L10.5 s10 ø6 mm	M10x1 L15 s10	NG
0.150.077	2	B30 - target			M10x1	M10x1 L15 s10	
0.150.084	2	B31 - target			M10x1	M10x1	
0.150.085	2	B10 - target			M10x1	M10x1	
0.150.086	1	B20 - target			M10x1	M10x1	
0.150.087	2	B20 - target			M10x1	M10x1	
0.150.091	1	B10 - target	3b	40	M10x1 L10.5 s10 ø1/4"	M10x1 L15 s10	NG
0.150.200	2	B10 - target	3a		M10x1	M10x1 L15 s10	
0.158.006	1	B10 - target			M10x1	M10x1 L15 s10	

(1) see pag. 47 to pag. 49

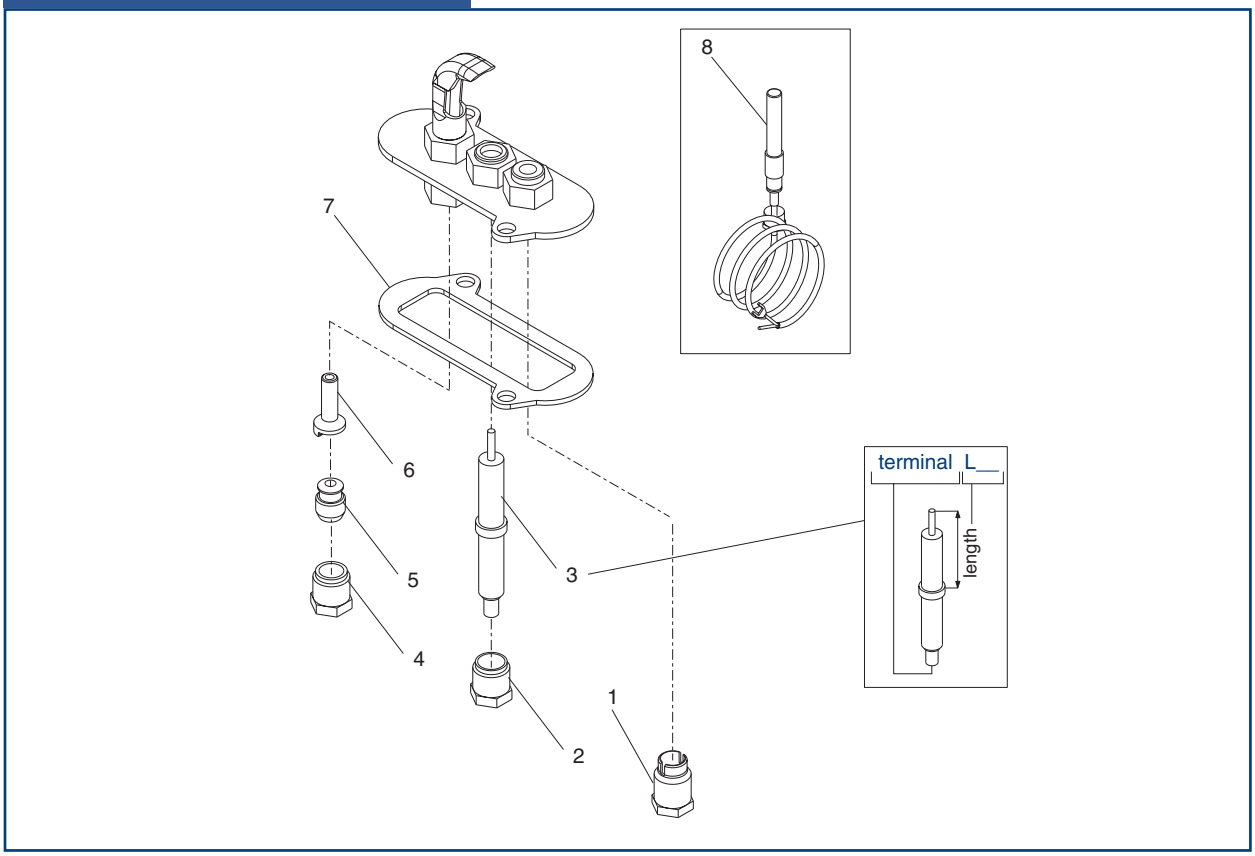
(2) see pag. 55

(3) see Accessories pag. 23

(4)



(5) NG: II[nd] family gas (natural gas).



N.	CODE	Description	Quantity
1	0.974.036	TC fixing nut (M10x1 L15 s10)	100
2	0.974.037	Spark electrode fixing nut (M10x1 L11 s10)	100
3a	0.915.009	Spark electrode straight M4x1 pin L 27.7 mm	100
3b	0.915.024	Spark electrode straight M4x1 pin L 26.4 mm	100
3c	0.915.025	Spark electrode straight ø2.4 pin L 26.4 mm	100
4a	0.958.011	Nut for ø6 mm (M10x1 L10.5 s10)	100
4b	0.958.013	Nut for ø4 mm (M10x1 L10.5 s10)	100
4c	0.958.018	Nut for ø1/4" (M10x1 L10.5 s10)	100
4d	0.958.046	Nut for ø4 mm (M10x1 L10.5 s10)	100
4e	0.958.047	Nut for ø6 mm (M10x1 L11 s10)	100
5a	0.957.009	ø4 mm olive (target)	100
5b	0.957.010	ø6 mm olive (target)	100
5c	0.957.011	ø1/4" olive	100
6a	0.977.046	ø0.24/ø0.24 mm GPL injector marked 21	100
6b	0.977.047	ø0.45 mm NG injector marked 38	100
6c	0.977.091	ø0.60/ø0.55 mm NG injector target marked 36	100
6d	0.977.092	ø0.23/ø0.26 mm GPL injector target marked 19	100
6e	0.977.098	ø0.60/ø0.60 mm NG injector target marked 35	100
6f	0.977.103	ø0.60/ø0.55 mm NG injector target marked 34	100
6g	0.977.105	ø0.28 mm GPL injector alum. target marked 23	100
6h	0.977.106	ø0.35 mm GPL injector marked 20	100
6i	0.977.132	ø0.60/ø0.55 mm NG injector target marked 37	100
6l	0.977.134	ø0.23/ø0.26 mm GPL injector target marked 24	100
6m	0.977.142	ø0.40/ø0.58 mm NG injector marked 33	100
6n	0.977.148	ø0.23/ø0.26 mm GPL injector marked 19	100
7a	0.948.050	Gasket target for pilot body (dim. 47x31 mm)	100
7b	0.948.060	Gasket target for pilot body (dim. 71x26 mm)	100
8	0.940.002	Millivoltage generator [2]	100

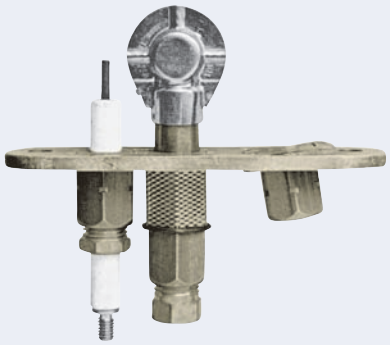
[2] see THERMOPILE at page 55

PILOT 160 SERIES

CHARACTERISTICS

- various types of brackets
- internal or external air-intake to the combustion chamber
- 1-2-3 flame hoods on vertical or horizontal plane
- with or without spark electrode
- vertical or inclined thermocouple
- 4 mm, 6 mm e 1/4" pilot tube shear-off
- primary air filter.

The energy consumption is approximately 230 W.

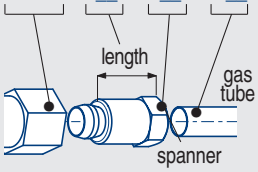


CODE	Pilot hood N. flames	Orientation	Bracket (1) - TC sleeve (2)	Injector mark	Gas connection (3)	TC connection (3)	Gas type (4)	Spark electr. (5)
0.160.002	1	120	C1 - unified		M10x1	M10x1 L15 s10		
0.160.005	3	vertical	C3 - unified	51	M10x1 L10.5 s10 ø6 mm	M10x1 L15 s10	NG	
0.160.012	2	220	C1 - unified		M10x1	M10x1 L15 s10		
0.160.022	2	221	C1 - unified		M10x1	M10x1 L15 s10		
0.160.032	3	320	C1 - unified		M10x1	M10x1 L15 s10		
0.160.042	3	vertical	C1 - unified		M10x1	M10x1 L15 s10		
0.160.046	2	220	C4 - unified		M10x1	M10x1 L15 s10		
0.160.055	2	221	C4 - unified		M10x1	M10x1 L15 s10		
0.160.059	2	220	C1 - unified	41	M10x1 L10.5 s10 ø6 mm	M10x1 L15 s10	NG	7d
0.160.074	3	vertical	C1 - unified	51	M10x1 L10.5 s10 ø4 mm	M10x1 L15 s10	NG	7a
0.160.101	2	vertical	C8 - unified	41	M10x1 L10.5 s10 ø6 mm	M10x1 L15 s10	NG	
0.160.103	2	vertical	C7 - unified		M10x1	M10x1 L15 s10		
0.160.105	2	vertical	C9 - target	41	M10x1 L10.5 s10 ø6 mm	M10x1 L15 s10	NG	

(1) see pag. 50

(2) see pag. 55

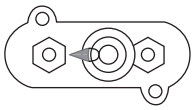
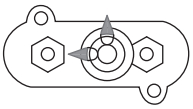
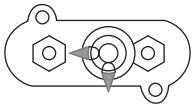
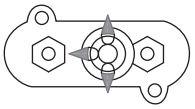
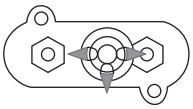
(3) thread L__ s__ ø__



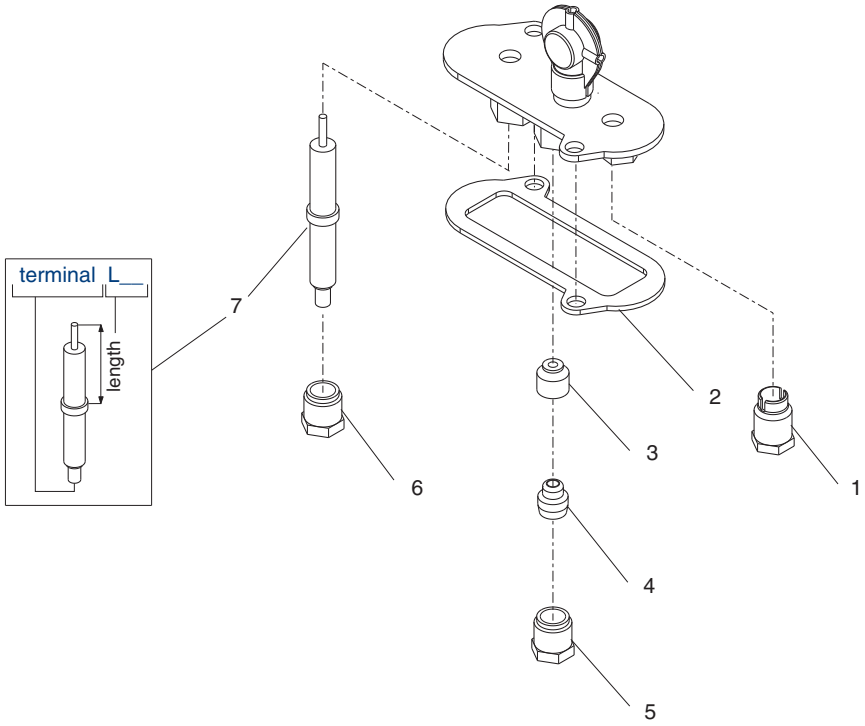
(4) NG: IInd family gas (natural gas).

(5) see Accessories pag. 25

ORIENTATIONS

120	220	221	320	321
				

ACCESSORIES



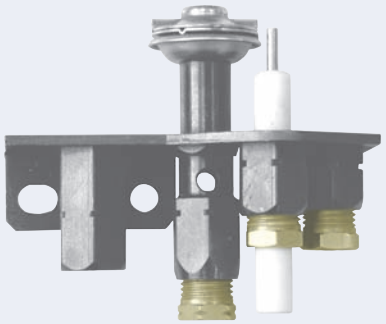
N.	CODE	Description	Quantity
1	0.974.036	TC fixing nut (M10x1 L15 s10)	100
2	0.948.060	Gasket target for pilot body (dim. 71x26 mm)	100
3a	0.977.118	ø0.41 mm NG injector marked 41	100
3b	0.977.119	ø0.51 mm NG injector marked 51	100
3c	0.977.122	ø0.30 mm GPL injector marked 30	100
3d	0.977.123	ø0.25 mm GPL injector marked 25	100
3e	0.977.125	ø0.35 mm GPL injector marked 35	100
3f	0.977.156	ø0.20 mm GPL injector marked 20	100
4a	0.957.014	ø4 mm olive	100
4b	0.957.015	ø6 mm olive	100
5a	0.958.011	Nut for ø6 mm (M10x1 L10.5 s10)	100
5b	0.958.013	Nut for ø4 mm (M10x1 L10.5 s10)	100
6	0.974.037	Spark electrode fixing nut (M10x1 L11 s10)	100
7a	0.915.015	Spark electrode straight M4x1 pin L 35 mm	100
7b	0.915.024	Spark electrode straight M4x1 pin L 26.4 mm	100
7c	0.915.025	Spark electrode straight ø2.4 pin L 26.4 mm	100
7d	0.915.035	Spark electrode straight ø2.4 pin L 35 mm	100
7e	0.915.048	Spark electrode straight M4x1 pin L 34 mm	100
7f	0.915.050	Spark electrode straight M4x1 pin L 32.4 mm	100

PILOT 190 SERIES

CHARACTERISTICS

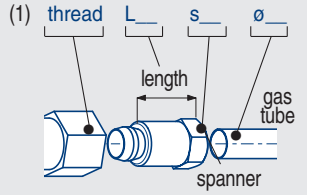
- various types of brackets
- internal or external air-intake to the combustion chamber
- 3 flame hoods with different orientations
- removable pilot hood for Top Convertible version
- with or without spark electrode
- 1/4" pilot tube shear-off.

The energy consumption is approximately 210 W.



CODE	Pilot hood N. flames	Injector mark	Gas connection (1)	Orientation	Bracket (2)- TC sleeve (3)	TC connection (1)	Gas type (4)	Spark electr. (5)	Top Convertible
0.190.603	3		M10x1	321	E4 - target	M10x1			
0.190.607	3	30	M10x1 L10.5 s10 ø1/4"	321	E9 - target	M10x1 L15 s10	GPL	7c	
0.190.613	3		M10x1	322	E9 - target	M10x1 L15 s10			●
0.190.652			M10x1	323	E17 - target	M10x1			●
0.190.653			M10x1	321	E16 - target	M10x1			●
0.190.654			M10x1	323	E15 - target	M10x1			●
0.190.655			M10x1	321	E18 - target	M10x1			●
0.190.656			M10x1	321	E20 - target	M10x1			●
0.190.657			M10x1	323	E21 - target	M10x1			●

(1)



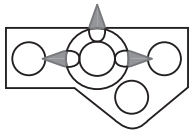
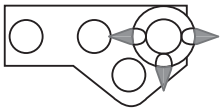
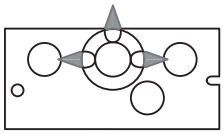
(2) see pag. 51

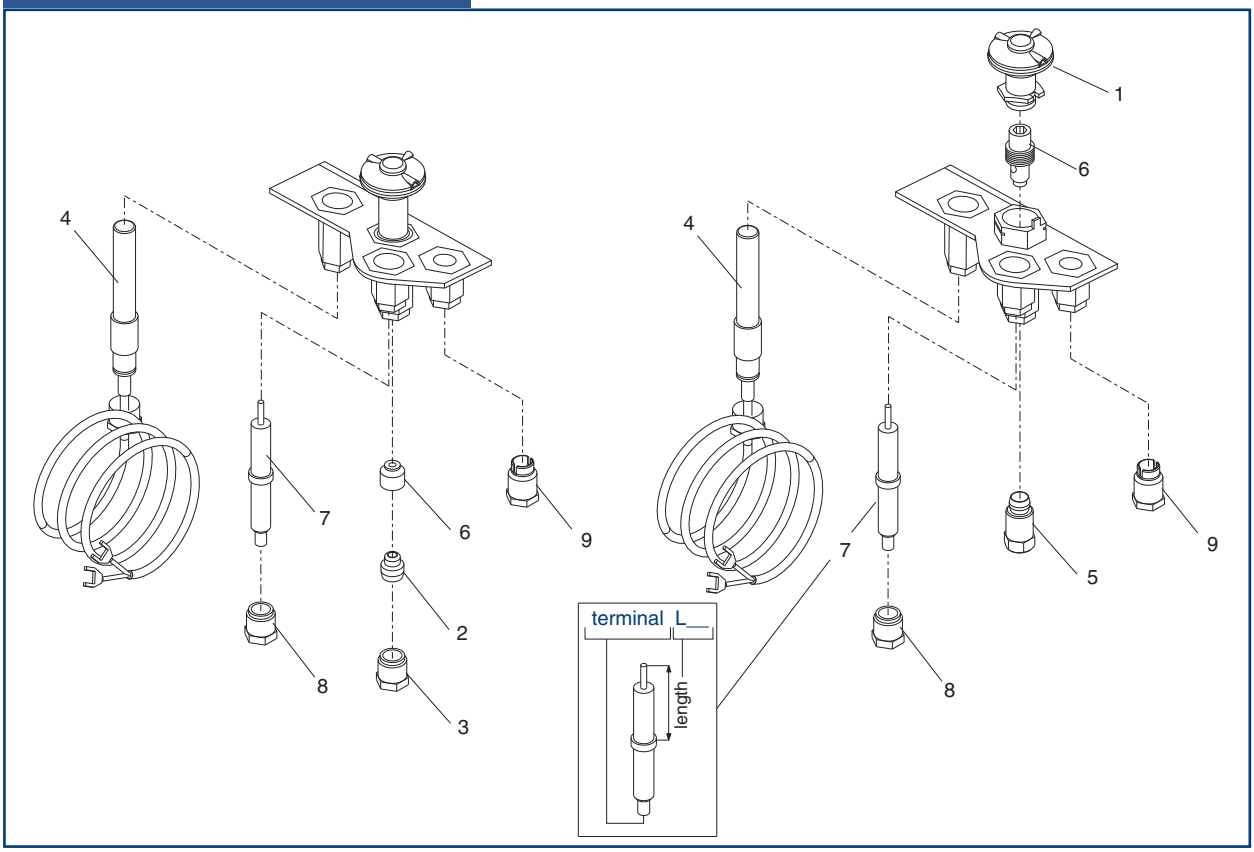
(3) see pag. 55

(4) GPL: III[rd] family gas.
NG: II[nd] family gas (natural gas).

(5) see Accessories pag. 28

ORIENTATIONS

321	322	323
		



N.	CODE	Description	Quantity
1	0.975.063	Three flames pilot head for Top Convertible	100
2a	0.957.014	ø4 mm olive for 0.190.603/607/613	100
2b	0.957.015	ø6 mm olive for 0.190.603/607/613	100
2c	0.957.016	ø1/4” olive for 0.190.603/607/613	100
3a	0.958.011	Nut for ø6 mm (M10x1 L10.5 s10) for 0.190.603/607/613	100
3b	0.958.013	Nut for ø4 mm (M10x1 L10.5 s10) for 0.190.603/607/613	100
3c	0.958.018	Nut for ø1/4" (M10x1 L10.5 s10) for 0.190.603/607/613	100
4	0.940.002	Millivoltage generator (1)	100
5a	0.958.030	ø4 mm pilot tube shear-off (M10x1 L16 s10) for Top Convertible	100
5b	0.958.031	ø6 mm pilot tube shear-off (M10x1 L16 s10) for Top Convertible	100
5c	0.958.032	ø1/4" pilot tube shear-off (M10x1 L16 s10) for Top Convertible	100
6a	0.977.118	ø0.41 mm NG injector marked 41 for 0.190.603/607/613	100
6b	0.977.119	ø0.51 mm NG injector marked 51 for 0.190.603/607/613	100
6c	0.977.122	ø0.30 mm GPL injector marked 30 for 0.190.603/607/613	100
6d	0.977.123	ø0.25 mm GPL injector marked 25 for 0.190.603/607/613	100
6e	0.977.125	ø0.35 mm GPL injector marked 35 for 0.190.603/607/613	100
6f	0.977.156	ø0.20 mm GPL injector marked 20 for 0.190.603/607/613	100
6g	0.977.157	ø0.30 mm GPL injector steel marked 30 for 0.190.603/607/613	100
6h	0.977.158	ø0.35 mm GPL injector steel marked 35 for 0.190.603/607/613	100
6i	0.977.159	ø0.51 mm NG injector steel marked 51 for 0.190.603/607/613	100
6l	0.977.160	NG injector steel marked 62 for 0.190.603/607/613	100
6m	0.977.165	ø0.55/ø0.35 mm injector marked 51 NG for Top Convertible	100
6n	0.977.167	ø0.30 mm injector marked 30 GPL for Top Convertible	100
7a	0.915.015	Spark electrode straight M4x1 pin L 35 mm	100
7b	0.915.024	Spark electrode straight M4x1 pin L 26.4 mm	100
7c	0.915.025	Spark electrode straight ø2.4 pin L 26.4 mm	100
7d	0.915.035	Spark electrode straight ø2.4 pin L 35 mm	100

N.	CODE	Description	Quantity
8a	0.974.037	Spark electrode fixing nut (M10x1 L11 s10)	100
8b	0.974.144	Spark electrode fixing nut (M10x1 L13 s10) for Top Convertible	100
9	0.974.036	TC fixing nut (M10x1 L15 s10)	100

(6) see THERMOPILE at page 55

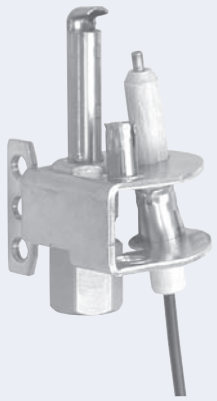
PRIME AIR SERIES

CHARACTERISTICS

They can be supplied in various versions:

- 1/4" and 1/8" pilot tube shear-off
- with or without spark electrode.

The energy consumption is approximately 150 W.

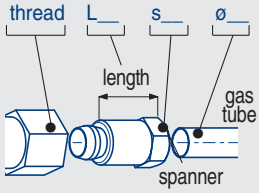


CODE	Bracket [1] - TC sleeve [2]	Injector mark	Gas connection [3]	Gas type [4]	Spark electrode [5]
0159755	E11 - A0	21	7/16" L13 s1/2" ø1/8"	GPL	-
0159758	E11 - A0	24	7/16" L13 s1/2" ø1/8"	NG	1b

(1) see pag. 52

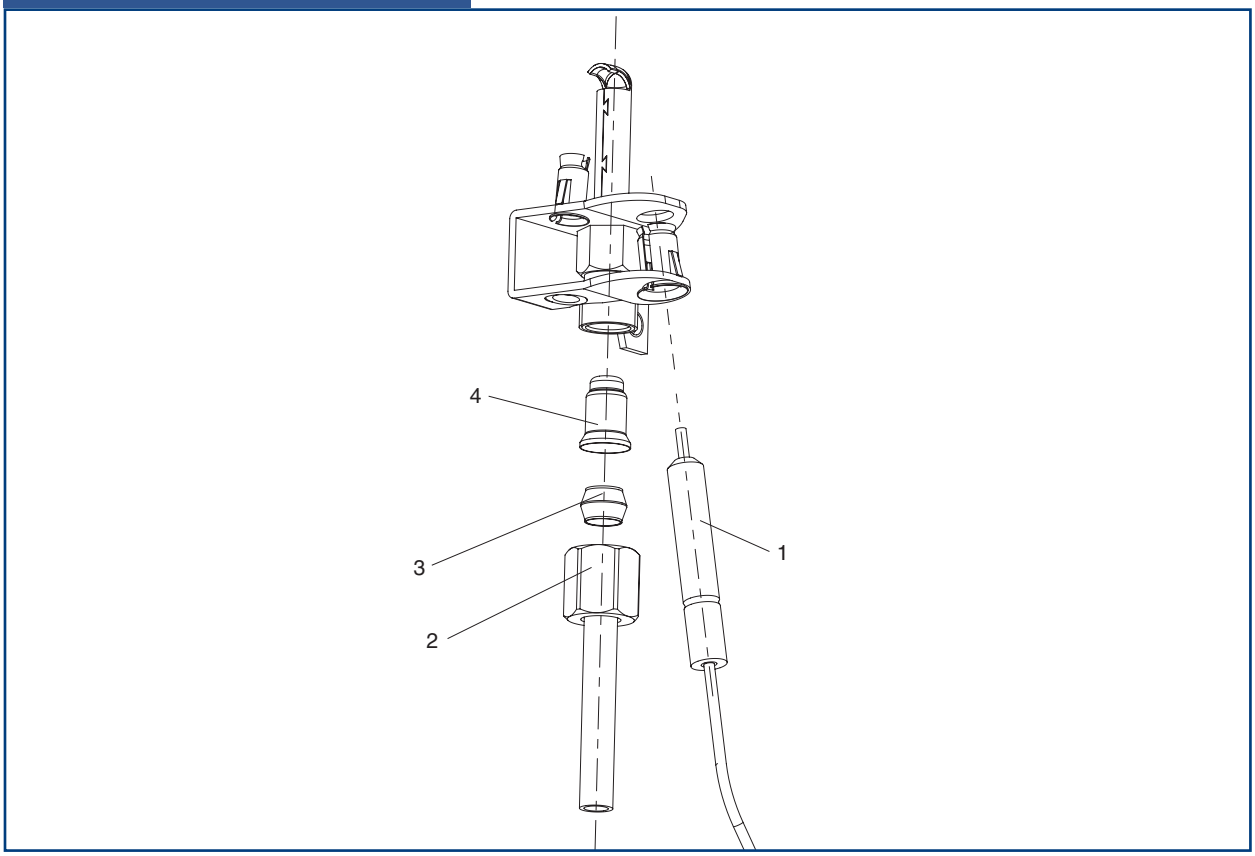
(2) see pag. 55

(4) GPL: IIIrd family gas.
NG: IInd family gas (natural gas).

(2) 

(5) see Accessories pag. 31

ACCESSORIES



N.	CODE	Description	Quantity
1a	0.915.082	Spark electrode with lead L18" and female faston ø2,36 mm	100
1b	0.915.084	Spark electrode with lead L24" and female faston ø2,36 mm	100
1c	0.915.085	Spark electrode with lead L24" and female faston ø2,36 mm	100
2a	0.958.075	Nut for ø1/4" (7/16" L13 s1/2")	100
2b	0.958.166	Nut for ø1/8" (7/16" L13 s1/2")	100
3a	0.957.005	ø1/4" olive	100
3b	0.957.214	ø1/8" olive	100
4a	0.977.377	ø0.38 mm NG injector marked 24	100
4b	0.977.375	ø0.34 mm NG injector marked 23	100
4c	0.977.376	ø0.21 mm GPL injector marked 21	100

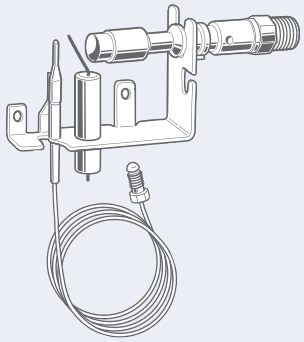
OXYPROTECTOR 8200 SERIES

CHARACTERISTICS

- 4 mm, 6 mm and 1/4" pilot tube shear-off and 5 mm (3/16") tube
- with or without thermopile support
- with one-wire or interrupted thermocouple.

Features of all versions:

- single flame burner with horizontal exit
- thermocouple welded on the burner
- energy consumption approximately 166 W.



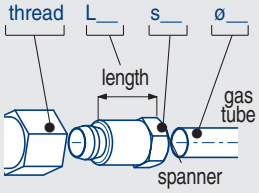
CODE	Injector ø [mm]	Gas type (1)	Gas connection (2)	Bracket configuration (3)	TC conductor (4)	Magnet connect. nut	Spark electr.[mm] (4)(5)
8400.8202.000	0.35	NG	3/8" 24UNF 2A ø5 mm	B501	one-wire	M8x1	ø1.6
8400.8203.000	0.44	NG	3/8" 24UNF 2B ø5 mm	B501	one-wire	M8x1	ø1.6
8400.8210.000	0.35	NG	M10x1 f ø6/ø4 mm/ø1/4"	B501	one-wire	11/32"	ø1.6
8400.8213.000	0.44	NG	3/8" 24UNF 2A ø5 mm	B501	one-wire	M8x1	ø1.6
8400.8221.000	0.44	NG	3/8" 24UNF 2A ø5 mm	B502	one-wire	M8x1	ø1.6
8400.8222.000	0.35	NG	M10x1 ø6 mm	B501	one-wire	M8x1	F 2.8x0.65
8400.8224.000	0.44	NG	3/8" 24UNF 2A ø5 mm	B502	one-wire	M8x1	ø1.6
8400.8231.000	0.35	NG	M10x1 f ø6/ø4 mm/ø1/4"	B501	one-wire	M9x1	ø1.6
8400.8235.000	0.44	NG	3/8" 24UNF 2A ø5 mm	B502	one-wire interr. (F)	M8x1	ø1.6
8400.8238.000	0.44	NG	M10x1 f ø6/ø4 mm/ø1/4"	B501	one-wire interr. (F)	M9x1	ø1.6
8400.8240.000	0.58	NG	3/8" 24UNF 2A ø5 mm	B501	one-wire	M8x1	ø1.6
8400.8251.000	0.40	NG	3/8" 24UNF 2A ø5 mm	B502	one-wire	M8x1	ø1.6

(1) NG: II[nd] family gas (natural gas).

(3) see pag. 53

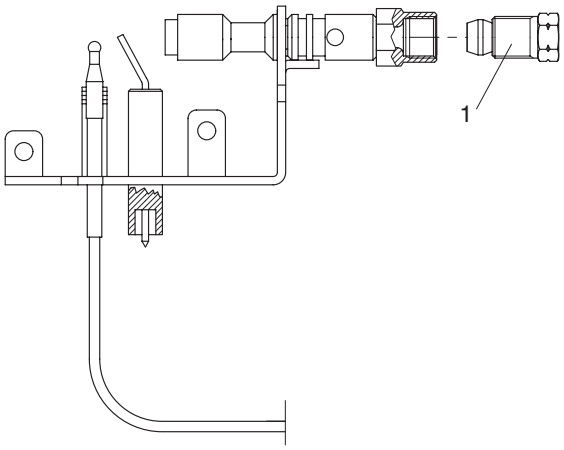
(4) F: faston f: female

(2)



(5)

ACCESSORIES



N.	CODE	Description	Quantity
1a	0.958.032	ø1/4" pilot tube shear-off (M10x1 L16 s10)	100
1b	0.958.031	ø6 mm pilot tube shear-off (M10x1 L16 s10)	100
1c	6110.9000.027	ø4 mm pilot tube shear-off (M10x1 L13 s10)	

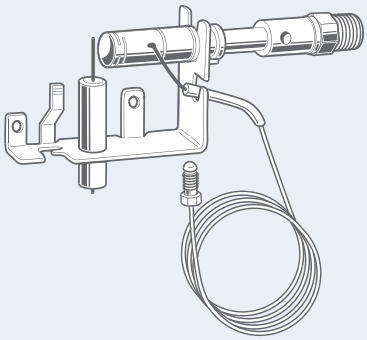
OXYPROTECTOR 8400 SERIES

CHARACTERISTICS

- 4 mm, 6 mm and 1/4" pilot tube shear-off and 5 mm (3/16") tube
- with or without thermopile support
- different types of brackets
- with one-wire or interrupted thermocouple.

Features of all versions:

- single flame burner with horizontal exit
- thermocouple welded on the burner
- energy consumption approximately 166 W.

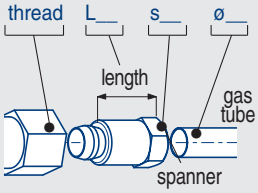


CODE	Injector ø [mm]	Gas type (1)	Gas connection (2)	Bracket configuration (3)	TC conductor (4)	Magnet connect. nut	Spark electr.[mm] (5)	Thermopile support
8400.8417.000	0.22	GPL	3/8" 24UNF 2A ø5 mm	B501	one-wire	M8x1	ø1.6	
8400.8418.000	0.22	GPL	3/8" 24UNF 2A ø5 mm	B502	one-wire	M8x1	ø1.6	
8400.8420.000	0.22	GPL	3/8" 24UNF 2A ø5 mm	B502	one-wire	M8x1	ø1.6	
8400.8424.000	0.22	GPL	M10x1 f ø6/ø4 mm/ø1/4"	B501	one-wire	11/32"	ø1.6	
8400.8428.000	0.22	GPL	3/8" 24UNF 2A ø5 mm	B501	one-wire	M8x1	ø1.6	●
8400.8431.000	0.22	GPL	3/8" 24UNF 2A ø5 mm	B502	one-wire	M8x1	ø1.6	
8400.8432.000	0.22	GPL	3/8" 24UNF 2A ø5 mm	B502	one-wire interr. (F)	M8x1	ø1.6	
8400.8433.000	0.22	GPL	M10x1 f ø6/ø4 mm/ø1/4"	B501	one-wire interr. (F)	M9x1	ø1.6	
8400.8434.000	0.22	GPL	3/8" 24UNF 2A ø5 mm	B501	one-wire	M8x1	ø1.6	
8400.8437.000	0.22	GPL	M10x1 M ø6/ø4 mm/ø1/4"	B501	one-wire	M8x1	ø1.6	
8400.8439.000	0.22	GPL	3/8" 24UNF 2A ø5 mm	B501	one-wire interr. (F)	M8x1	ø1.6	

(1) GPL: III[rd] family gas.

(3) see pag. 53

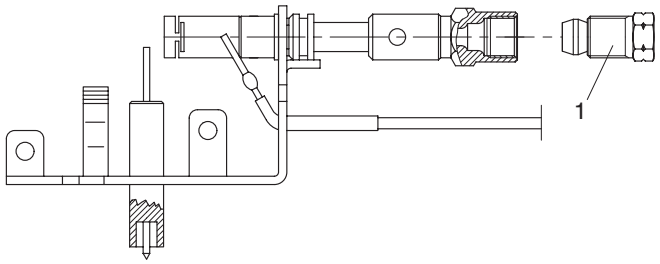
(2)



(4) F: faston f: female

(5)

ACCESSORIES



N.	CODE	Description	Quantity
1a	0.958.032	ø1/4" pilot tube shear-off (M10x1 L16 s10)	100
1b	0.958.031	ø6 mm pilot tube shear-off (M10x1 L16 s10)	100
1c	6110.9000.027	ø4 mm pilot tube shear-off (M10x1 L13 s10)	

OXYPROTECTOR 8550 SERIES

CHARACTERISTICS

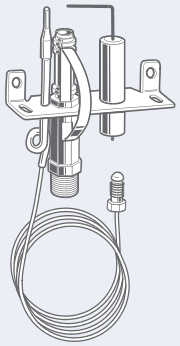
• 6 mm pilot tube shear-off and 5 mm (3/16”) tube

Features of all versions:

• single flame burner with vertical exit

• the bimetal strip makes it suitable for usage on to critical applications (poor quality gases)

• energy consumption approximately 125 W.



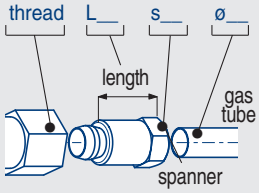
CODE	Injector ø [mm]	Gas type (1)	Gas connection (2)	Bracket configuration (3)	TC conductor	Magnet connection nut	Spark electrode[mm] (4)(5)
8400.8550.000	0.20	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8552.000	0.20	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8556.000	0.18	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8558.000	0.22	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	F 2.8x0.65
8400.8568.000	0.20	GPL	M10x1 ø5 mm	B503	one-wire	M8x1	F 2.8x0.65
8400.8579.000	0.22	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8581.000	0.22	GPL	M10x1 f ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8582.000	0.20	GPL	M10x1 ø5 mm	B503	one-wire	M8x1	ø1.6
8400.8583.000	0.20	GPL	M10x1 ø5 mm	B503	one-wire	M8x1	ø1.6
8400.8585.000	0.26	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8586.000	0.22	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8588.000	0.20	GPL	M10x1 ø5 mm	B503	one-wire	M8x1	ø1.6
8400.8593.000	0.26	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8599.000	0.22	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6

(1) GPL: III[rd] family gas.

(3) see pag. 53

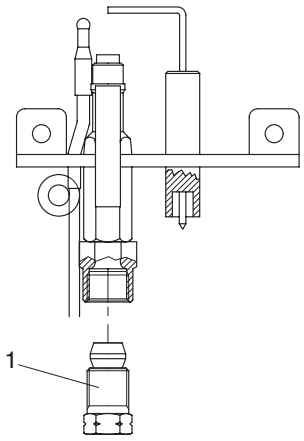
(4) F: faston f: female

(2)



(5)

ACCESSORIES



N.	CODE	Description	Quantity
1	0.958.031	ø6 mm pilot tube shear-off (M10x1 L16 s10)	100

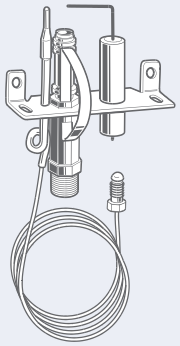
OXYPROTECTOR 85/86/8750 SERIES

CHARACTERISTICS

- 4 mm, 6 mm e 1/4" pilot tube shear-off
- with one-wire or interrupted thermocouple
- with or without spark electrode
- with or without Anti Tilt Switch (ATS)
- multigas version for GPL and NG.

Features of all versions:

- single flame burner with vertical exit
- energy consumption approximately 125 W.



CODE	Injector ø [mm]	Gas type (1)	Gas connection (2)	Bracket configuration (3)	TC conductor (4)	Magnet connection nut (4)	Spark electr.[mm] (4)(5)
8400.8502.000	0.20	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8503.000	0.20	GPL	M10x1 f ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8507.000	0.20	GPL	M10x1 f ø6/ø4 mm/ø1/4"	B504	one-wire	M8x1	F 2.8x0.65
8400.8509.000	0.18	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8510.000	0.20	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8511.000	0.20	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8512.000	0.20	GPL	M10x1 f ø6/ø4 mm/ø1/4"	B503	one-wire	M8x1	ø1.6
8400.8514.000	0.18	GPL	M10x1 f ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8519.000	0.20	GPL	M10x1 f ø6/ø4 mm/ø1/4"	B503	one-wire	M8x1	
8400.8520.000	0.20	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	F 2.8x0.65
8400.8528.000	0.20	GPL	M10x1 ø6 mm	B503	one-wire interr. (ATS)	M8x1	ø1.6
8400.8529.000	0.18	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8531.000	0.20	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8532.000	0.20	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8537.000	0.20	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8542.000	0.20	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8544.000	0.20	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	F 2.8x0.65
8400.8546.000	0.20	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8548.000	0.20	GPL	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6

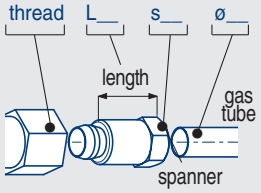
CODE	Injector ø [mm]	Gas type (1)	Gas connection (2)	Bracket configuration (3)	TC conductor (4)	Magnet connection nut (4)	Spark electr.[mm] (4)(5)
8400.8549.000	0.20	GPL	M10x1 ø6 mm	B503	one-wire interr. (ATS)	M8x1	ø1.6
8400.8597.000	0.20	GPL	M10x1 ø6 mm	B503	one-wire interr. (ATS)	M8x1	ø1.6
8400.8598.000	0.20	GPL	M10x1 ø6 mm	B503	one-wire interr. (ATS)	M8x1	ø1.6
8400.8601.000	0.30	NG	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8603.000	0.30	NG	M10x1 f ø6/ø4 mm/ø1/4"	B503	one-wire	M8x1	ø1.6
8400.8605.000	0.30	NG	M10x1 f ø6/ø4 mm/ø1/4"	B503	one-wire	M8x1	ø1.6
8400.8609.000	0.30	NG	M10x1 ø6 mm	B503	one-wire	M8x1	F 2.8x0.65
8400.8614.000	0.30	NG	M10x1 ø6 mm	B503	one-wire	M8x1	F 2.8x0.65
8400.8615.000	0.30	NG	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8616.000	0.30	NG	M10x1 ø6 mm	B503	one-wire	M8x1	F 2.8x0.65
8400.8617.000	0.30	NG	M10x1 ø6 mm	B503	one-wire	M8x1	F 2.8x0.65
8400.8620.000	0.30	NG	M10x1 ø6 mm	B503	one-wire	M8x1	ø1.6
8400.8751.000	0.30	NG	M10x1 f ø6/ø4 mm/ø1/4"	B503	one-wire	M9x1	ø1.6
8400.8752.000	0.30	NG	M10x1 f ø6/ø4 mm/ø1/4"	B503	one-wire interr. (F)	M9x1	ø1.6

(1) GPL: IIIrd family gas
NG: IInd family gas (natural gas)

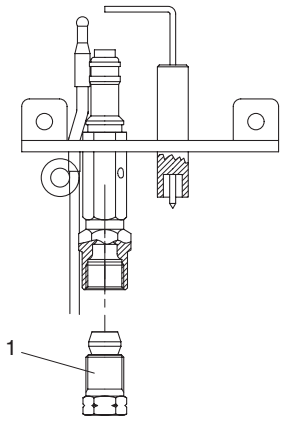
(3) see pag. 53

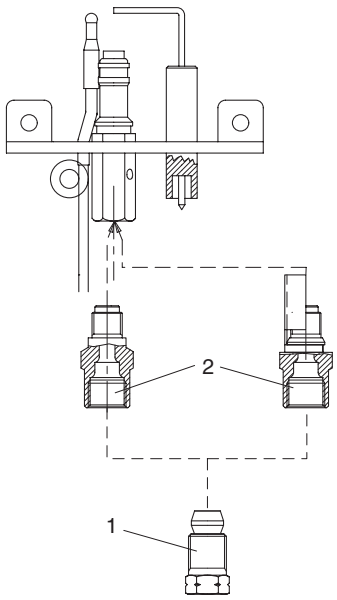
(4) F: faston f: female
ATS: Anti Tilt Switch

(2)



(5)





N.	CODE	Description	Quantity
1a	0.958.032	ø1/4" pilot tube shear-off (M10x1 L16 s10)	100
1b	0.958.031	ø6 mm pilot tube shear-off (M10x1 L16 s10)	100
1c	6110.9000.027	ø4 mm pilot tube shear-off (M10x1 L13 s10)	
2a	7400.8750.101	ø0.20 mm GPL injector assembly for 8750 family	
2b	7400.8750.100	ø0.30 mm NG injector assembly for 8750 family	

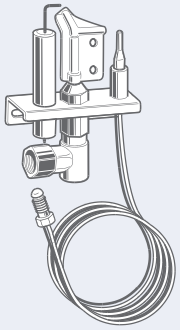
OXYPILOT 9000 SERIES

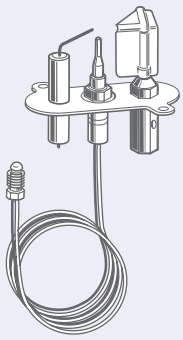
CHARACTERISTICS

- 4 mm, 6 mm e 1/4" pilot tube shear-off
- different types of brackets and different orientations
- with one-wire, double-wire, wireless or interrupted TC
- with or without Anti Tilt Switch (ATS)
- multigas version for GPL and NG.

Features of all versions:

- two flame burner with vertical exit
- energy consumption approximately 145 W (GPL) or 166 W (NG).





CODE	Injector ø [mm]	Gas type [1]	Gas connection [2]	Orientation [3]	Bracket config. [4]	TC conductor [5]	Magnet conn. nut	Spark electr.[mm] [5][6]	Gas inlet [7]
8400.9002.000	0.33	NG	M10x1 f ø6/ø4 mm/ø1/4"	510	B505	double-wire	M9x1	ø1.6	V
8400.9003.000	0.33	NG	M10x1 f ø6/ø4 mm/ø1/4"	510	B505			F2.8x0.5	V
8400.9005.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M9x1	F2.8x0.5	V
8400.9013.000	0.35	NG	M10x1 f ø6/ø4 mm/ø1/4"	510	B505			F2.8x0.5	O
8400.9017.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M8x1	F2.8x0.5	O
8400.9018.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M9x1	filo con F2.8x0.5	O
8400.9019.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M9x1	filo con F2.8x0.5	O
8400.9021.000	0.33	NG	1/8" f BSP B ø4 mm	510	B505	double-wire	M9x1	filo con Fø2.36	V
8400.9022.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M8x1	F2.8x0.5	V
8400.9027.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M9x1	F2.8x0.5	O
8400.9029.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B506	double-wire	11/32"	F2.8x0.5	O
8400.9030.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M10x1	F2.8x0.5	O
8400.9031.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B506	double-wire	M10x1	F2.8x0.5	V
8400.9033.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M9x1	F2.8x0.5	V
8400.9035.000	0.33	NG	M10x1 f ø6/ø4 mm/ø1/4"	510	B505	double-wire	M9x1	F2.8x0.5	O
8400.9036.000	0.33	NG	M10x1 f ø6/ø4 mm/ø1/4"	510	B505	double-wire	M9x1	F2.8x0.5	O
8400.9037.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M9x1	F2.8x0.5	O
8400.9038.000	0.33	NG	M10x1 L16 s10 ø6 mm	510	B505	double-wire	M9x1	F2.8x0.5	V
8400.9039.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M9x1	F2.8x0.5	O

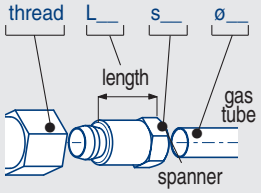
CODE	Injector ø [mm]	Gas type (1)	Gas connection (2)	Orientation (3)	Bracket config. (4)	TC conductor (5)	Magnet conn. nut	Spark electr.[mm] (5)(6)	Gas inlet (7)
8400.9040.000	0.33	NG	M10x1 f ø6/ø4 mm/ø1/4"	510	B505	double-wire	M10x1	F2.8x0.5	O
8400.9042.000	0.33	NG	M10x1 f ø6/ø4 mm/ø1/4"	510	B506	double-wire	11/32"	F2.8x0.5	O
8400.9043.000	0.33	NG	M10x1 f ø6/ø4 mm/ø1/4"	510	B505	double-wire	M9x1	F2.8x0.5	O
8400.9044.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M10x1	F2.8x0.5	O
8400.9051.000	0.35	NG	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M10x1	F2.8x0.5	V
8400.9052.000	0.44	NG	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M10x1	F2.8x0.5	O
8400.9054.000	0.33	NG	M10x1 f ø6/ø4 mm/ø1/4"	510	B505	double-wire	M10x1	F2.8x0.5	O
8400.9055.000	0.35	NG	M10x1 L13 s10 ø4 mm	510	B506	double-wire interr. (F)	M9x1	F2.8x0.5	V
8400.9056.000	0.35	NG	M10x1 f ø6/ø4 mm/ø1/4"	510	B505			F2.8x0.5	O
8400.9057.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M9x1	F2.8x0.5	O
8400.9058.000	0.44	NG	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M9x1	F2.8x0.5	O
8400.9060.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M9x1	F2.8x0.5	V
8400.9061.000	0.35	NG	M10x1 L13 s10 ø4 mm	510	B505	double-wire interr. (F)	M9x1	F2.8x0.5	O
8400.9064.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	one-wire	M9x1	F2.8x0.5	O
8400.9065.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	one-wire	M9x1	F2.8x0.5	V
8400.9066.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	one-wire	M9x1	F2.8x0.5	O
8400.9074.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	double-wire interr. (F)	M9x1	F2.8x0.5	V
8400.9076.000	0.35	NG	M10x1 L16 s10 ø6 mm	510	B506	double-wire interr. (F)	M8x1	F2.8x0.5	V
8400.9077.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B506	one-wire	M10x1	F2.8x0.5	V
8400.9079.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	one-wire interr. (F)	M9x1	F2.8x0.5	O
8400.9081.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	one-wire	M9x1	F2.8x0.5	O
8400.9082.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	one-wire	M9x1	F2.8x0.5	O
8400.9088.000	0.35	NG	M10x1 L13 s10 ø4 mm	510	B506	double-wire interr. (F)	M9x1	F2.8x0.5	O
8400.9090.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	one-wire	M9x1	F2.8x0.5	V
8400.9093.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	one-wire	M10x1	F2.8x0.5	O
8400.9096.000	0.35	NG	M10x1 L13 s10 ø4 mm	510	B505	double-wire interr. (F)	M9x1	F2.8x0.5	V
8400.9097.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B506	double-wire	M10x1	F2.8x0.5	V
8400.9102.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	one-wire interr. (F)	M9x1	F2.8x0.5	O
8400.9103.000	0.33	NG	M10x1 L13 s10 ø4 mm	510	B505	one-wire interr. (F)	M9x1	F2.8x0.5	O
8400.9202.000	0.22	GPL	M10x1 f ø6/ø4 mm/ø1/4"	510	B505	double-wire	M9x1	ø1.6	
V8400.9203.000	0.22	GPL	M10x1 f ø6/ø4 mm/ø1/4"	510	B505			F2.8x0.5	V
8400.9205.000	0.22	GPL	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M9x1	F2.8x0.5	V
8400.9213.000	0.22	GPL	1/8" f BSP B ø4 mm	510	B505	double-wire	M9x1	filo con Fø2.36	V
8400.9214.000	0.22	GPL	M10x1 f ø6/ø4 mm/ø1/4"	510	B505	double-wire	M8x1	F2.8x0.5	V
8400.9221.000	0.22	GPL	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M9x1	F2.8x0.5	O
8400.9222.000	0.22	GPL	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M10x1	F2.8x0.5	O
8400.9223.000	0.22	GPL	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M9x1	F2.8x0.5	O
8400.9224.000	0.22	GPL	M10x1 L13 s10 ø4 mm	510	B506	double-wire	M10x1	F2.8x0.5	V
8400.9226.000	0.22	GPL	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M10x1	F2.8x0.5	O

(1) GPL: III[rd] family gas
NG: II[nd] family gas (natural gas)

(3) see pag. 45

(4) see pag. 54

(2)



(5) F: faston f: female
ATS: Anti Tilt Switch

(6)

(7) V: vertical
O: horizontal

CODE	Injector ø [mm]	Gas type (1)	Gas connection (2)	Orientation (3)	Bracket config. (4)	TC conductor (5)	Magnet conn. nut	Spark electr.[mm] (5)(6)	Gas inlet (7)
8400.9228.000	0.22	GPL	M10x1 f ø6/ø4 mm/ø1/4"	510	B505	double-wire	M9x1	F2.8x0.5	O
8400.9230.000	0.22	GPL	M10x1 f ø6/ø4 mm/ø1/4"	510	B505			F2.8x0.5	O
8400.9232.000	0.22	GPL	special						V
8400.9235.000	0.22	GPL	M10x1 L13 s10 ø4 mm	510	B505	double-wire	M9x1	F2.8x0.5	V
8400.9242.000 (8)	0.22	GPL	M10x1 f ø6/ø4 mm/ø1/4"	510	B505	TC without wire		F2.8x0.5	O
8400.9245.000	0.22	GPL	M10x1 L13 s10 ø4 mm	510	B505	one-wire	M9x1	F2.8x0.5	V
8400.9261.000	0.22	GPL	M10x1 L13 s10 ø4 mm	510	B506	double-wire interr. (F)	M9x1	F2.8x0.5	O
8400.9264.000	0.22	GPL	M10x1 L13 s10 ø4 mm	510	B505	one-wire interr. (F)	M9x1	F2.8x0.5	O
8400.9272.000	0.22	GPL	M10x1 L13 s10 ø4 mm	510	B505	one-wire interr. (F)	M9x1	F2.8x0.5	O
8400.9401.000	0.33	NG	M10x1 L13 s10 ø4 mm	520	B507	double-wire	11/32"	F2.8x0.5	O
8400.9402.000	0.33	NG	M10x1 L13 s10 ø4 mm	520	B507	double-wire	11/32"	F2.8x0.5	O
8400.9403.000	0.33	NG	M10x1 L13 s10 ø4 mm	520	B507	double-wire	M9x1	F2.8x0.5	O
8400.9404.000	0.33	NG	M10x1 L13 s10 ø4 mm	520	B507	double-wire	M9x1	F2.8x0.5	O
8400.9405.000	0.33	NG	M10x1 L13 s10 ø4 mm	520	B507	double-wire	M9x1	F2.8x0.5	O
8400.9406.000	0.33	NG	M10x1 L13 s10 ø4 mm	520	B507	double-wire	M9x1	F2.8x0.5	O
8400.9407.000	0.33	NG	M10x1 L13 s10 ø4 mm	520	B507	double-wire	11/32"	F2.8x0.5	V
8400.9409.000	0.33	NG	M10x1 L13 s10 ø4 mm	520	B507	double-wire interr. (F)	M9x1	F2.8x0.5	O
8400.9410.000	0.33	NG	M10x1 L13 s10 ø4 mm	520	B507	TC without wire		2 F2.8x0.5	V
8400.9411.000	0.33	NG	M10x1 L13 s10 ø4 mm	520	B507	one-wire interr. (F)	M9x1	F2.8x0.5	O
8400.9413.000	0.33	NG	M10x1 L13 s10 ø4 mm	520	B507	double-wire interr. (F)	M9x1	F2.8x0.5	O
8400.9414.000	0.33	NG	M10x1 L13 s10 ø4 mm	520	B507	double-wire	M8x1	F2.8x0.5	O
8400.9416.000	0.33	NG	M10x1 L13 s10 ø4 mm	520	B507	TC without wire		2 F2.8x0.5	V
8400.9417.000	0.33	NG	M10x1 L13 s10 ø4 mm	520	B507	double-wire	11/32"	F2.8x0.5	O
8400.9418.000	0.44	NG	M10x1 f ø6/ø4 mm/ø1/4"	520	B507	double-wire	M9x1	F2.8x0.5	O
8400.9419.000	0.33	NG	M10x1 L13 s10 ø4 mm	520	B507	one-wire	M10x1	F2.8x0.5	O
8400.9420.000	0.35	NG	M10x1 L13 s10 ø4 mm	520	B507	TC without wire		2 F2.8x0.5	O
8400.9421.000	0.44	NG	M10x1 f ø6/ø4 mm/ø1/4"	520	B507			F2.8x0.5	O
8400.9423.000	0.35	NG	M10x1 L13 s10 ø4 mm	520	B507	one-wire	M9x1	F2.8x0.5	O
8400.9601.000	0.22	GPL	M10x1 L13 s10 ø4 mm	520	B507	double-wire	11/32"	F2.8x0.5	O
8400.9603.000	0.22	GPL	M10x1 L13 s10 ø4 mm	520	B507	double-wire	M9x1	F2.8x0.5	O
8400.9704.000	0.22/0.35	GPL/NG	M10x1 f ø6/ø4 mm/ø1/4"	510	B505	double-wire	M10x1	F2.8x0.5	V
8400.9705.000	0.22/0.35	GPL/NG	M10x1 f ø6/ø4 mm/ø1/4"	530	B508	double-wire	M9x1	F2.8x0.5	V
8400.9706.000	0.30	NG	M10x1 f ø6/ø4 mm/ø1/4"	530	B508	double-wire	M8x1	F2.8x0.5	O
8400.9707.000	0.30	NG	M10x1 L13 s10 ø4 mm	531	B508	one-wire	M9x1	F2.8x0.5	O
8400.9709.000	0.35	NG	M10x1 f ø6/ø4 mm/ø1/4"	530	B508	double-wire	M10x1	F2.8x0.5	V
8400.9713.000	0.22/0.35	GPL/NG	M10x1 f ø6/ø4 mm/ø1/4"	510	B505	one-wire	M8x1	ø1.6	V
8400.9715.000	0.35	NG	M10x1 f ø6/ø4 mm/ø1/4"	530	B508	one-wire	M9x1	ø1.6	V
8400.9716.000	0.35	NG	M10x1 f ø6/ø4 mm/ø1/4"	530	B508	one-wire	M9x1	ø1.6	V
8400.9724.000	0.33	NG	M10x1 f ø6/ø4 mm/ø1/4"	520	B507	double-wire	M9x1	F2.8x0.5	V
8400.9727.000	0.22/0.35	GPL/NG	M10x1 f ø6/ø4 mm/ø1/4"	511	B505	double-wire	M10x1	F2.8x0.5	V

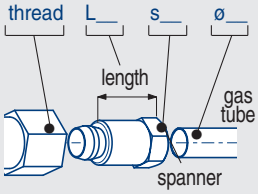
(1) GPL: IIIrd family gas
NG: IInd family gas (natural gas)

(3) see pag. 45

(4) see pag. 54

(8) Bimetallic

(2)



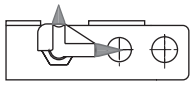
(5) F: faston f: female
ATS: Anti Tilt Switch

(6)

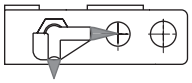
(7) V: vertical
O: horizontal

ORIENTATIONS

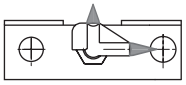
510



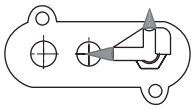
511



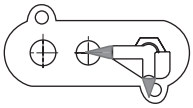
520



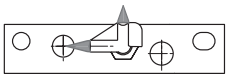
530



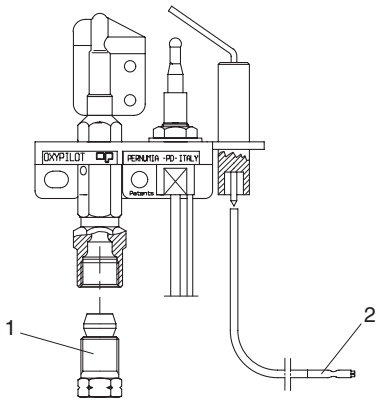
531

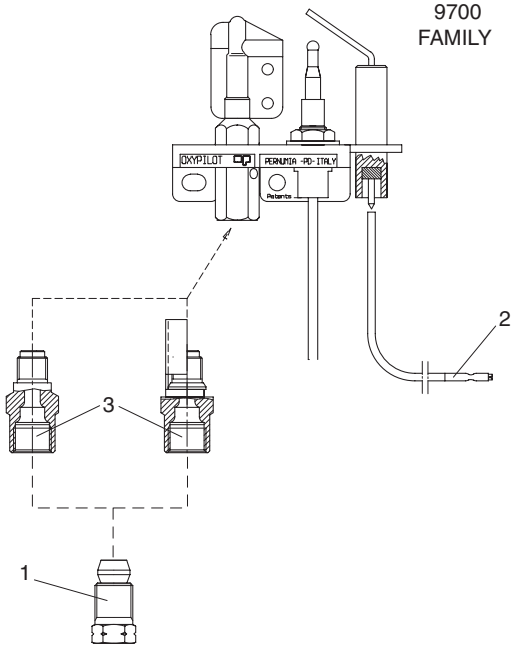


540



ACCESSORIES



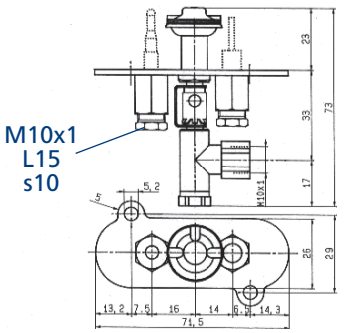


N.	CODE	Description	Quantity
1a	0.958.032	ø1/4" pilot tube shear-off (M10x1 L16 s10)	100
1b	0.958.031	ø6 mm pilot tube shear-off (M10x1 L16 s10)	100
1c	0.958.030	ø4 mm pilot tube shear-off (M10x1 L16 s10)	100
2	3010.9000.040	Spark electrode lead with faston 2.8x0.5 mm	
3a	7400.9700.400	ø0.22 mm GPL injector assembly for 9700 family	
3b	7400.9700.300	ø0.35 mm NG injector assembly for 9700 family	

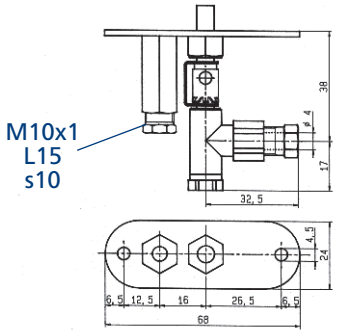
BRACKET CONFIGURATIONS

100 SERIES

E8



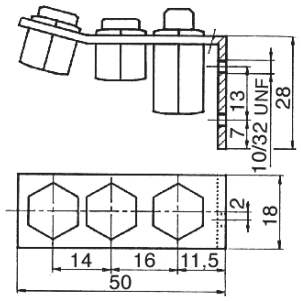
E10



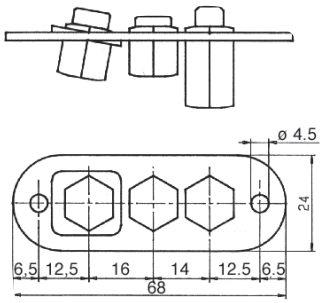
BRACKET CONFIGURATIONS

140-145-150 SERIES

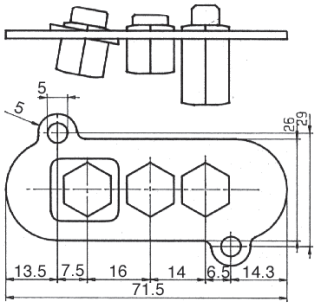
B1



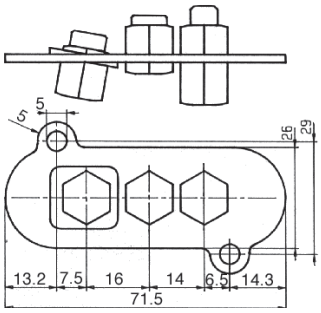
B4



B5



B6



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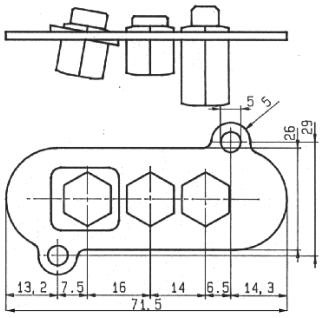
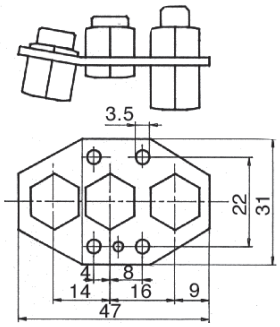
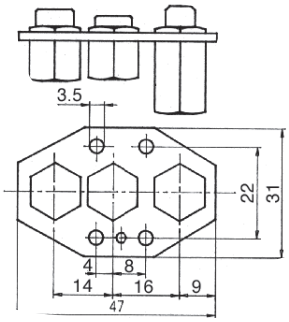


B9



B10



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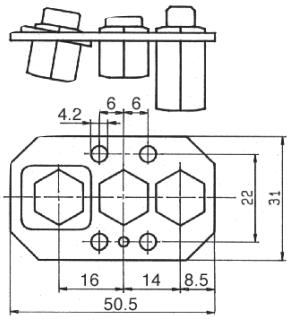
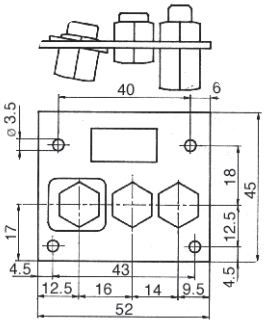
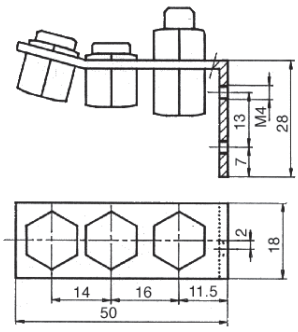


B16



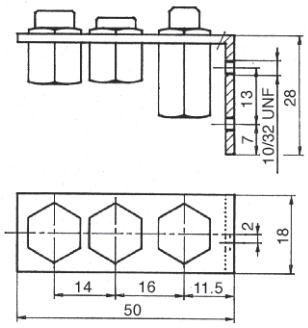
B17



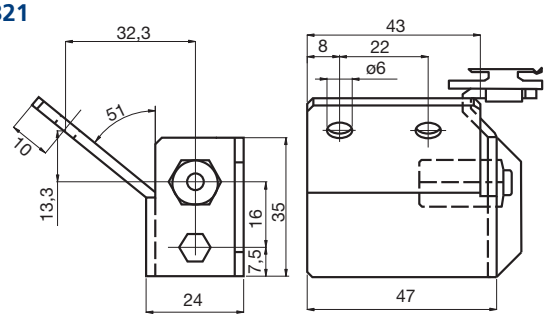
BRACKET CONFIGURATIONS

140-145-150 SERIES

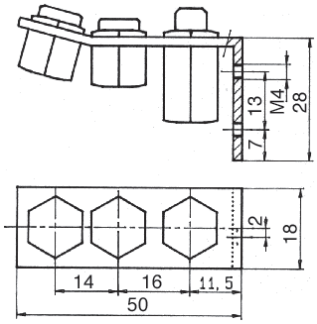
B20



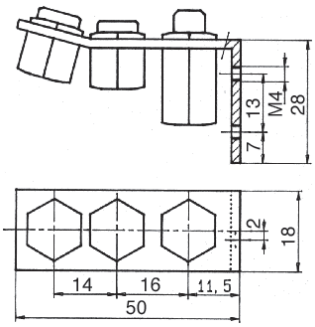
B21



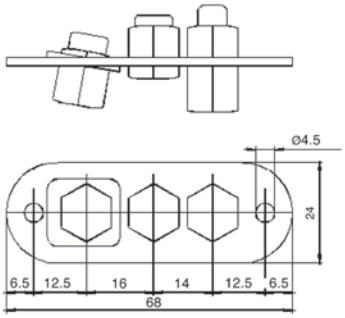
B22



B23



B24



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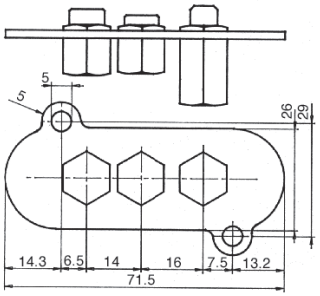

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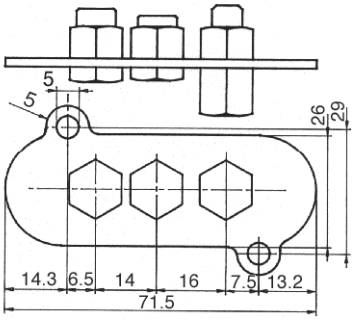

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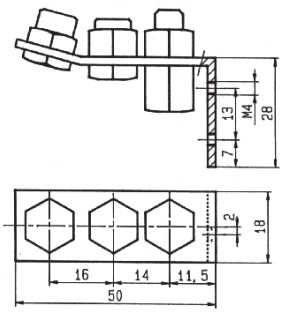

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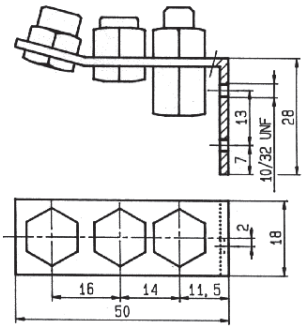

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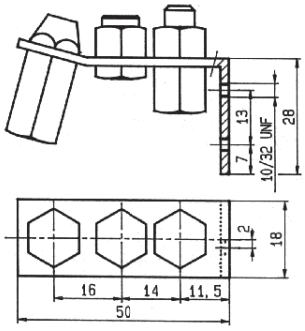
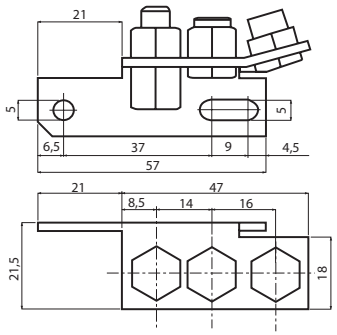


BRACKET CONFIGURATIONS

140-145-150 SERIES

B37



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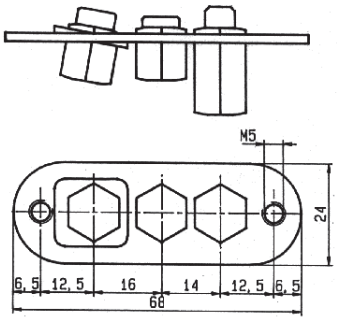

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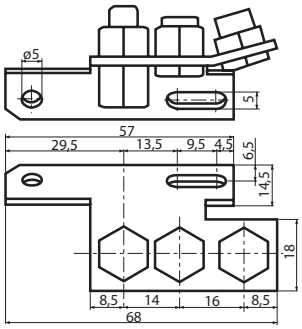

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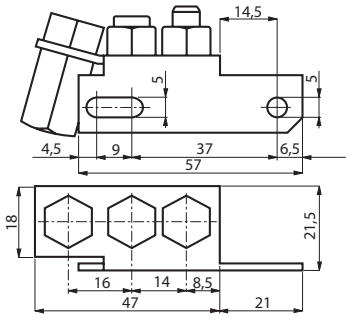

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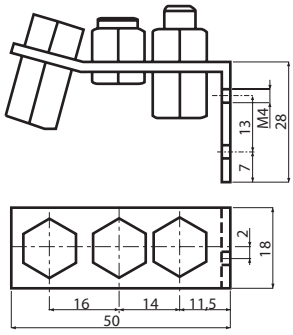

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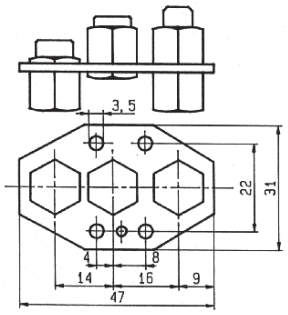
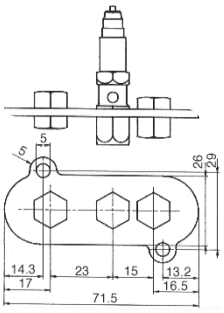


BRACKET CONFIGURATIONS

160 SERIES

C1



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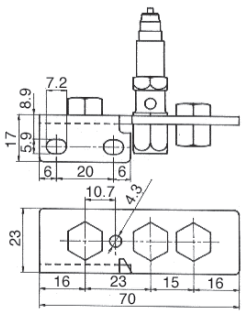

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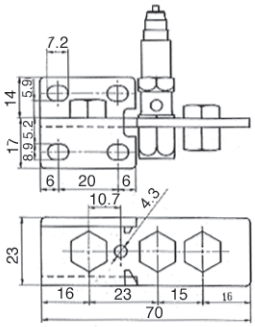

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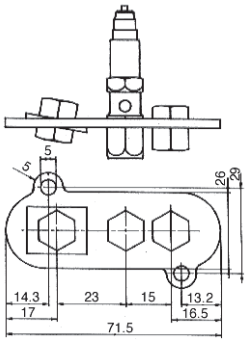

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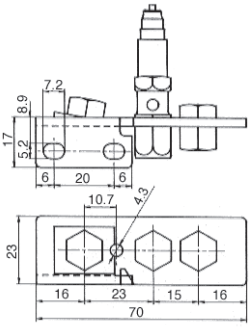

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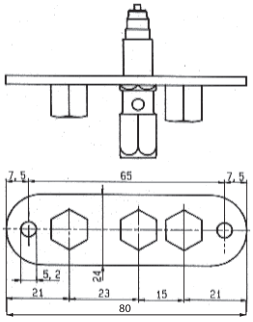
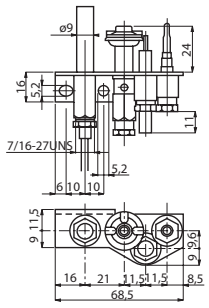


BRACKET CONFIGURATIONS

190 SERIES

E4



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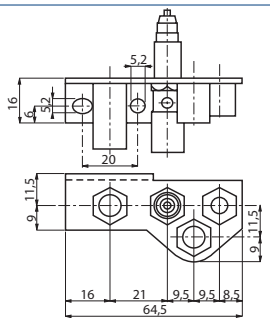

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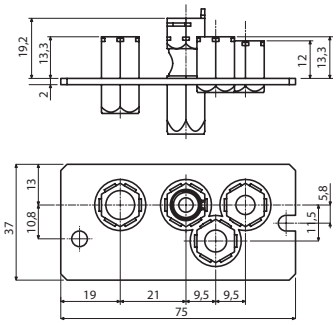

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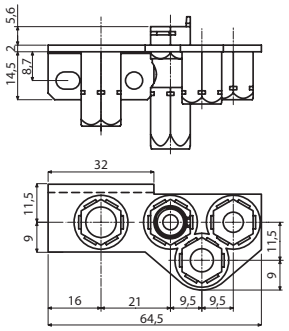

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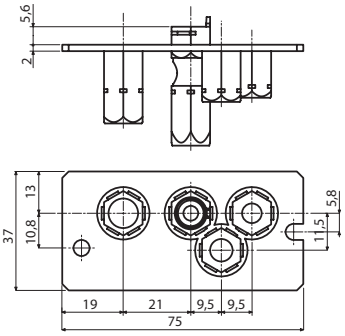

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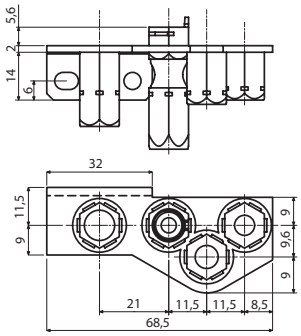

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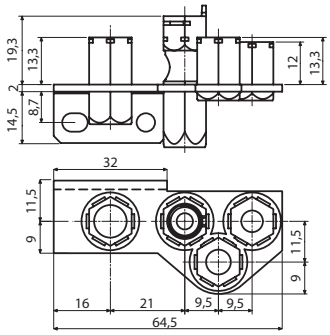

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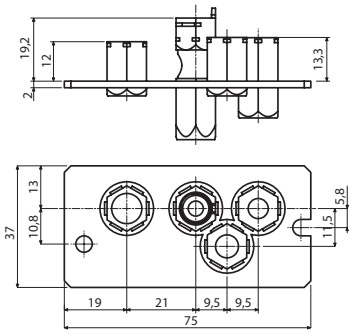
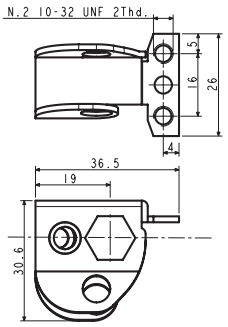


BRACKET CONFIGURATIONS

PRIME AIR SERIES

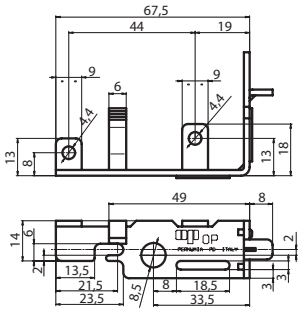
E11



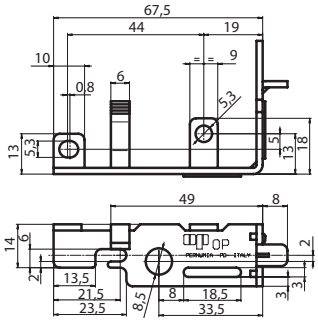
BRACKET CONFIGURATIONS

OXYPROTECTOR

B501



B502



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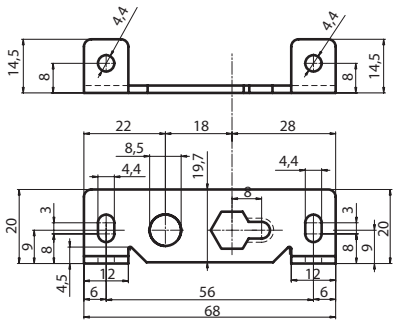
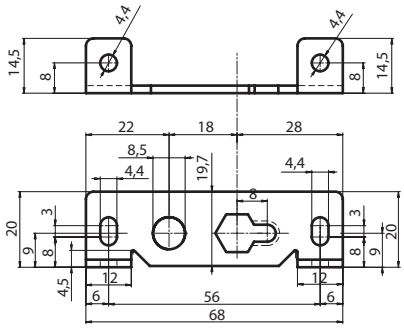


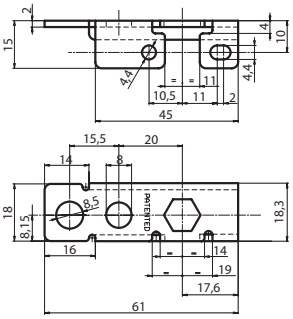
B504



BRACKET CONFIGURATIONS

OXYPILOT

B505



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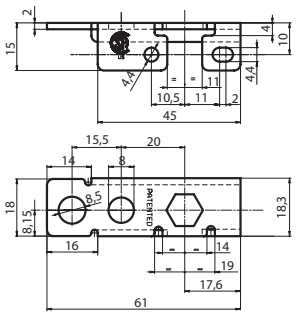

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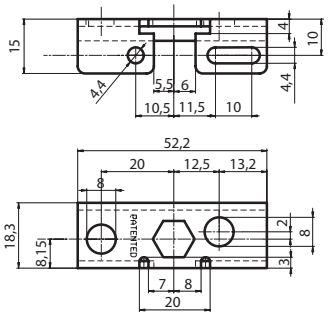

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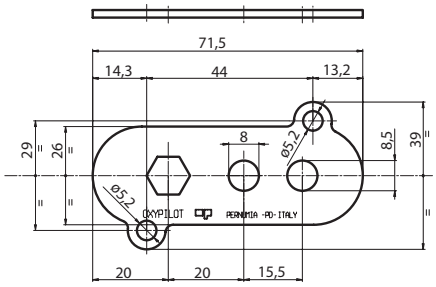

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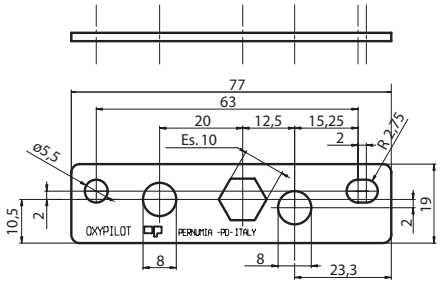
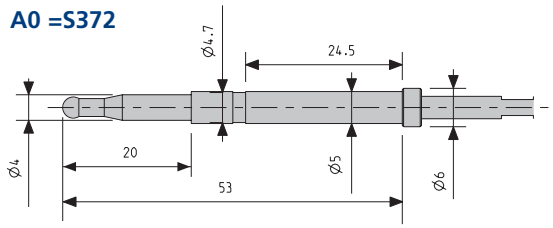


THERMOCOUPLE MOUNTING SLEEVES
MILLIVOLT GENERATOR

A0 =S372



SPECIAL FOR PRIME AIR SERIES

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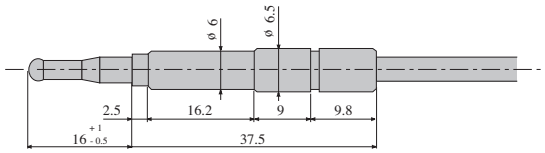

UNIFIED

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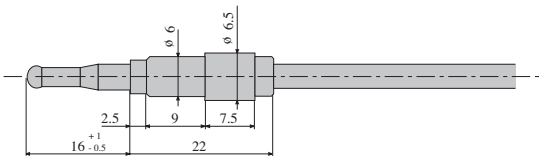
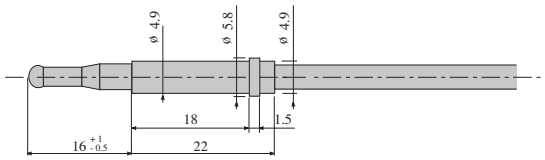


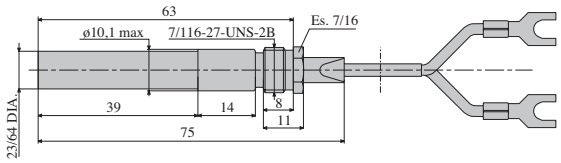
TARGET

A14 = S337



SPECIAL

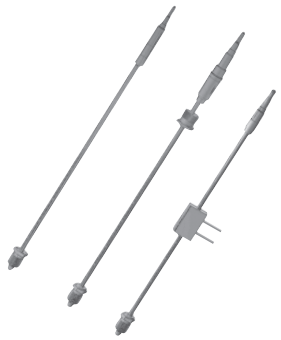
THERMOPILE



0.940.002

TECHNICAL FEATURES

Thermocouples



200 SERIES

260 SERIES

270 SERIES

280 SERIES

290 SERIES

THERMOCOUPLES 200 SERIES

CHARACTERISTICS

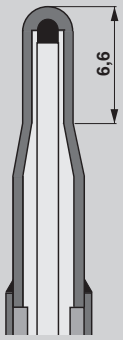
The 200 series is made for use on a vast range of gas appliances in which normal intervention times are requested for both ignition and shutdown.
The 200 series thermocouples can be supplied in various lengths:

- from 200 to 1,800 mm
- with different mounting sleeves
- with different fixing connectors.

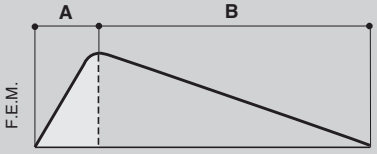
It is also possible to have the tip coated in aluminium alloy to protect against the formation of carbon deposits.

TECHNICAL DATA

• Ignition time	≤ 6 seconds
• Shutdown time	30 - 60 seconds
• F.E.M. at 100°C	≥ 2 mV
• Resistance	= 9 + (0.015 x L) ± 4 mΩ
• Maximum tip temperature	600 °C
• Fixing connector torque	~3 Nm
• Minimum bending radius	≥ 15 mm



A - Ignition time
B - Shutdown time



CODES-FEATURES 200 SERIES

Code	Sleeve code (1)	Magnet connection nut features (2)	Length [mm]	Alluminized tip	Conductor (3)
0200001	S332	M9x1 L13.5 s9	220	no	Copper Pipe
0200003	S332	M9x1 L13.5 s9	320	no	Copper Pipe
0200005	S332	M9x1 L13.5 s9	400	no	Copper Pipe
0200007	S332	M9x1 L13.5 s9	500	no	Copper Pipe
0200008	S332	M9x1 L13.5 s9	500	no	Nickel plated pipe
0200009	S332	M9x1 L13.5 s9	600	no	Copper Pipe
0200010	S332	M9x1 L13.5 s9	600	no	Nickel plated pipe
0200011	S332	M9x1 L13.5 s9	750	no	Copper Pipe
0200013	S332	M9x1 L13.5 s9	850	no	Copper Pipe
0200014	S332	M9x1 L13.5 s9	850	no	Nickel plated pipe
0200015	S332	M9x1 L13.5 s9	1000	no	Copper Pipe
0200019	S332	M9x1 L13.5 s9	1200	no	Copper Pipe
0200021	S332	M9x1 L13.5 s9	1500	no	Copper Pipe
0200023	S332	M10x1 L10 s8	220	no	Copper Pipe
0200024	S332	M10x1 L10 s8	320	no	Copper Pipe
0200025	S332	M10x1 L10 s8	400	no	Copper Pipe
0200029	S332	M10x1 L10 s8	750	no	Copper Pipe
0200031	S332	M10x1 L10 s8	1000	no	Copper Pipe
0200032	S332	M8x1 L11 s8	850	yes	Copper Pipe
0200034	S332	M10x1 L10 s8	1200	no	Copper Pipe
0200035	S332	M10x1 L10 s8	1500	no	Copper Pipe
0200036	S332	11/32 ASA L14 s9	400	no	Copper Pipe
0200037	S332	11/32 ASA L14 s9	600	no	Copper Pipe
0200038	S332	11/32 ASA L14 s9	850	no	Copper Pipe
0200039	S332	11/32 ASA L14 s9	1000	no	Copper Pipe
0200040	S332	11/32 ASA L14 s9	1500	no	Copper Pipe
0200041	S335	M8x1 L11 s8	220	no	Copper Pipe
0200042	S335	M8x1 L11 s8	320	no	Copper Pipe
0200043	S335	M8x1 L11 s8	450	no	Copper Pipe
0200044	S335	M8x1 L11 s8	600	no	Copper Pipe
0200045	S335	M8x1 L11 s8	750	no	Copper Pipe
0200046	S335	M8x1 L11 s8	850	no	Copper Pipe
0200047	S335	M8x1 L11 s8	1000	no	Copper Pipe
0200049	S335	M8x1 L11 s8	1200	no	Copper Pipe
0200050	S335	M8x1 L11 s8	1500	no	Copper Pipe
0200051	S335	M9x1 L13.5 s9	220	no	Copper Pipe
0200052	S335	M9x1 L13.5 s9	320	yes	Copper Pipe
0200053	S335	M9x1 L13.5 s9	400	no	Copper Pipe
0200054	S335	M9x1 L13.5 s9	500	no	Copper Pipe
0200055	S335	M9x1 L13.5 s9	600	no	Copper Pipe
0200056	S335	M9x1 L13.5 s9	750	no	Copper Pipe
0200057	S335	M9x1 L13.5 s9	850	no	Copper Pipe
0200058	S335	M9x1 L13.5 s9	1000	no	Copper Pipe
0200060	S335	M9x1 L13.5 s9	1200	no	Copper Pipe
0200061	S335	M9x1 L13.5 s9	1500	no	Copper Pipe
0200064	S335	M10x1 L10 s8	400	no	Copper Pipe

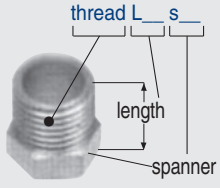
Code	Sleeve code (1)	Magnet connection nut features (2)	Length [mm]	Alluminized tip	Conductor (3)
0200067	S335	M10x1 L10 s8	750	no	Copper Pipe
0200072	S335	M10x1 L10 s8	1500	no	Copper Pipe
0200121	S332	M8x1 L11 s8	320	no	Copper Pipe
0200123	S332	M8x1 L11 s8	450	no	Copper Pipe
0200124	S332	M8x1 L11 s8	600	no	Copper Pipe
0200125	S332	M8x1 L11 s8	750	no	Copper Pipe
0200126	S332	M8x1 L11 s8	850	no	Copper Pipe
0200127	S332	M8x1 L11 s8	1000	no	Copper Pipe
0200129	S332	M8x1 L11 s8	1200	no	Copper Pipe
0200130	S332	M8x1 L11 s8	1500	no	Copper Pipe
0200131	S348	M8x1 L11 s8	750	no	Copper Pipe
0200132	S332	M8x1 L11 s8	450	yes	Copper Pipe
0200139	S332	M9x1 L13.5 s9	1000	yes	Copper Pipe
0200153	S332	M8x1 L11 s8	500	no	Copper Pipe
0200170	S332	M10x1 L10 s8	750	yes	Copper Pipe
0200172	S332	M10x1 L10 s8	500	yes	Copper Pipe
0200179	S336	11/32 ASA L14 s9	1000	yes	Copper Pipe
0200185	S332	M9x1 L13.5 s9	600	yes	Copper Pipe
0200186	S332	M9x1 L13.5 s9	750	yes	Copper Pipe
0200198	S336	11/32 ASA L14 s9	750	yes	Copper Pipe
0200201	S340	M10x1 L10 s8	320	no	Copper Pipe
0200207	S336	11/32 ASA L14 s9	660	no	Copper Pipe
0200209	S332	M9x1 L13.5 s9	1200	yes	Copper Pipe
0200216	S333	M9x1 L13.5 s9	1500	yes	Copper Pipe
0200221	S336	11/32 ASA L14 s9	450	yes	Copper Pipe
0200227	S347	11/32 ASA L14 s9	1000	yes	Copper Pipe
0200228	S005	M9x1 L13.5 s9	320	no	Copper Pipe
0200229	S333	M9x1 L13.5 s9	220	no	Copper Pipe
0200230	S333	M9x1 L13.5 s9	320	no	Copper Pipe
0200231	S333	M9x1 L13.5 s9	400	yes	Copper Pipe
0200232	S333	M9x1 L13.5 s9	500	no	Copper Pipe
0200233	S333	M9x1 L13.5 s9	600	no	Copper Pipe
0200235	S333	M9x1 L13.5 s9	850	no	Copper Pipe
0200236	S333	M9x1 L13.5 s9	1000	no	Copper Pipe
0200237	S005	M9x1 L13.5 s9	600	no	Copper Pipe
0200238	S006	M9x1 L13.5 s9	600	no	Copper Pipe
0200239	S332	M9x1 L13.5 s9	450	yes	Copper Pipe
0200240	S354		1800	yes	Copper Pipe
0200241	S354		1200	yes	Copper Pipe
0200242	S354		900	yes	Copper Pipe
0200243	S354		600	yes	Copper Pipe
0200244	S349	11/32 ASA L14 s9	600	yes	Copper Pipe
0200245	S349	11/32 ASA L14 s9	1000	yes	Copper Pipe
0200246	S349	11/32 ASA L14 s9	1500	yes	Copper Pipe
0200248	S332	M8x1 L11 s8	600	yes	Copper Pipe
0200249	S358	M8x1 L11 s8	600	no	Copper Pipe

Code	Sleeve code (1)	Magnet connection nut features (2)	Length [mm]	Alluminized tip	Conductor (3)
0200250	S359	11/32 ASA L14 s9	600	no	Copper Pipe
0200251	S334	M9x1 L13.5 s9	450	yes	Copper Pipe
0200254	S332	M9x1 L13.5 s9	850	yes	Copper Pipe
0200255	S332	M9x1 L13.5 s9	320	yes	Copper Pipe
0200258	S333	11/32 ASA L14 s9	600	yes	Copper Pipe
0200260	S335	11/32 ASA L14 s9	1200	no	Copper Pipe
0200261	S332	M9x1 L13.5 s9	1500	yes	Copper Pipe
0200262	S335	M10x1 L10 s8	320	yes	Copper Pipe
0200263	S335	11/32 ASA L14 s9	750	no	Copper Pipe
0200271	S332	11/32 ASA L14 s9	600	yes	Copper Pipe
0200272	S333	11/32 ASA L14 s9	400	no	Copper Pipe
0200273	S369	11/32 ASA L14 s9	450	yes	Copper Pipe
0200274	S333	M10x1 L10 s8	220	no	Copper Pipe
0200276	S333	11/32 ASA L14 s9	550	yes	Copper Pipe
0200281	S348	11/32 ASA L14 s9	260	no	Copper Pipe
0200282	S348	M8x1 L11 s8	260	no	Copper Pipe
0200283	S332		1800	yes	Copper Pipe
0200402	S338	M9x1 L13.5 s9	1000	no	Copper Pipe
0200517	S372	11/32 ASA L14 s9	450	yes	Copper Pipe
0200518	S372	11/32 ASA L14 s9	600	yes	Copper Pipe
0200519	S372	11/32 ASA L14 s9	750	yes	Copper Pipe
0200520	S372	11/32 ASA L14 s9	600	yes	Copper Pipe

(1) see pag. 72 to 73

(3) see pag. 74

(2)



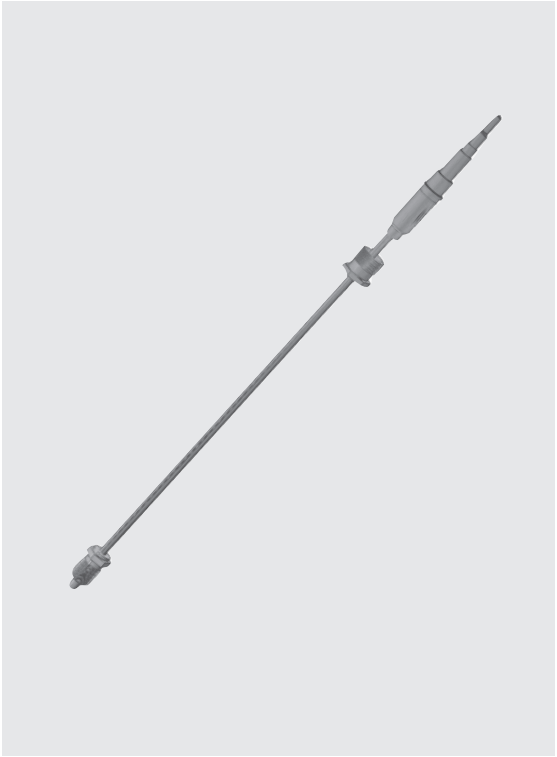
THERMOCOUPLES 260 SERIES

CHARACTERISTICS

The 260 series is made for use on gas cookers or for direct applications on flames where the use of pilots is not envisaged.
The intervention time on ignition is very brief and normal on shutdown.
The 260 series thermocouples can be provided in various lengths:

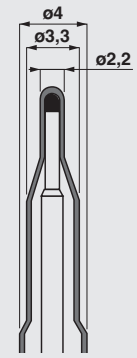
- from 200 to 1,400 mm
- with different mounting sleeves
- with different fixing connectors.

It is also possible to have the tip coated in aluminium alloy to protect against the formation of carbon deposits.



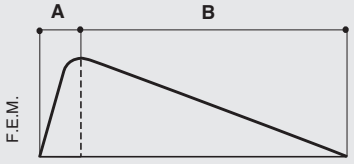
TECHNICAL DATA

• Ignition time	≤ 3 seconds
• Shutdown time	30 - 60 seconds
• F.E.M. at 100°C	≥ 2 mV
• Resistance	= 9 + (0.015 x L) ± 4 mΩ
• Maximum tip temperature	600 °C
• Fixing connector torque	~3 Nm
• Minimum bending radius	≥ 15 mm



Type S tip

A - Ignition time
B - Shutdown time



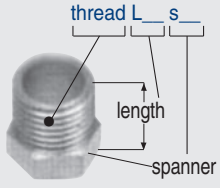
CODES-FEATURES 260 SERIES

Code	Sleeve code (1)	Magnet connection nut features (2)	Length [mm]	Alluminized tip	Conductor (3)
0260032	S338	M8x1 L11 S8	500	no	Copper Pipe
0260041	S335	M8x1 L11 S8	220	no	Copper Pipe
0260042	S335	M8x1 L11 S8	320	no	Copper Pipe
0260043	S335	M8x1 L11 S8	450	no	Copper Pipe
0260047	S335	M8x1 L11 S8	1000	no	Copper Pipe
0260049	S335	M8x1 L11 S8	1200	no	Copper Pipe
0260131	S337	M8x1 L11 S8	220	yes	Copper Pipe
0260132	S337	M8x1 L11 S8	450	yes	Copper Pipe
0260137	S337	M8x1 L11 S8	600	no	Copper Pipe
0260138	S337	M8x1 L11 S8	750	yes	Copper Pipe
0260139	S337	M8x1 L11 S8	320	no	Copper Pipe
0260141	S337	M8x1 L11 S8	1200	no	Copper Pipe
0260142	S337	M8x1 L11 S8	900	no	Copper Pipe
0260143	S337	M8x1 L11 S8	450	no	Copper Pipe
0260145	S337	M8x1 L11 S8	450	yes	Copper Pipe
0260148	S351	M8x1 L11 S8	450	yes	Copper Pipe
0260149	S351	M8x1 L11 S8	600	no	Copper Pipe
0260151	S335	M8x1 L11 S8	400	no	Copper Pipe
0260153	S360	M8x1 L11 S8	500	yes	Copper Pipe
0260154	S335	M8x1 L11 S8	1200	yes	Copper Pipe
0260155	S335	M8x1 L11 S8	450	yes	Copper Pipe
0260157	S337	M9x1 L11 S9	750	yes	Copper Pipe

(1) see pag. 72 to 73

(3) see pag. 74

(2)



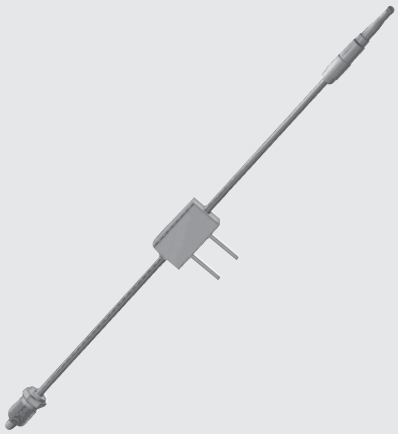
THERMOCOUPLES 270 SERIES

CHARACTERISTICS

The 270 series is characterised by the interruption of the thermoelectric circuit, between the tip and the terminal. It is therefore possible to insert safety devices (temperature limiters).
The 270 series thermocouples can be provided in various lengths:

- from 230 to 1,200 mm
- with different mounting sleeves
- with different fixing connectors
- with tips series 200 and 290.

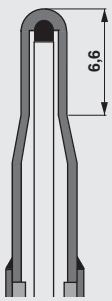
It is also possible to have the tip coated in aluminium alloy to protect against the formation of carbon deposits.



TECHNICAL DATA

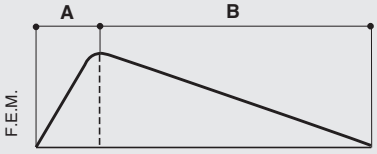
• Ignition time	≤ 6 seconds
• Shutdown time:	- 200 series (30 - 60 seconds) - 290 series ≤ 30 seconds
• F.E.M. at 100 °C	≥ 2 mV
• Resistance	= 9 + (0.015 x L) ± 4 mΩ
• Maximum tip temperature	600 °C
• Fixing connector torque	~ 3 Nm
• Minimum bending radius	≥ 15 mm

200 SERIES



290 SERIES

A - Ignition time
B - Shutdown time



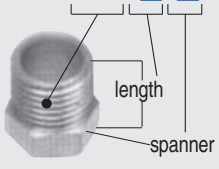
CODES-FEATURES SERIES 270

Code	Sleeve code (1)	Magnet connection nut features (2)	Length [mm]	Conductor (3)	Tip type(4)	interruption terminals (5)	C(6) [mm]	Leeds [mm] (7)
0270009	S332	M9x1 L13.5 s9	600	Copper Pipe	A,N		130	820 NT
0270010	S332	M9x1 L13.5 s9	1000	Copper Pipe	A,N		130	820 NT
0270015	S333	M9x1 L13.5 s9	600	Copper Pipe	N		180	400 HT
0270400	S332	M9x1 L13.5 s9	1000	Copper Pipe	N		130	
0270405	S338	M9x1 L13.5 s9	1000	Copper Pipe	A,N		130	
0270407	S332	M9x1 L13.5 s9	320	Copper Pipe	N		130	
0270408	S332	M9x1 L13.5 s9	600	Copper Pipe	N	F	130	
0270409	S332	11/32 ASA L14 s9	600	Copper Pipe	A,N	F	130	
0270410	S332	M9x1 L13.5 s9	600	Copper Pipe	N		180	
0270411	S333	11/32 ASA L14 s9	400	Copper Pipe	A,Q	F	180	
0270412	S332	11/32 ASA L14 s9	600	Copper Pipe	N		180	
0270416	S332	M9x1 L13.5 s9	600	Copper Pipe	A,N		130	
0270417	S335	M9x1 L13.5 s9	600	Copper Pipe	A,N		130	
0270419	S332	M9x1 L13.5 s9	400	Copper Pipe	A,N		130	
0270422	S332	M9x1 L13.5 s9	600	Copper Pipe	A,Q		180	
0270423	S332	11/32 ASA L14 s9	320	Copper Pipe	A,N		130	
0270424	S339	11/32 ASA L14 s9	600	Copper Pipe	A,N		130	
0270425	S337	M10x1 L10 s8	600	Copper Pipe	A,Q	F	130	
0270426	S332	M9x1 L13.5 s9	1000	Copper Pipe	A,N		130	
0270427	S333	M9x1 L13.5 s9	400	Copper Pipe	A,Q		180	
0270428	S333	11/32 ASA L14 s9	400	Copper Pipe	A,Q		180	690 NT
0270429	S333	11/32 ASA L14 s9	600	Copper Pipe	A,Q		180	690 NT
0270430	S333	M9x1 L13.5 s9	600	Copper Pipe	A,Q	F	130	
0270431	S335	M9x1 L13.5 s9	450	Copper Pipe	A,N		130	
0270432	S333	M10x1 L10 s8	350	Copper Pipe	A,Q		130	500 HT
0270434	S332	11/32 ASA L14 s9	600	Copper Pipe	N	F	180	700 NT
0270436	S332	M9x1 L13.5 s9	600	Copper Pipe	N		130	600 NT
0270437	S332	M10x1 L10 s8	600	Copper Pipe	N	F	130	
0270439	S332	M10x1 L10 s8	1000	Copper Pipe	Q		130	600 HT
0270440	S337	M10x1 L10 s10	1000	Copper Pipe	A,Q		130	600 HT
0270441	S332	M8x1 L12.5 s8	1200	Copper Pipe	N		130	
0270442	S334	M9x1 L13.5 s9	450	Copper Pipe	A,N		130	
0270443	S337	M9x1 L13.5 s9	320	Copper Pipe	A,Q		130	500 HT
0270446	S333	M9x1 L13.5 s9	400	Copper Pipe	A,Q	F	180	400 HT
0270447	S333	11/32 ASA L14 s9	600	Copper Pipe	A,N		180	150 HT
0270449	S332	M9x1 L13.5 s9	525	Copper Pipe	A,Q	F	330	
0270453	S333	M10x1 L10 s8	600	Copper Pipe	Q	F	180	450+300 HT
0270454	S332	M9x1 L13.5 s9	400	Copper Pipe	N	F	180	400 HT
0270455	S333	M9x1 L13.5 s9	470	Copper Pipe	Q	F	280	
0270456	S333	11/32 ASA L14 s9	600	Copper Pipe	N	F	180	150 HT
0270457	S333	11/32 ASA L14 s9	600	Copper Pipe	N	F	180	150 HT
0270458	S333	M9x1 L13.5 s9	470	Copper Pipe	N		280	
0270459	S332		400	Copper Pipe	N	F	180	400 HT
0270460	S333	M9x1 L13.5 s9	600	Copper Pipe	N	F	180	400 HT
0270462	S333	M9x1 L13.5 s9	370	Copper Pipe	A,Q		130	600 HT
0270463	S333	M9x1 L13.5 s9	350	Copper Pipe	A,Q	R	130	300 HT
0270500	S333	11/32 ASA L14 s9	900	Copper Pipe	A,N	F	130	

Code	Sleeve code (1)	Magnet connection nut features (2)	Length [mm]	Conductor (3)	Tip type(4)	interruption terminals (5)	C(6) [mm]	Leeds [mm] (7)
0270501	S333	11/32 ASA L14 s9	600	Copper Pipe	A,N	F	130	
0270502	S333	M10x1 L11 s10	600	Copper Pipe	A,N	F	130	
0270503	S333	11/32 ASA L14 s9	550	Copper Pipe	N	F	130	
0270504	S333	11/32 ASA L14 s9	500	Copper Pipe	N	F	130	
0270505	S333	M8x1 L11 s8	600	Copper Pipe	N	F	180	400 HT
0270506	S333	M10x1 L10 s8	600	Copper Pipe	A,Q		130	500 HT
0270507	S333	M10x1 L10 s8	550	Copper Pipe	A,Q		130	500 HT
0270601	S368	11/32 ASA L14 s9	450	Copper Pipe	N			
0270602	S368	11/32 ASA L14 s9	450	Copper Pipe	N			
0270603	S339	11/32 ASA L14 s9	600	Copper Pipe	N			

(1) see pag. 72 to 73

(2)

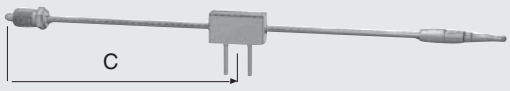


(3) see pag. 74

(4) A: Aluminized tip
N: series 200 (Normal)
Q: series 290 (Quick off)

(5) F: Faston
R: Ring terminal

(6)



(7) NT: Normal Temperature
HT: High Temperature

THERMOCOUPLES 290 SERIES

CHARACTERISTICS

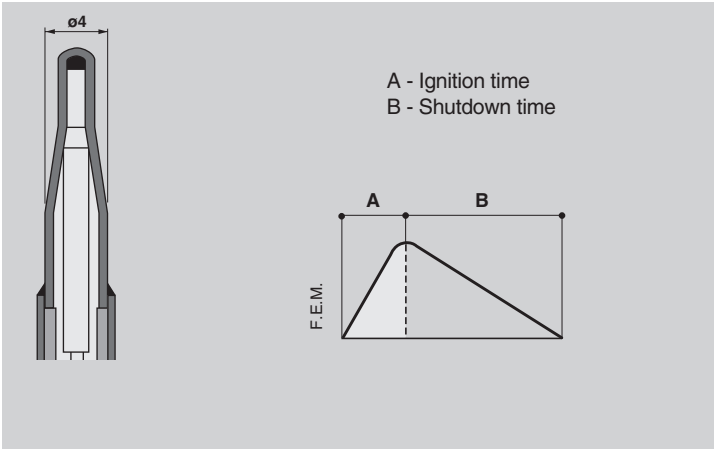
The 290 series is made for use on all those gas appliances in which a very brief closure time is required on shutdown together with long life in particularly difficult working conditions.
The 290 series thermocouples can be provided in various lengths:

- from 200 to 2,500 mm
- with different mounting sleeves
- with different fixing connectors.

It is also possible to have the tip coated in aluminium alloy to protect against the formation of carbon deposits.

TECHNICAL DATA

• Ignition time	≤ 6 seconds
• Shutdown time	≤ 30 seconds
• F.E.M. at 100°C	≥ 2 mV
• Resistance	= 9 + (0.015 x L) ± 4 mΩ
• Maximum tip temperature	600 °C
• Fixing connector torque	~3 Nm
• Minimum bending radius	≥ 15 mm



CODES-FEATURES 290 SERIES

Code	Sleeve code (1)	Magnet connection nut features (2)	Length [mm]	Alluminized tip	Conductor (3)
0290003	S332	M10X1 L11 s8	450	no	Copper Pipe
0290004	S332	M10X1 L11 s8	600	no	Copper Pipe
0290010	S332	M10X1 L11 s8	1500	no	Copper Pipe
0290012	S332	M9X1 L13.5 s9	320	no	Copper Pipe
0290013	S332	M9X1 L13.5 s9	400	no	Copper Pipe
0290015	S332	M9X1 L13.5 s9	500	no	Copper Pipe
0290016	S332	M9X1 L13.5 s9	600	no	Copper Pipe
0290017	S332	M9X1 L13.5 s9	750	no	Copper Pipe
0290018	S332	M9X1 L13.5 s9	850	no	Copper Pipe
0290019	S332	M9X1 L13.5 s9	1000	no	Copper Pipe
0290021	S332	M9X1 L13.5 s9	1200	no	Copper Pipe
0290022	S332	M9X1 L13.5 s9	1500	no	Copper Pipe
0290024	S332	11/32 ASA L14 s9	600	no	Copper Pipe
0290025	S332	11/32 ASA L14 s9	850	no	Copper Pipe
0290028	S335	M8X1 L11 s8	220	no	Copper Pipe
0290029	S335	M8X1 L11 s8	320	no	Copper Pipe
0290031	S335	M8X1 L11 s8	600	no	Copper Pipe
0290039	S335	M9X1 L13.5 s9	320	no	Copper Pipe
0290042	S335	M9X1 L13.5 s9	500	no	Copper Pipe
0290055	S333	11/32 ASA L14 s9	600	yes	Copper Pipe
0290059	S332	M10X1 L10 s8	400	no	Copper Pipe
0290064	S332	M10X1 L10 s8	850	no	Copper Pipe
0290068	S332	M10X1 L10 s8	1500	no	Copper Pipe
0290072	S335	M10X1 L10 s8	450	yes	Copper Pipe
0290074	S335	M10X1 L10 s8	600	yes	Copper Pipe
0290082	S333	M9X1 L13.5 s9	320	yes	Copper Pipe
0290083	S333	M9X1 L13.5 s9	400	yes	Copper Pipe
0290084	S333	M9X1 L13.5 s9	450	yes	Copper Pipe
0290085	S333	M9X1 L13.5 s9	500	yes	Copper Pipe
0290086	S333	M9X1 L13.5 s9	600	yes	Copper Pipe
0290087	S333	M9X1 L13.5 s9	750	yes	Copper Pipe
0290088	S333	M9X1 L13.5 s9	850	yes	Copper Pipe
0290089	S333	M9X1 L13.5 s9	1000	yes	Copper Pipe
0290091	S333	M9X1 L13.5 s9	1200	yes	Copper Pipe
0290092	S333	M9X1 L13.5 s9	1500	yes	Copper Pipe
0290095	S333	M10X1 L10 s8	400	yes	Copper Pipe
0290097	S333	M10X1 L10 s8	500	yes	Copper Pipe
0290098	S333	M10X1 L10 s8	600	yes	Copper Pipe
0290101	S333	M10X1 L10 s8	1000	yes	Copper Pipe
0290110	S333	M10X1 L11 s8	600	yes	Copper Pipe
0290118	S333	11/32 ASA L14 s9	600	yes	Copper Pipe
0290120	S333	11/32 ASA L14 s9	1000	yes	Copper Pipe
0290122	S334	M10X1 L10 s8	500	yes	Copper Pipe
0290125	S334	11/32 ASA L14 s9	1200	yes	Copper Pipe
0290129	S332	11/32 ASA L14 s9	450	yes	Copper Pipe
0290134	S332	M9X1 L13.5 s9	400	yes	Copper Pipe
0290135	S332	11/32 ASA L14 s9	220	yes	Copper Pipe
0290136	S333	11/32 ASA L14 s9	450	yes	Copper Pipe

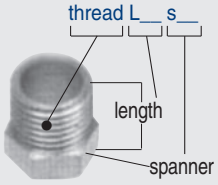
Code	Sleeve code (1)	Magnet connection nut features (2)	Length [mm]	Alluminized tip	Conductor (3)
0290137	S337	M10X1 L10 s8	500	yes	Copper Pipe
0290144	S332	11/32 ASA L14 s9	320	yes	Copper Pipe
0290146	S332	11/32 ASA L14 s9	500	no	Copper Pipe
0290148	S337	M10X1 L18 s8	220	yes	Copper Pipe
0290149	S333	M9X1 L13.5 s9	220	yes	Copper Pipe
0290150	S333	M9X1 L13.5 s9	600	yes	Copper Pipe
0290151	S333	M9X1 L13.5 s9	1000	yes	Copper Pipe
0290152	S333	M9X1 L13.5 s9	1200	yes	Copper Pipe
0290153	S333	M10X1 L10 s8	320	yes	Copper Pipe
0290154	S333	M10X1 L10 s8	500	yes	Copper Pipe
0290155	S333	M10X1 L10 s8	1000	yes	Copper Pipe
0290156	S333	11/32 ASA L14 s9	400	yes	Copper Pipe
0290159	S337	M9X1 L13.5 s9	750	yes	Copper Pipe
0290160	S333	M9X1 L13.5 s9	750	yes	Copper Pipe
0290161	S333	M9X1 L13.5 s9	400	yes	Copper Pipe
0290162	S337	11/32 ASA L14 s9	400	yes	Copper Pipe
0290163	S333	M9X1 L13.5 s9	280	yes	Copper Pipe
0290165	S338	11/32 ASA L14 s9	400	yes	Copper Pipe
0290166	S333	M9X1 L13.5 s9	280	yes	Copper Pipe
0290168	S333	M10X1 L11 s8	850	yes	Copper Pipe
0290169	S337	M9X1 L13.5 s9	500	yes	Copper Pipe
0290171	S332	M10X1 L11 s8	1500	yes	Copper Pipe
0290172	S332	M9X1 L13.5 s9	850	yes	Copper Pipe
0290173	S333	M10X1 L10 s8	750	yes	Copper Pipe
0290174	S333	11/32 ASA L14 s9	750	yes	Copper Pipe
0290175	S344		1200	yes	Copper Pipe
0290176	S333	M9X1 L13.5 s9	400	no	Copper Pipe
0290177	S332	M10X1 L11 s8	450	yes	Copper Pipe
0290178	S333	M10X1 L10 s8	260	yes	Copper Pipe
0290181	S333	11/32 ASA L14 s9	850	yes	Copper Pipe
0290183		M10X1 L18 s8	220	yes	Copper Pipe
0290184	S349		600	no	Copper Pipe
0290187	S337	M10X1 L10 s8	750	yes	Copper Pipe
0290192	S338	11/32 ASA L14 s9	750	no	Copper Pipe
0290194	S352		450	yes	Copper Pipe
0290195	S353		350	no	Copper Pipe
0290196	S332	M10X1 L10 s8	1000	no	Copper Pipe
0290197	S337	M10X1 L11 s8	1000	yes	Copper Pipe
0290198	S333	M10X1 L11 s8	400	yes	Copper Pipe
0290199	S334	M9X1 L13.5 s9	400	yes	Copper Pipe
0290200	S333	11/32 ASA L14 s9	320	yes	Copper Pipe
0290201	S333	11/32 ASA L14 s9	400	yes	Copper Pipe
0290203	S332	M9X1 L13.5 s9	600	yes	Copper Pipe
0290204	S361		300	yes	Copper Pipe
0290209	S334	M8X1 L11 s8	750	yes	Copper Pipe
0290210	S335	11/32 ASA L14 s9	600	yes	Copper Pipe
0290211	S335	11/32 ASA L14 s9	1200	yes	Copper Pipe
0290212	S332	11/32 ASA L14 s9	600	yes	Copper Pipe

Code	Sleeve code (1)	Magnet connection nut features (2)	Length [mm]	Alluminized tip	Conductor (3)
0290215	S361	11/32 ASA L14 s9	600	yes	Copper Pipe
0290216	S333	11/32 ASA L14 s9	600	yes	Copper Pipe
0290218	S333	11/32 ASA L14 s9	850	yes	Copper Pipe

(1) see pag. 72 to 73

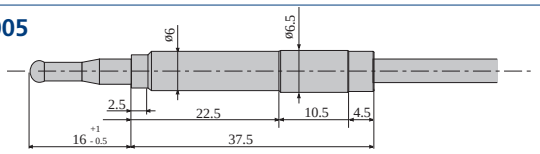
(3) see pag. 74

(2)



PILOT MOUNTING SLEEVES

S005



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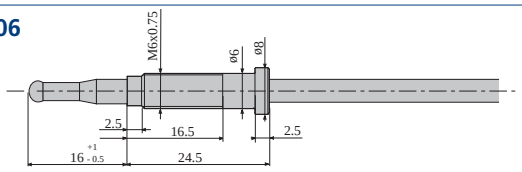

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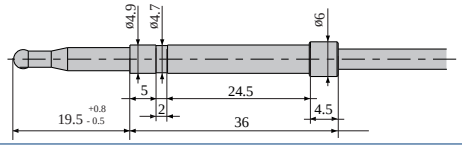

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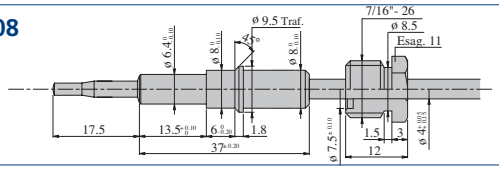

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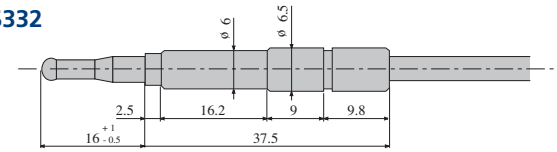

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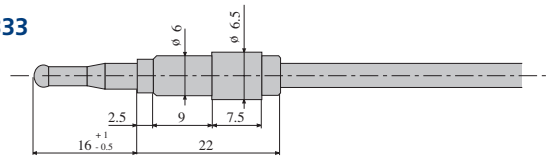

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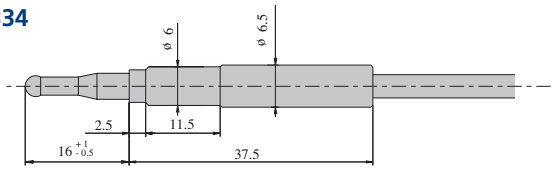

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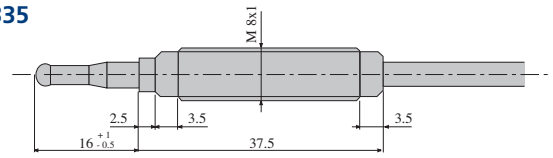

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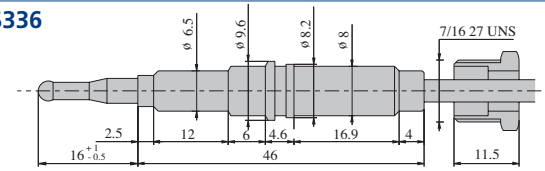

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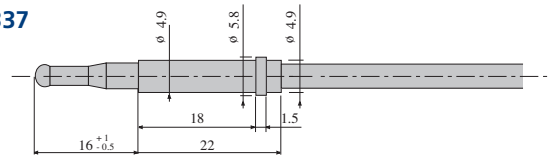

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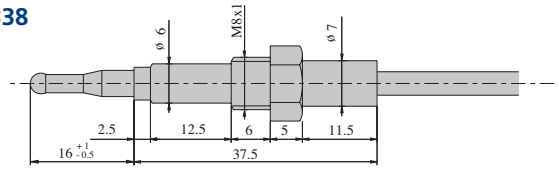

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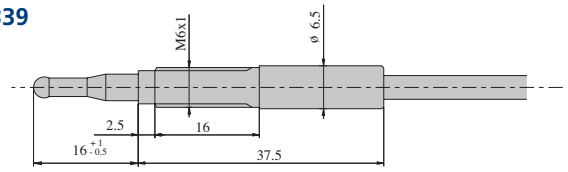

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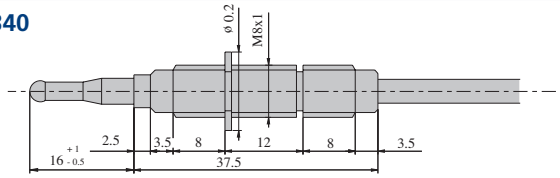

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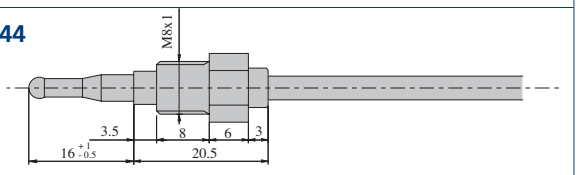

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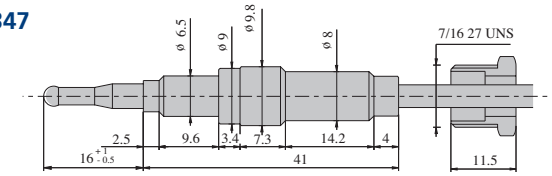

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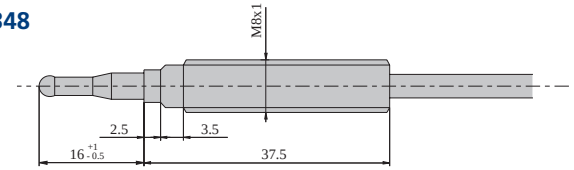

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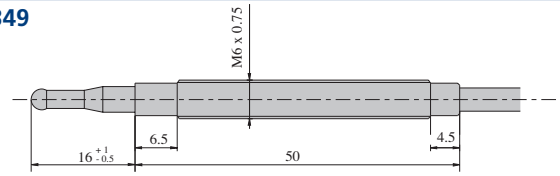

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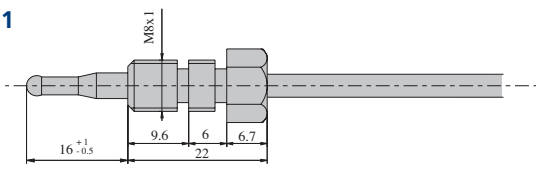

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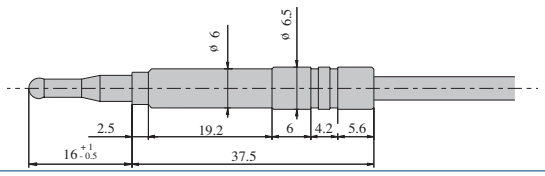

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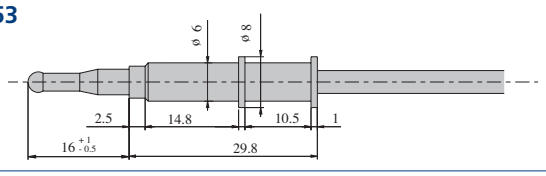
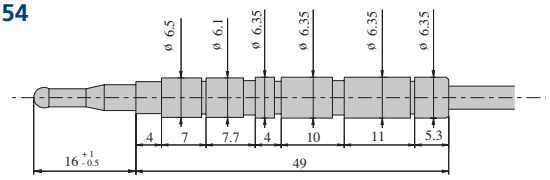


PILOT MOUNTING SLEEVES

S354



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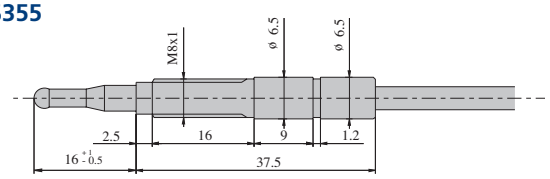

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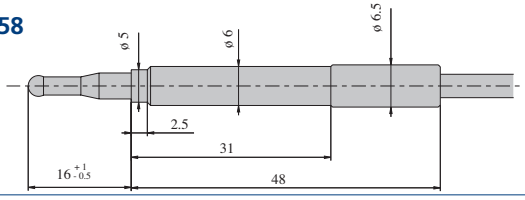

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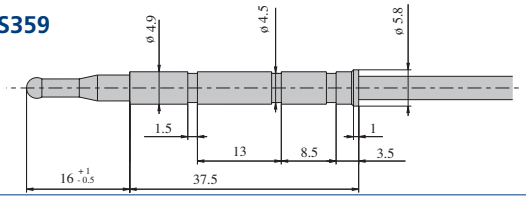

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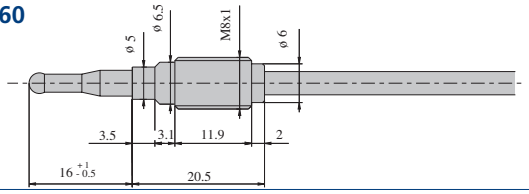

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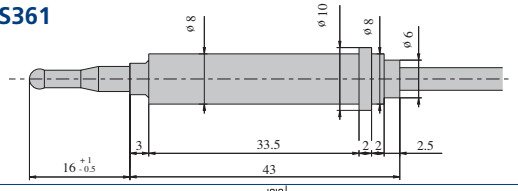

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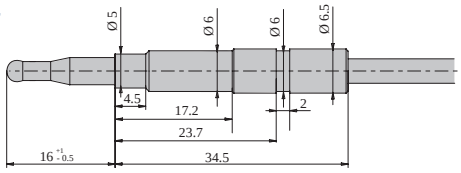

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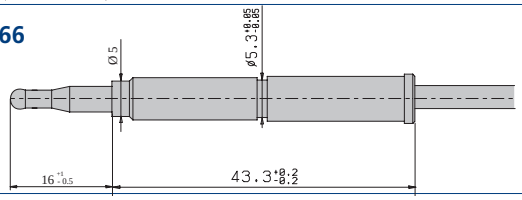

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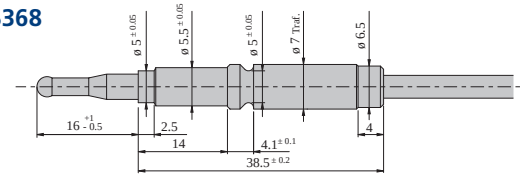
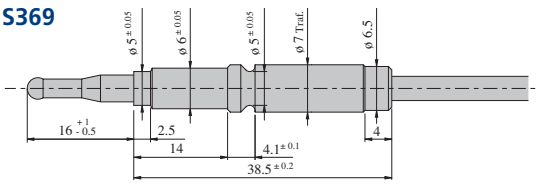
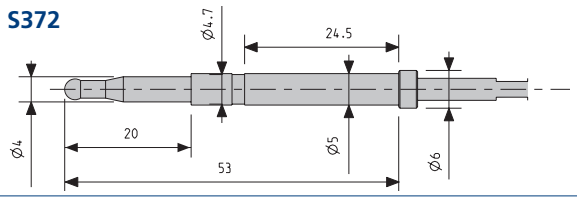


S369

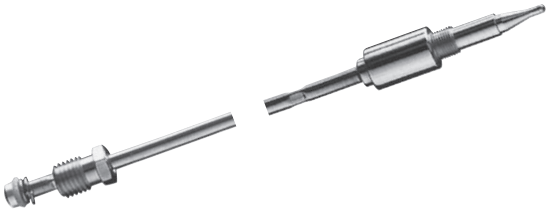


S372

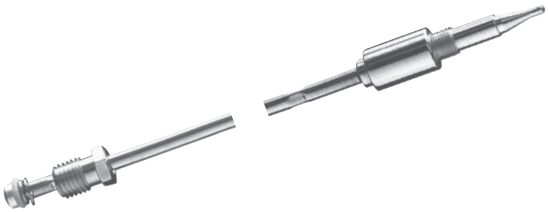


CONDUCTOR TYPES

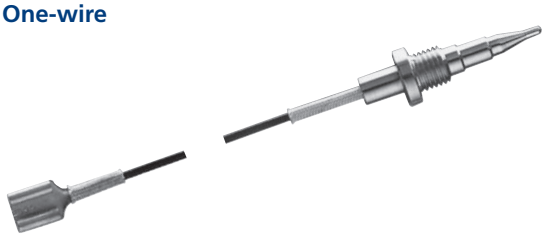
Copper capillary



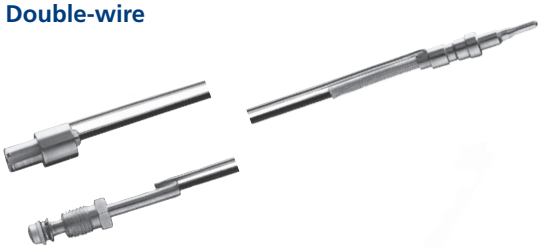
Nickel plated capillary



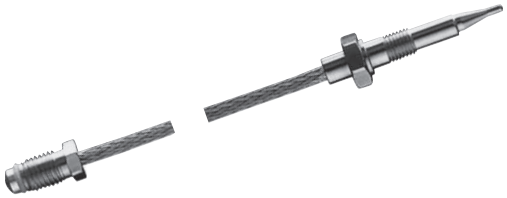
One-wire



Double-wire



Braided wire

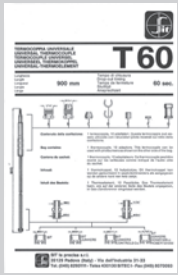


UNIVERSAL THERMOCOUPLES

Because of its versatility, this series of thermocouples can be used on a vast range of pilots currently on the market.

TECHNICAL DATA

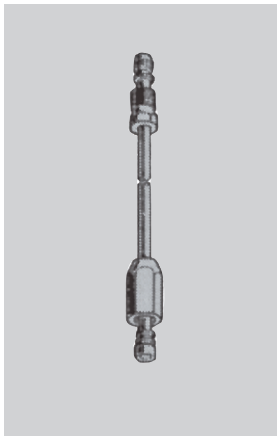
• Ignition time	≤ 6 seconds
• Shutdown time	30 - 60 seconds
• F.E.M. at 100 °C	≥ 2 mV
• Resistance	= 9 + (0.015 x L) ± 4 mΩ
• Maximum tip temperature	600 °C



T60 - 200 series thermocouple packed with 4 connectors (M10x1, 7/16", M8x1 - M9x1 milled, 11/32" - M10x1 milled); ø6x8.5 and ø6x17.5 bushes, 2 adapter rings, ø6x7.5 and ø6x2.5 spacers

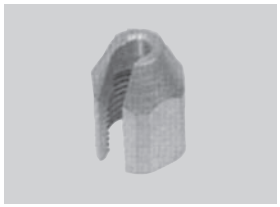
CODE	Length (mm)
0.208.002	900
0.208.004	1,200

ACCESSORIES



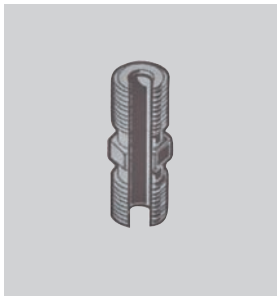
Extension

CODE	Length (mm)	Connectors	Conductor
0.218.101	600	F M9x1 - M9x1	Copper capillary
G.1.707.305	400	F M10x1	Copper capillary
G.1.707.201	500	F M9x1	Copper capillary
G.1.707.301	500	F M10x1	Copper capillary
G.1.707.205	600	F M9x1	Copper capillary
G.1.707.202	1,000	F M9x1	Copper capillary
G.1.707.209	1,000	F M9x1 - M9x1	Copper capillary
G.1.707.302	1,000	F M10x1	Copper capillary
G.1.707.402	1,000	ASA	Copper capillary
G.1.707.204	1,500	F M9x1	Copper capillary



Adapter fix

CODE	Feature
G6.032.015	M10x1



Milled Connector

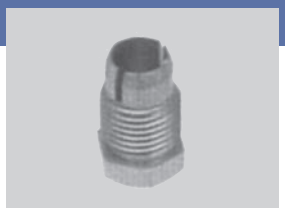
CODE	Feature
0.974.089	M8x1 - M9x1
0.974.090	M10x1 - 11/32
0.974.116	M9x1 - 11/32
G6.032.017	M10x1 - 11/32
G6.032.021	M9x1 - 11/32
G6.032.027	M10x1 - M8x1

Milled Connector

CODE	Feature
G6.032.009	M10x1
G6.032.010	M9x1
G6.032.011	M8x1
G6.032.012	11/32

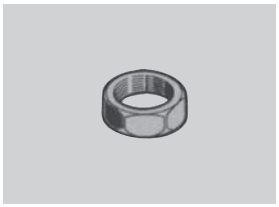
Connector

CODE	Feature
G6.032.014	M11x1



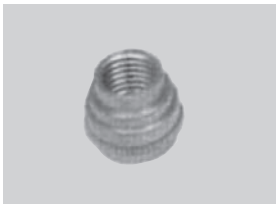
Connector

CODE	Feature
G6.032.013	M10x1



Nut for tc threaded sleeve

CODE	Feature
0.992.014	M8x1



Threaded bush

CODE	Feature
G6.059.001	M6x0.75

Threaded bush hexagon

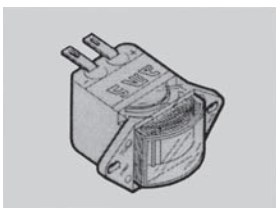
CODE	Feature
G6.059.008	#9 M6x0.75

Milled bush

CODE	Feature
G6.059.003	ø 6.5x7.5

Spacer

CODE	Feature
G6.059.002	ø 6.5x20

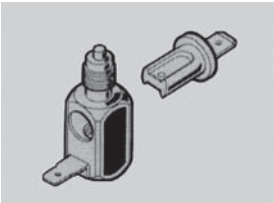


Display

CODE
0.926.106

Interrupted connector

CODE	Feature
0.974.401	M8x1 - F M8x1
0.974.402	M9x1 - F M9x1
0.974.403	M10x1 - F M10x1
0.974.404	11/32 - F 11/32
0.974.406	M9x1 - F 11/32

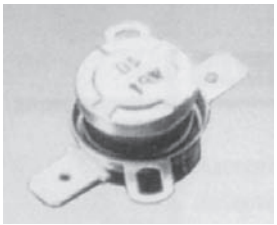


Display connector

CODE	Feature
0.974.070	M9x1 - F M9x1

Connector

CODE	Feature
0.974.409	M9x1 - F M9x1



Bimetal thermostat, gold contacts, normally closed

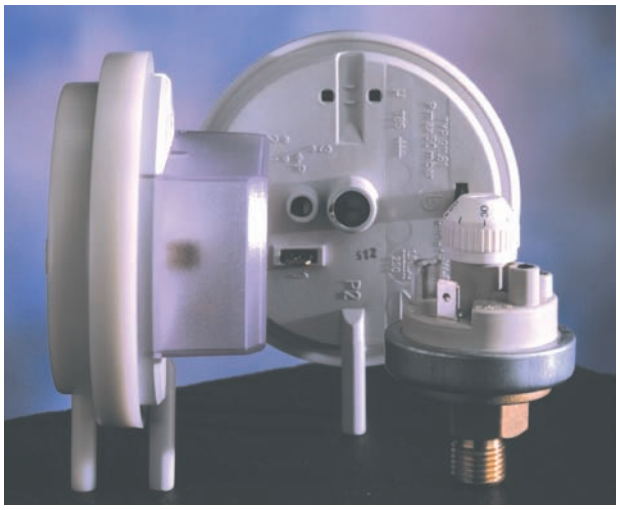
CODE	Opening Temperature (°C)
G6.070.001	+75±5°
G6.070.015	+80±5°
G6.070.016	+90±5°
G6.070.002	+95±5°
G6.070.003	+105±5°
G6.070.004	+110±5°

Bimetal thermostat, silver contacts, normally closed

CODE	Opening Temperature (°C)
G6.070.007	+55±5°
G6.070.009	+80±5°
G6.070.012	+95±5°
G6.070.013	+105±5°

TECHNICAL FEATURES

Pressure Switches



310 GAS

340 AQUA

360 PRESCAL

380 ARIA

310 GAS

MAIN FEATURES

Compact gas pressure switch designed to monitor gas pressure and activate switch contacts accordingly. The pressure switch can be used autonomously or integrated into a multi-functional gas control.

TECHNICAL DATA

• Maximum operating pressure	150 mbar	• AgCdO contacts	6 (1.5)A / 250 V~
• Ambient temperature	0...85°C	• Gold-plated contacts	< 0.1 A / 24 V =
• Trip setting tolerance	± 10%	• Electrical connections	male AMP connectors
• Reset setting tolerance	± 10% of trip setting		6.3 x 0.8 DIN 46244
• Mounting position	any position		
• For use with	1st, 2nd & 3rd gas families		

ACCESSORIES

N.	Code	Description	Q.ty
1	0.904.331	Cover IP 44 with screws	100

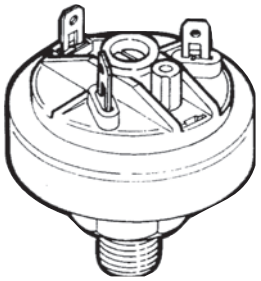
CODES

Codes	PRESSURE ADAPTER (BASE)	SETTING RANGE (mbar) TRIP/RESET	COLOR IDENTIFICATION	CONTACT: MATERIAL & TYPE	GROUND CONTACT	SIT LOGO	RUBBER SLEEVE FOR CONTACT PROTECTION
0310004	PLASTIC BM (SPECIAL)	13,5±1,5 / 10±1,5	YELLOW	AgNi WITHOUT N.C. CONTACT	NO	YES	NO
0310006	BRASS M10x1 with restrictor (ø 0.3) and filter	6+2-0 / 4+2-0	YELLOW	AgCDO WITH N.C. CONTACT	NO	YES	YES
0310012	BRASS G 1/4 with restrictor (ø 0.3) and filter	8±1 / 5,5±1	RED	AgCDO WITH N.C. CONTACT	NO	YES	YES
0310015	PLASTIC GASTECNIC (SPECIAL)	5±1 / 2±1	ORANGE	GOLD WITHOUT N.C. CONTACT	NO	YES	NO
0310016	BRASS G 1/8 with restrictor (ø 0.3) and filter	16±1 / 12±1	BLACK	AgCDO WITHOUT N.C. CONTACT	NO	YES	NO
0310019	BRASS G 1/4 with restrictor (ø 0.3) and filter	4.9±1 / 2±1	BLACK	AgCDO WITH N.C. CONTACT	NO	YES	NO
0310020	BRASS G 1/4 with restrictor (ø 0.3) and filter	16±1,5 / 13±1,5	BLACK	AgCDO WITH N.C. CONTACT	NO	YES	YES
0310027	BRASS G 1/4 with restrictor (ø 0.3) and filter	11±1 / 8±1	GREEN	AgCDO WITHOUT N.C. CONTACT	NO	YES	NO
0310031	BRASS G 1/8 with restrictor (ø 0.3) and filter	17+0-2 / 13+1,5-0	BLACK	AgCDO WITH N.C. CONTACT	NO	YES	NO
0310033	BRASS G 1/4 with restrictor (ø 0.3) and filter	13±1 / 10±1	RED	AgCDO WITH N.C. CONTACT	NO	YES	NO
0310037	BRASS G 1/4 with restrictor (ø 0.3) and filter	10±1 / 5±1	GREEN	AgCDO WITHOUT N.C. CONTACT	NO	YES	NO
0310039	BRASS G 1/4 with restrictor (ø 0.3) and filter	31±1 / 26±1	RED	AgCDO WITH N.C. CONTACT	NO	YES	NO

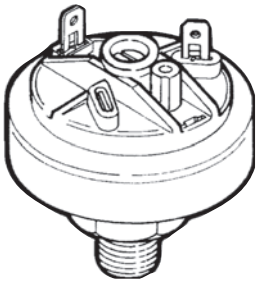
Codes	PRESSURE ADAPTER (BASE)	SETTING RANGE (mbar) TRIP/RESET	COLOR IDENTIFICATION	CONTACT: MATERIAL & TYPE	GROUND CONTACT	SIT LOGO	RUBBER SLEEVE FOR CONTACT PROTECTION
0310042	BRASS M10x1 with restrictor (ø 0.3) and filter	14±1 / 10+2.9-0	BLACK	AgCDO WITHOUT N.C. CONTACT	NO	YES	NO
0310043	BRASS G 1/4 with restrictor (ø 0.3) and filter	16.5±1 / 11,5±1	BLUE	AgCDO WITH N.C. CONTACT	NO	YES	YES

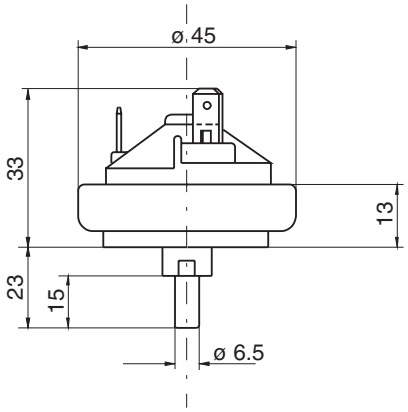
CONFIGURATION

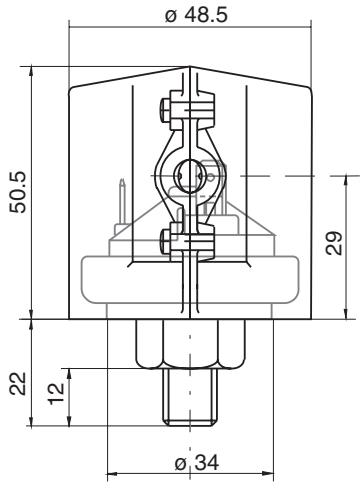
With N.C. contact

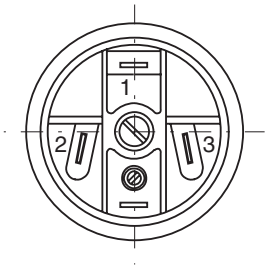


Without N.C. contact









340 AQUA

MAIN FEATURES

Compact water pressure switch particularly suitable for use in Combi-Boilers and many other pressure monitoring applications.

TECHNICAL DATA

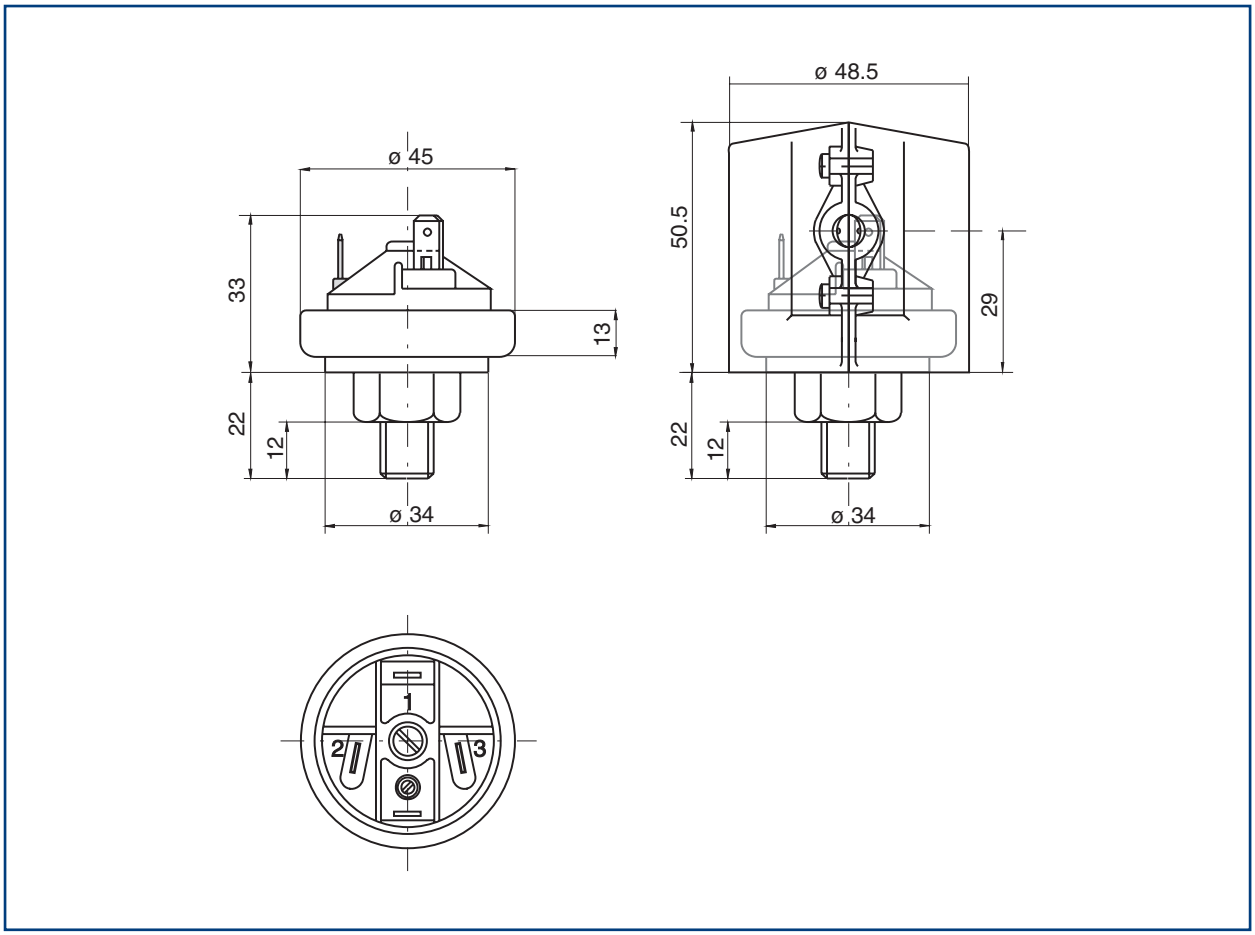
• Maximum operating pressure	15 bar	• Pressure connection	G 1/4, G 1/8, M 10x1 Other versions on request
• Ambient temperature	0...85°C		
• Trip setting tolerance	± 10%	• AgCdO contacts	6 (1.5)A / 250 V~
• Reset setting tolerance	± 10% of trip setting	• Gold-plated contacts	< 0.1 A / 24 V =
• Mounting position	any position	• Electrical connections	male AMP connectors 6.3 x 0.8 DIN 46244

ACCESSORIES

N.	Code	Description	Q.ty
1	0.904.331	Cover IP 44 with screws	100

CODES

Codes	BASE	PRESSURE ADAPTER	SETTING RANGE (mbar)	COLOR IDENTIFI-CATION	CONTACT MATERIAL
0340002	BRASS TYPE 911	G 1/4	500 + 0 -100 / 300 + 100 - 0	BLACK	AgCdO with NC contact
0340003	BRASS TYPE 911	G 1/4	1000 ± 100 / 800 + 150 - 0	RED	AgCdO without NC contact
0340004	BRASS TYPE 911	G 1/4	450 ± 50 / 250 + 150 - 0	RED	GOLD without NC contact
0340007	BRASS TYPE 911	G 1/8	500+100-40 / 350+40-100	BLACK	AgCdO with NC contact
0340008	BRASS TYPE 911	G 1/4	600 ± 60 / 400 ± 60	RED	AgCdO with NC contact
0340009	BRASS TYPE 911	G 1/4	700 ± 60 / 500 ± 60	RED	GOLD with NC contact
0340010	BRASS TYPE 911	G 1/4	1000 ± 100 / 800 + 150 - 0	RED	GOLD without NC contact
0340011	BRASS TYPE 911	G 1/4	800 ± 80 / 600 ± 80	BLACK	AgCdO with NC contact
0340012	BRASS TYPE 911	G 1/4	1000 ± 100 / 800 + 150 - 0	BLACK	AgCdO with NC contact
0340014	PLASTIC BODY	Quick connection with OR	700 + 0-100 / 500 +100-0	BLACK	GOLD with N.1 + N.2 contacts only
0340015	BRASS TYPE 911	G 1/4	1000 ± 100 / 800 + 150 - 0	RED	GOLD without NC contact
0340016	BRASS TYPE 911	G 1/4	700 / 500	BLACK	AgCdO with NC contact
0340020	BRASS TYPE 911	G 1/8	500 ±40 / 350 ±40	BLACK	AgCdO with NC contact



360 PRESCAL

MAIN FEATURES

Gas pressure switch with adjustable trip pressure suitable for various applications. The pressure switch can be used autonomously or integrated into the multi-functional gas control.

TECHNICAL DATA

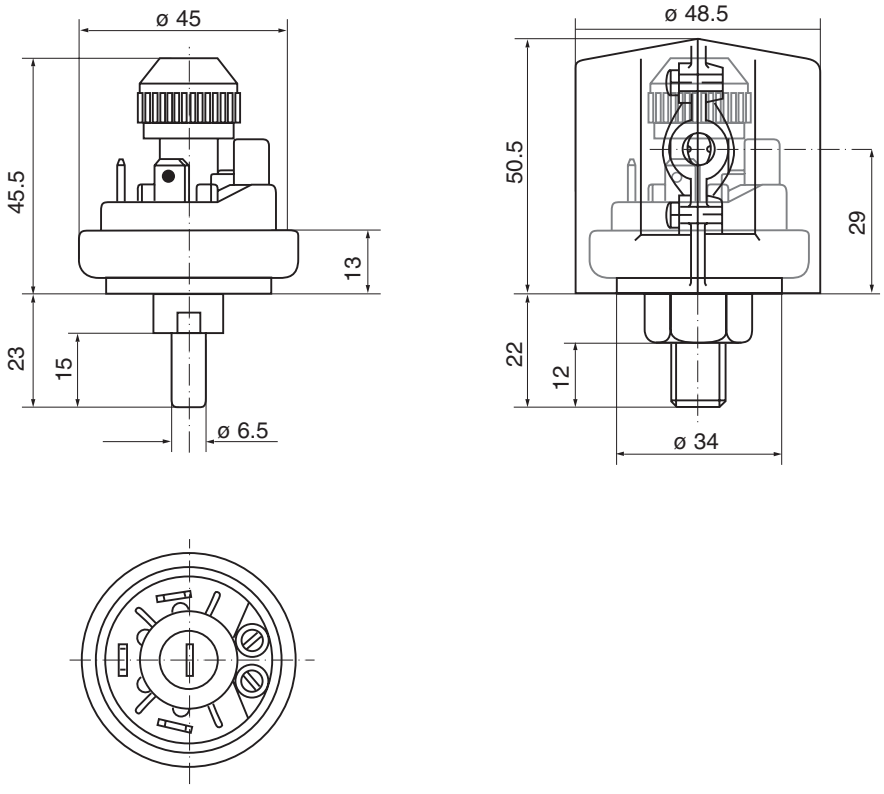
• Maximum operating pressure	150 mbar	• AgCdO contacts	6 (1.5)A / 250 V~
• Ambient temperature	0...85°C	• Gold-plated contacts	< 0.1 A / 24 V =
• Trip setting tolerance	± 10%	• Electrical connections	male AMP connectors
• Reset setting tolerance	± 10% of trip setting		6.3 x 0.8 DIN 46244
• Mounting position	any position		
• For use with	1st, 2nd & 3rd gas families		

ACCESSORIES

N.	Code	Description	Q.ty
1	0.904.329	Cover IP 44 with screws	100

CODES

Codes	BASE	PRESSURE ADAPTER	SETTING RANGE (mbar)	COLOR KNOB	CONTACT MATERIAL
0360001	BRASS TYPE 911	G 1/4	5÷20	WHITE	AgCdO with NC contact
0360002	BRASS TYPE 911	G 1/4	10÷50	WHITE	AgCdO with NC contact
0360003	BRASS TYPE 911	G 1/4	0,1÷0,5	WHITE	AgCdO with NC contact
0360006	BRASS TYPE 911	G 1/8	10÷50	WHITE	AgCdO with NC contact
0360008	BRASS TYPE 911	G 1/4	50÷250	WHITE	AgCdO with NC contact
0360012	BRASS TYPE 911	G 1/4	25÷100	WHITE	AgCdO with NC contact



380 ARIA

MAIN FEATURES

Differential air pressure switch suitable for use on all gas appliances with a fan forced combustion circuit.

TECHNICAL DATA

• Maximum operating pressure	50 mbar	• Standard mounting position	vertical diaphragm
• Ambient temperature	0...85°C	• AgCdO/AgNi contacts	1.5 (0.4)A / 250 V~
• Trip setting tolerance	± 10%	• Gold-plated contacts	< 0.1 A / 24 V =
• Reset setting tolerance	± 10% of trip value	• Electrical connections	male AMP connectors
• Pressure connections	for hose diameter ø 6 mm		6.3 x 0.8 DIN 46244

ACCESSORIES

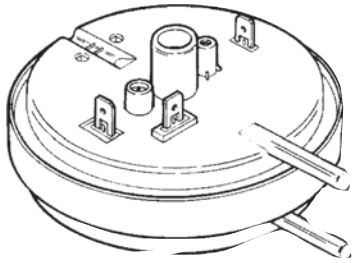
N.	Code	Description	Q.ty	N.	Code	Description	Q.ty
1	0.904.344	Plastic cover for 380 series with screws	100	3	0.978.401	Fixing bracket L type with screws	100
2	0.978.448	Fixing bracket L type with screws	100	4	0.978.402	Fixing bracket S type with screws	100

CODES

Codes	CONFIGURATION	SETTING RANGE (Pascal)	COLOR IDENTIFICATION - SEALING	CONTACT MATERIAL	RESTRICTOR	MOUNTING SCREWS
0380001	A	64±5 / 44±5 VERTICAL POSITION	YELLOW	AgNi	NO	YES
0380004	A	50±5 / 30±5 VERTICAL POSITION	BLACK	AgNi	NO	NO
0380005	A	104+10-0 / 78+10-0 30° POSITION	YELLOW	AgNi	NO	NO
0380006	A	100±10 / 73+7-8 30° POSITION	BLUE	AgNi	NO	NO
0380013	B	80±10 / 60±10 HORIZONTAL POSITION	NO IDENTIFICATION	AgCDO	NO	NO
0380014	A	59±5 / 39±5 VERTICAL POSITION	GREEN	AgCDO	NO	YES
0380018	B	44+10-5 / 29±7 VERTICAL POSITION	BLACK	AgCDO	NO	NO
0380019	B	64±5 / 44±5 VERTICAL POSITION	YELLOW	AgNi	NO	NO
0380020	A	44+10-5 / 29±7 VERTICAL POSITION	BLACK	AgCDO	NO	YES
0380021	A	64±5 / 44±5 VERTICAL POSITION	YELLOW	AgNi	NO	YES
0380022	A	NO CALIBRATION	NO COLOR - NO SEALED SCREWS	AgCDO	NO	NO
0380023	A	34±5 / 20±5 VERTICAL POSITION	ORANGE	AgCDO	NO	NO
0380028	A	181+15-0 / 167+15-0 VERTICAL POSITION	WHITE	AgCDO	NO	NO
0380029	A	100+15-0 / 80+15-0 VERTICAL POSITION	YELLOW	AgCDO	NO	NO
0380033	A	39±5 / 25+10-5 VERTICAL POSITION	NO IDENTIFICATION	AgNi	NO	YES
0380036	A	75±5 / 60±5 VERTICAL POSITION	WHITE	AgNi	NO	YES
0380037	A	105+8-2 / 90+8-2 VERTICAL POSITION	BLACK	AgNi	NO	YES
0380038	A	175+0-15 / 135+15-0 VERTICAL POSITION	YELLOW	AgNi	NO	YES
0380041	A	170±17 / 130±13 VERTICAL POSITION	YELLOW	AgNi	NO	YES
0380043	A	59±10 /42±10 HORIZONTAL POSITION	NO IDENTIFICATION	AgCDO	NO	YES
0380047	A	270±20 /215±15 VERTICAL POSITION	BLACK	AgNi	NO	YES
0380048	B	95±10 /65±10 VERTICAL POSITION	NO IDENTIFICATION	AgCDO	NO	NO
0380049	A	90±5 / 70+8-2 VERTICAL POSITION	RED	AgNi	NO	YES
0380053	A	340±20 / 285±15 VERTICAL POSITION	BLACK	AgNi	NO	YES
0380054	A	130+0-10 / 100+10-0 VERTICAL POSITION	NO IDENTIFICATION	GOLD	NO	NO
0380055	A	55±10 / 38±5 VERTICAL POSITION	LOCTITE SEALING ON SCREWS	AgNi	ø 0,5	YES
0380057	A	112±15 / 81±7 VERTICAL POSITION	RED	AgNi	NO	YES
0380059	A	MAX.103 / MIN.76 VERTICAL POSITION	LOCTITE SEALING ON SCREWS	AgNi	ø0,5	YES

Codes	CONFIGURATION	SETTING RANGE (Pascal)	COLOR IDENTIFICATION - SEALING	CONTACT MATERIAL	RESTRICTOR	MOUNTING SCREWS
0380060	A	75±5 / 55±5 VERTICAL POSITION	RED	AgNi	ø 0,5	NO
0380061	A	80±5 / 60±5 VERTICAL POSITION	GREEN	AgCDO	NO	YES
0380062	A	110+0-10 / 85+10-0 VERTICAL POSITION	NO IDENTIFICATION	GOLD	NO	NO
0380063	A	130-5+10 / 115±5 VERTICAL POSITION	RED	AgCDO	NO	NO
0380064	B	160±10 / 130±10 VERTICAL POSITION	NO IDENTIFICATION	AgCDO	NO	NO
0380065	B	MAX. 65 / MIN. 47 VERTICAL POSITION	GREEN	AgNi	NO	NO
0380066	A	150 Max / 120 Min VERTICAL POSITION	RED	AgNi	NO	YES
0380067	A	430+0-30 / 390+10-20 Diff.>=10 VERTICAL	GREEN	AgNi	NO	YES
0380069	A	Reset 74±8 Diff. 7 to 23 VERTICAL	RED	AgNi	NO	YES
0380070	A	Reset 135±10 Diff. 7 to 23 VERTICAL	YELLOW	GOLD	NO	YES
0380071	B	150±15 / 125±10 VERTICAL POSITION	NO IDENTIFICATION	AgCDO	NO	NO
0380072	A	150+0-10 / 120+10-0 VERTICAL POSITION	NO IDENTIFICATION	GOLD	NO	NO
0380073	A	34±5 / 20±5 VERTICAL POSITION	ORANGE	AgCDO	NO	YES
0380076	A	130±10 /100±10 30° POSITION	BLUE	AgNi	NO	NO
0380080	A	140±10 / 105+15-0 VERTICAL POSITION	NO IDENTIFICATION	AgCDO	NO	YES
0380081	A	300+0-20 / 210+20-0 VERTICAL POSITION	NO IDENTIFICATION	AgNi	NO	YES
0380083	A	205±20 /162±15 30° POSITION	RED	AgNi	NO	NO
0380084	A	Trip 120 ±10 Diff. 20 Max. VERTICAL	GREEN	AgNi	NO	YES
0380088	A	59±5 / 39±5 VERTICAL POSITION	GREEN	AgCDO	ø 0,5	YES
0380092	A	120+10-5 / 105+5-10 VERTICAL POSITION	RED	AgNi	ø 0,5	NO
0380093	B	MAX 65 / MIN 47 HORIZONTAL POSITION	GREEN	AgNi	NO	NO
0380095	A	100±5 / 80±5 VERTICAL POSITION	NO IDENTIFICATION	AgNi	NO	YES
0380096	A	65±5 / 50±5 VERTICAL POSITION	Violet	AgNi	NO	YES
0380099	B	205±15 / 120±10 VERTICAL POSITION	NO IDENTIFICATION	AgCDO	NO	NO

CONFIGURATIONS



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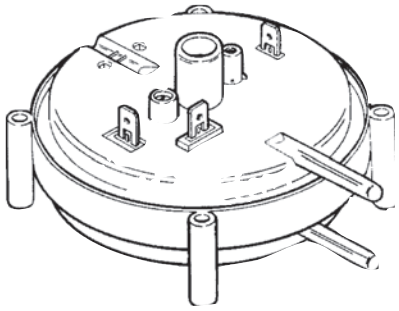

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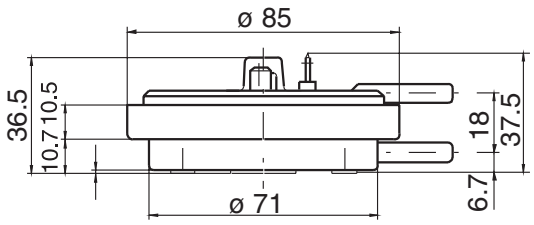
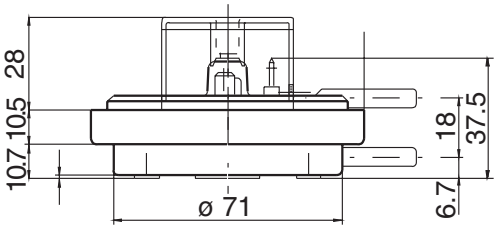
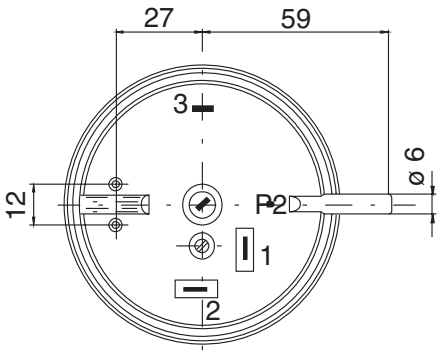
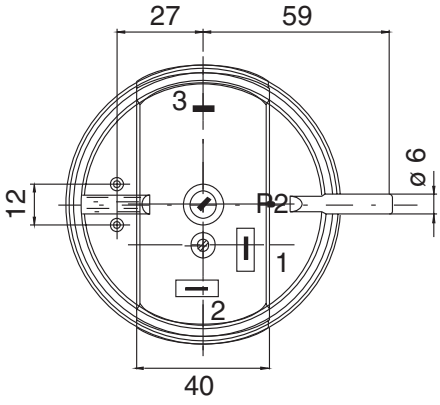


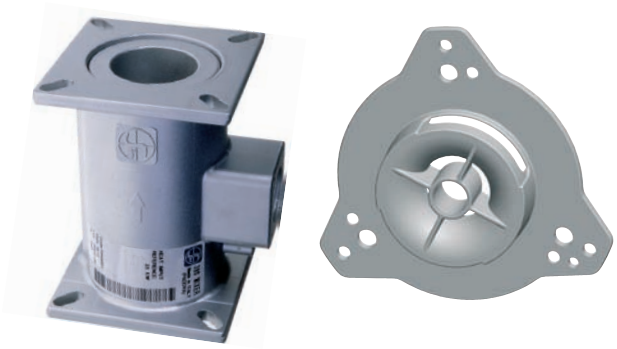






TECHNICAL FEATURES

Gas air Mixer



390 Mixer

391 AGM

390 MIXER

MAIN FEATURES

Fan assisted gas fired appliances with premix burner.
390 MIXER is particularly suitable for modulating condensing boilers.
Four heat-input models.
Wide modulation range.

TECHNICAL DATA

• Ambient temperature range		-20 to + 100 C°
• Air inlet		Square flange with 4 slotted holes for M5 screws
	or:	Quick connection ø 54 mm
	or:	Connection ø 50 mm
• Mixture outlet		Square flange with 4 slotted holes for M5 screws
	or:	Circular flange with 6 holes ø 6.5 mm
	or:	Circular flange with 9 holes ø 6.5 mm
• Gas inlet		G 3/4 ISO 228
	or:	Rp 1/2 ISO 7
	or:	M4 (4) Flanges
	or:	Quick connection ø 20 mm
• Air signal		ø 6.5 mm
• Mounting Position		Downstream of the fan
• Gas families		2^{nd} and 3^{rd}

CODES

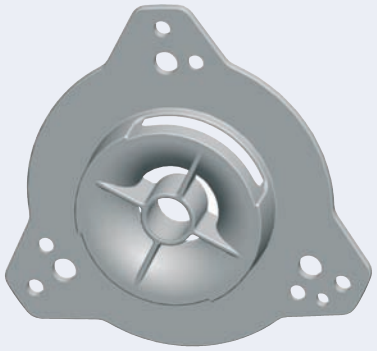
Codes	MAXIMUM HEAT INPUT	AIR INLET (FAN CONNECTION)	GAS INLET (CONTROL CONNECTION)	MIXTURE OUTLET (BURNER CONNECTION)	AIR SIGNAL
0390001	25 kW	Square flange with 4 slots for M5 screw	Square flange with 4 holes for M4 screw	Square flange with 4 slots for M5 screw	Ø 6.5mm tube connection
0390002	25 kW	Square flange with 4 slots for M5 screw	G 3/4 ISO 228 (Male)	Square flange with 4 slots for M5 screw	Ø 6.5mm tube connection
0390003	25 kW	Square flange with 4 slots for M5 screw	Rp 1/2 ISO 7 (Female)	Square flange with 4 slots for M5 screw	Ø 6.5mm tube connection
0390005	35 kW	Square flange with 4 slots for M5 screw	Square flange with 4 holes for M4 screw	Square flange with 4 slots for M5 screw	Ø 6.5mm tube connection
0390006	35 kW	Square flange with 4 slots for M5 screw	G 3/4 ISO 228 (Male)	Square flange with 4 slots for M5 screw	Ø 6.5mm tube connection
0390007	35 kW	Square flange with 4 slots for M5 screw	Rp 1/2 ISO 7 (Female)	Square flange with 4 slots for M5 screw	Ø 6.5mm tube connection
0390009	25 kW	Without flange (Ø 54mm quick connection)	G 3/4 ISO 228 (Female nut)	Flangia circolare con 6 fori Ø6.5 mm	Closed
0390012	25 kW	Square flange with 4 slots for M5 screw	G 3/4 ISO 228 (Female nut)	Square flange with 4 slots for M5 screw	Ø 6.5mm tube connection
0390013	35 kW	Square flange with 4 slots for M5 screw	G 3/4 ISO 228 (Female nut)	Square flange with 4 slots for M5 screw	Ø 6.5mm tube connection
0390018	35 kW	Silencer Connector	Special for Remeha	Round flange with 9 holes Ø6.5 mm	without
0390019	25 kW	Without flange (Ø 54mm quick connection)	G 3/4 ISO 228 (Female nut)	Round flange with 9 holes Ø6.5 mm	Ø 6.5mm tube connection
0390020	35 kW	Without flange (Ø 54mm quick connection)	G 3/4 ISO 228 (Female nut)	Round flange with 9 holes Ø6.5 mm	Ø 6.5mm tube connection
0390023	35 kW	Silencer Connector	G 3/4 ISO 228 (Female nut)	Round flange with 9 holes Ø6.5 mm	without
0390028	25 kW	Silencer Connector	D. 20 hole (Quick connection)	Round flange with 9 holes Ø6.5 mm	without
0390029	35 kW	Silencer Connector	D. 20 hole (Quick connection)	Round flange with 9 holes Ø6.5 mm	without
0390030	60 kW	Silencer Connector	D. 20 hole (Quick connection)	Round flange with 9 holes Ø6.5 mm	without
0390031	11 kW	Square flange with 4 slots for M5 screw	D. 20.2 hole (attacco rapido)	Square flange with 4 slots for M5 screw	Ø 6.5mm tube connection
0390032	11 kW	Without flange (Ø 54mm quick connection)	G 3/4 ISO 228 (Female nut)	Round flange with 9 holes Ø6.5 mm	Ø 6.5mm tube connection

Codes	MAXIMUM HEAT INPUT	AIR INLET (FAN CONNECTION)	GAS INLET (CONTROL CONNECTION)	MIXTURE OUTLET (BURNER CONNECTION)	AIR SIGNAL
0390035	11 kW	Silencer Connector	ø 20 hole (Quick connection)	Round flange with 9 holes Ø6.5 mm	without
0390036	60 kW	Silencer Connector	G 3/4 ISO 228 (Female nut)	Round flange with 9 holes Ø6.5 mm	without
0390038	25 kW	Silencer Connector	G 3/4 ISO 228 (Female nut)	Round flange with 9 holes Ø6.5 mm	without

391 AGM

MAIN FEATURES

Fan-assisted gas-fired appliance with premix burner.
The AGM system is particularly suitable for modulating condensing boilers.



TECHNICAL DATA

• Ambient temperature	-20 to + 80 C°
• Air inlet and mixture outlet	M5 (4) Flanges
• Fan connection	3 holes M 4 on a pitch diameter of 100 mm and 3 holes M 6 on a pitch diameter of 80 mm are provided for making the connection to any of the fans commonly available on the market with M6 screws
• Gas injection	designed for metal pipes with an outer diameter of $12^{+0.07}_{+0.02}$ for positioning inside the cylindrical injection holder
• Assembly position	downstream of the fan
• Gas families	2nd and 3rd

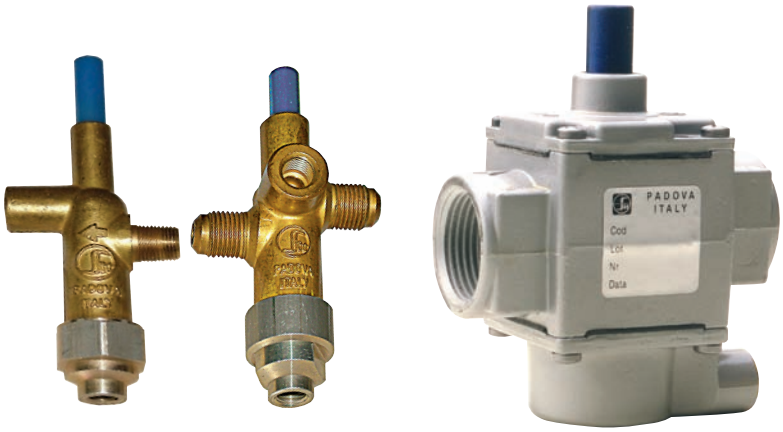
CODES

Codes	FAN CONNECTION	PLASTIC AIR INFLOW ADJUSTING RING	Flange Version	Gas Inlet	Injector (mm)	OR inlet on box	Screw on Box
0391001	Standard (3 holes for M6 screw on a 100mm diameter)	20% Low power (yellow color)					
0391002	Standard (3 holes for M6 screw on a 100mm diameter)	40% Low power (orange color)					
0391003	Standard (3 holes for M6 screw on a 100mm diameter)	60% Low power (fuchsia color)					
0391004	Standard (3 holes for M6 screw on a 100mm diameter)	80% Low power (red color)					
0391005	Standard (3 holes for M6 screw on a 100mm diameter)	100% Low power (green color)					
0391006	Standard (3 holes for M6 screw on a 100mm diameter)	100% Hi power (blue color)					
0391007	Standard (3 holes for M6 screw on a 100mm diameter)	0% Low power (White color) (without slot)					
0391008	Special for MVL RG 100 fan	20% Low power (yellow color)					
0391010	Special for MVL RG 100 fan	60% Low power (fuchsia color)					
0391011	Special for MVL RG 100 fan	80% Low power (red color)					
0391012	Special for MVL RG 100 fan	100% Low power (green color)					
0391013	Special for MVL RG 100 fan	100% Hi power (blue color)					
0391015	Standard (3 holes for M6 screw on a 100mm diameter)	without					
0391017	Standard (3 holes for M6 screw on a 100mm diameter) with PDP	60% Low power (fuchsia color)					
0391018	Standard (3 holes for M6 screw on a 100mm diameter) with PDP	80% Low power (red color)					
0391022	Standard (3 holes for M4 screw on a 100mm diameter)	100% Hi power (blue color)					
0391023	Standard (3 holes for M4 screw on a 100mm diameter)	100% Hi power (green color)					
0391024	Standard (3 holes for M4 screw on a 100mm diameter)	80% Low power (label red color)					
0391025	Standard (3 holes for M4 screw on a 100mm diameter)	60% Low power (label fuchsia color)					
0391026	Standard (3 holes for M4 screw on a 100mm diameter)	40% Low power (label orange color)					
0391027	Standard (3 holes for M4 screw on a 100mm diameter)	20% Low power (label yellow color)					
0391028	Standard (3 holes for M4 screw on a 100mm diameter)	0% Low power (label White color) (without slot)					
0391029	Standard (3 holes for M4 screw on a 100mm diameter)	(label brown color)					
0391030	Special for MVL RG 100 fan	100% Hi power (blue color)					

Codes	FAN CONNECTION	PLASTIC AIR INFLOW ADJUSTING RING	Flange Version	Gas Inlet	Injector (mm)	OR inlet on box	Screw on Box
0391031	Special for MVL RG 100 fan	100% Hi power (green color)					
0391032	Special for MVL RG 100 fan	80% Low power (label red color)					
0391033	Special for MVL RG 100 fan	60% Low power (label fuchsia color)					
0391034	Special for MVL RG 100 fan	40% Low power (label orange color)					
0391035	Special for MVL RG 100 fan	20% Low power (label yellow color)					
0391036	Special for MVL RG 100 fan	0% Low power (label White color) (without slot)					
0391037	Special for MVL RG 100 fan	(label brown color)					
0391038	Standard (3 holes for M4 screw on a 100mm diameter)	60% Hi power (label grey color) (with tap)					
0391501	Flexicom & Airbox version	60% Low power (fuchsia color)	Straight	for standard flange valve	no	Yes	no
0391502	Flexicom & Airbox version	133% Hi power (blue color)	Straight	for standard flange valve	no	Yes	no
0391503	Flexicom & Airbox version	80% Low power (red color)	Side	for side outlet valve	no	Yes	N°30 M4x12
0391504	Flexicom & Airbox version	133% Hi power (blue color)	Side	for side outlet valve	no	Yes	N°30 M4x13
0391505	Flexicom & Airbox version	60% Low power (fuchsia color)	High	pipe inlet gas	no	no	no
0391506	Flexicom & Airbox version	133% Hi power (blue color)	High	pipe inlet gas	no	no	no
0391507	Flexicom & Airbox version	100% Low power (green color)	Straight	for standard flange valve	no	Yes	no
0391508	Flexicom & Airbox version	80% Low power (red color)	High	pipe inlet gas	no	no	no
0391509	Flexicom & Airbox version	40% Low power (orange color)	High	pipe inlet gas	no	no	no
0391510	Flexicom & Airbox version	0% Low power (White color) (without slot)	Side	for side outlet valve	no	Yes	N°30 M4x13
0391512	Flexicom & Airbox version	80% Low power (red color)	Straight	for standard flange valve	no	Yes	no

TECHNICAL FEATURES

Manual Controls



400 M1

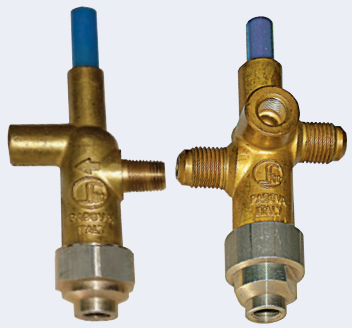
420 B3

440 D3

400 M1 - 420 B3

MAIN FEATURES

Thermoelectric flame supervision devices with push button with pilot outlet (B3 series) or without (M1 series), available in a wide range of gas connections.
Versions for high working temperature or pressure are available.



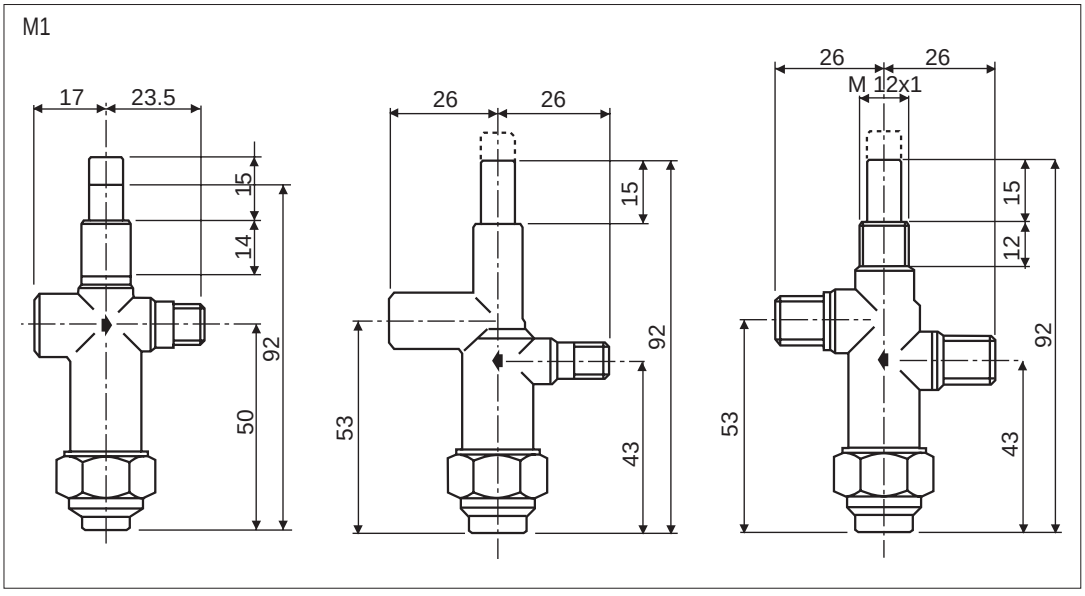
TECHNICAL DATA

• Ambient temperature		0 to + 80 C°
• Inlet and outlet gas connections		Rp 1/4 ISO 7
	or	Rp 1/8 ISO 7
	or	Rp 3/8 ISO 7
• Maximum gas inlet pressure		M1 series 150 mbar
		B3 series 50 mbar
• Assembly position		Any position
• Gas families		2nd and 3rd

CODES 400 M1

Codes	Inlet	Outlet	Thread under push botton	Push botton Color	Push botton Length	Magnet unit	Tc nut	Mark on magnet unit nut
0400006	Male thread - G1/4" for 8 mm i.d. olive	Male thread - G1/4" for 8 mm i.d. olive	Yes (M12x1)	Blue	Short (15 mm)	0006099 (High temp. 150°C norm. Press. 50 mbar)	M8x1	HT
0400007	Male thread - G3/8" for 10 mm i.d. olive	Male thread - G3/8" for 10 mm i.d. olive	Yes (M12x1)	Blue	Short (15 mm)	0006099 (High temp. 150°C norm. Press. 50 mbar)	M8x1	HT
0400031	Female thread - Rp1/8"	Male thread - R1/8"	Yes (M12x1)	Blue	Short (15 mm)	0006002 (norm. Temp. 80°C High press. 5 bar)	M8x1	HP
0400054	Female thread - Rp1/4"	Female thread - Rc1/4"	Yes (M12x1)	Blue	Short (15 mm)	0006002 (norm. Temp. 80°C High press. 5 bar)	M8x1	HP
0400057	male thread - G1/4" for 1/4" i.d. olive	Male thread - G1/4" for 1/4" i.d. olive	Yes (M12x1)	Blue	Short (15 mm)	0006002 (norm. Temp. 80°C High press. 5 bar)	M8x1	HP
0400059	Male thread - R1/8"	Female thread - M10x1	No	Blue	Short (15 mm)	0006002 (norm. Temp. 80°C High press. 5 bar)	M8x1	HP
0400061	male thread - G1/4" for 1/4" i.d. olive	Male thread - G1/4" for 1/4" i.d. olive	Yes (M12x1)	Blue	Short (15 mm)	2016102 (norm. Temp. 80°C norm. Press. 50 mbar)	M8x1	NT
0400072	Male thread - 1/8" NPT	Female thread - 1/8" NPT	No	Blue	Long (19 mm)	0006099 (High temp. 150°C norm. Press. 50 mbar)	M8x1	HT
0400074	Male thread - R1/8"	Female thread - Rc1/8"	Yes (M12x1)	Blue	Short (15 mm)	0006002 (norm. Temp. 80°C High press. 5 bar)	M8x1	HP
0400085	Male thread - R1/8"	Female thread - G1/8" for 6 mm i.d. olive	No	Blue	Short (15 mm)	0006099 (High temp. 150°C norm. Press. 50 mbar)	M8x1	HT
0400087	Male thread - G1/4" for 8 mm i.d. olive	Male thread - G1/4" for 8 mm i.d. olive	Yes (M12x1)	Blue	Short (15 mm)	0006002 (norm. Temp. 80°C High press. 5 bar)	M8x1	HP
0400088	Female thread - Rp1/8"	Male thread - R1/8" and inside M6x0.75	Yes (M12x1)	Blue	Short (15 mm)	0006099 (High temp. 150°C norm. Press. 50 mbar)	M8x1	HT

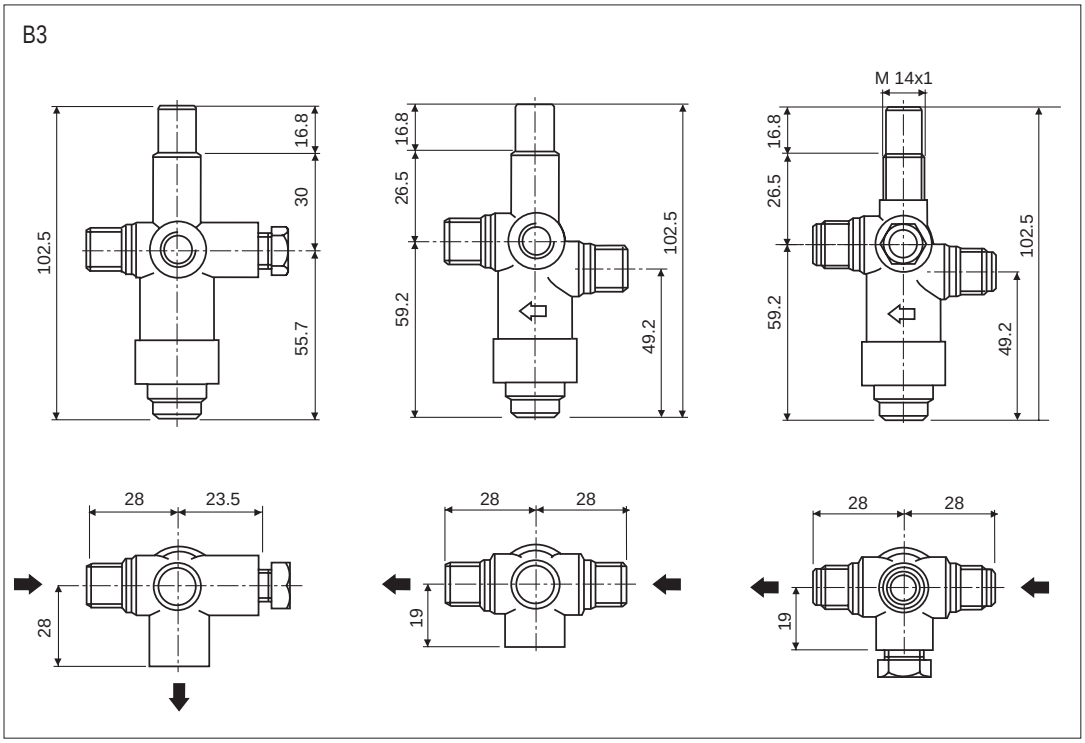
Codes	Inlet	Outlet	Thread under push botton	Push botton Color	Push botton Length	Magnet unit	Tc nut	Mark on magnet unit nut
0400091	male thread - G1/4" for 1/4" i.d. olive	Male thread - G1/4" for 1/4" i.d. olive	Yes (M12x1)	Blue	Short (15 mm)	0006002 (norm. Temp. 80°C High press. 5 bar)	11/32 ASA	HP
0400096	Male thread - G1/4" Bundy	Male thread - G1/4" Bundy	Yes (M12x1)	Blue	Short (15 mm)	0006002 (norm. Temp. 80°C High press. 5 bar)	M8x1	HP
0400097	Male thread - G3/8" for Bundy	Male thread - G3/8" Bundy	Yes (M12x1)	Red	Short (15 mm)	0006002 (norm. Temp. 80°C High press. 5 bar)	M8x1	HP
0400099	Male thread - 1/8" NPT	Male thread - 1/8" Npt and inside 1/4 - 32	No	Blue	Short (15 mm)	0006002 (norm. Temp. 80°C High press. 5 bar)	M8x1	20 PSI
0400100	Male thread - 1/8" NPT	Male thread - 1/8" Npt and inside 1/4 - 32	No	Blue	Long (19 mm)	0006002 (norm. Temp. 80°C High press. 5 bar)	M8x1	20 PSI



CODES 420 B3

Codes	Inlet	Outlet	Thread under push button	Tc connection	Pilot fitting	Note
0420003	Male thread - G1/4” Bundy	Male thread - G 1/4” Bundy	No	M9x1	M10x1 thread f 6 mm shear-off nut and olive	Max working pressu-re = 3bar
0420025	Male thread - G 3/8” Bundy	Male thread - G 3/8” Bundy	Yes (M14x1)	M9x1	M10x1 thread f 6 mm shear-off nut and olive	
0420038	Male thread - 3/8”	Female thread - Rp 1/4”	No	M9x1	M10x1 thread f 6 mm shear-off nut and olive	
0420040	Male thread - G 3/8” for 10mm i.d. olive	Male thread - G 3/8” for 10 mm i.d. olive	No	M9x1	No	
0420048	Female thread - Rp 1/4	Female thread - Rp 1/4”	No	M9x1	M10x1 thread f 1/4” mm shear-off nut and olive	
0420051	Male thread - G 3/8” Bundy	Male thread - G 3/8” Bundy	Yes (M14x1)	M9x1	No	

B3



440 D3

MAIN FEATURES

Thermoelectric flame supervision device with push button and pilot outlet with flow adjustment screw.

TECHNICAL DATA

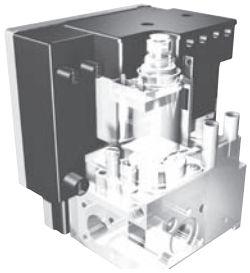
• Ambient temperature		0 to + 80 C°
• Inlet and outlet gas connections		Rp 1/2 ISO 7
	or	Rp 3/4 ISO 7
• Maximum gas inlet pressure		50 mbar
• Assembly position		Any position
• Gas families		2nd and 3rd

CODES

Codes	Body	Mounting pos.ff connection	Thread under push button	Tc connection	Pilot fitting
0440005	Threaded Rp3/4" x Rp3/4"	In line with main gas flow	Yes (M18x1)	M9x1	ø 6 mm shear-off nut
0440007	Threaded Rp3/4" x Rp3/4"	To the left of gas flow direction	Yes (M18x1)	M9x1	ø 6 mm shear-off nut
0440013	Threaded Rp1/2" x Rp1/2"	In line with main gas flow	Yes (M18x1)	M9x1	ø 6 mm shear-off nut
0440033	Threaded Rp3/4" x Rp3/4"	In line with main gas flow	Yes (M18x1)	M9x1	ø 1/4 mm shear-off nut
0440034	Threaded Rp1/2" x Rp1/2"	To the left of gas flow direction	Yes (M18x1)	M9x1	ø 1/4 mm shear-off nut

TECHNICAL FEATURES

Electronic Controls



503 EFD

537 ABC (EQUIVALENT TO 507 EFD)

577 DBC

579 DBC

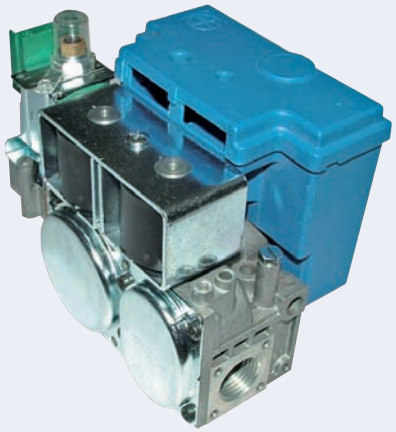
580 BIC

543 BIC

503 EFD

MAIN FEATURES

The 503 EFD is an electronic flame safety device for controlling a gas appliance using the principles of flame rectification.
The 503 EFD automatic device has been designed for domestic gas appliances with or without a fan in the combustion circuit, with direct ignition or ignition by means of an intermittent pilot in applications which require either non-volatile or volatile lockout. It is also possible to have two separate electrodes for flame ignition and detection or to have these two functions incorporated in a single electrode.
The 503 EFD family of products has been specifically designed for fixing on SIT 830, 836 and 837 TANDEM and SIT 822, 826 and 827 NOVA multifunctional controls by means of an exclusive plastic container which integrates itself with the valve body and simplifies connection of the solenoid valves.



The 503 EFD is an automatic ignition control for applications with intermittent operation in accordance with EN 298 for:
- boilers with natural draught
- boilers with forced draught including dynamic control of the air pressure switch.

Standard reference EN 298

TECHNICAL DATA

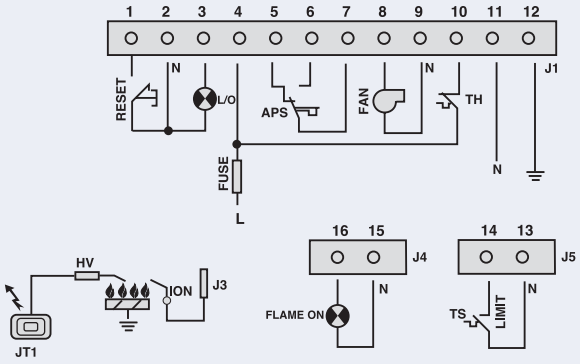
• Ambient working temperature	-20... to + 60 °C
• Humidity	95% max at 40 °C
• Supply voltage	220/240 Vac - 15%, + 10%, 50-60 Hz
• Power consumption	maximum 10 VA for versions without fan maximum 12 VA for versions with fan
• Electrical ratings	Pilot valve or main valve: 230 Vac, 0.5 A, $\cos\varphi \geq 0.4$ Fan: 230 Vac, 1 A, $\cos\varphi \geq 0.4$ Flame relay: 230 Vac, 0.5 A, $\cos\varphi \geq 0.4$ Alarm: 230 Vac, 1 A, $\cos\varphi = 1$
• Electrical connections	High voltage probe: male fast-on connector 2.8 x 0.5 mm Flame detection probe: Male fast-on connector 4.8 x 0.5 mm Other connections: male Molex series 2599 suitable for female Molex series 3001 and 3002 or compatible
• Protection degree	standard IP 40 IP 44 with gaskets
• Timing	Minimum waiting time Tw or purge time Tp: 1.5...40 sec. Maximum safety time Ts: 3...120 sec.
• Flame sensing	Minimum flame current: 0.5...2.5 µA (standard 0.5) Recommended flame current: > 3 times the minimum current
• Fusing	Internal: 4 A fast External: 3.15 A fast or less depending on the electrical loads. This fuse protects the device in the event of overloading or short circuits and prevents the intervention of the internal fuse
• Ignition	Ignition voltage: 15 KV at 30 pF load Repetition rate: 1 Hz...25 Hz (standard 25) Max length of the cable 2 m Spark gap recommended: 2-4 m
• Mounting	Integrated on SIT 830, 836, 837 TANDEM and SIT 822, 826, 827 NOVA multifunctional gas controls

CODES

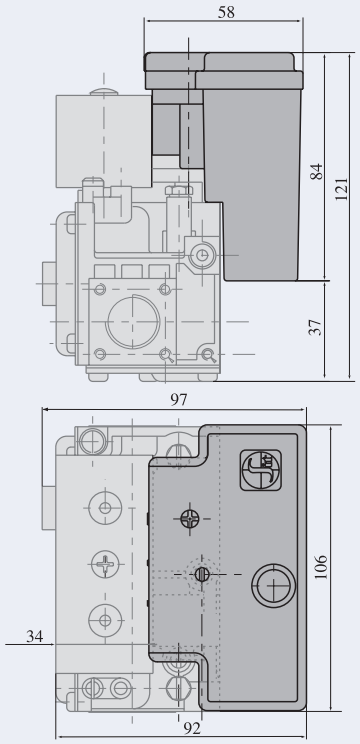
Codes	electrodes	waiting or purge time [s]	safety time [s]	connections for FAN/APS	lockout	ignition (*)	protection degree
0503001	2	30	10	no	volatile	DBI	IP 44
0503003	2	1.5	10	no	not volatile	DBI	IP 40
0503004	1	1.5	5	no	not volatile	DBI	IP 40
0503005	2	1.5	30	no	volatile	DBI	IP 20
0503006	2	1.5	7	no	volatile	DBI	IP 44
0503101	2	1.5	10	no	not volatile	DBI	IP 20
0503104	2	10	5	no	not volatile	DBI	IP 20
0503201	2	1.5	25	no	not volatile	IP	IP 40
0503204	1	1.5	60	no	volatile	IP	IP 20
0503501	2	10	5	yes	not volatile	DBI	IP 40
0503602	2	1.5	10	yes	not volatile	DBI	IP 20
0503603	2	1.5	10	yes	not volatile	DBI	IP 44
0503703	1	1.5	60	yes	volatile	IP	IP 44
0503901	2	30	5	yes	volatile	DBI	IP 44

(*) DBI: Direct burner ignition
IP: Ignition by intermittent pilot

ELECTRICAL CONNECTIONS



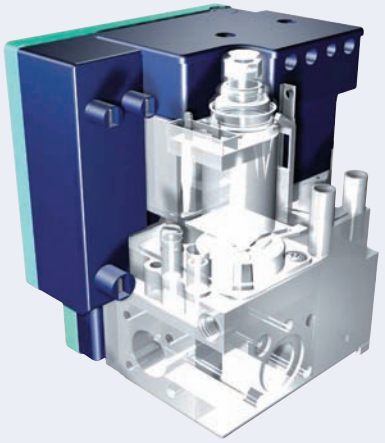
DIMENSIONS



537 ABC

MAIN FEATURES

The 537 ABC is an electronic flame safety device for controlling a gas appliance using the principles of flame rectification.
The 537 ABC automatic device has been designed for domestic gas appliances with or without a fan in the combustion circuit; with direct ignition or ignition by means of an intermittent pilot in applications which require either non-volatile or volatile lockout.
The 537 ABC family of products has been specifically designed for fixing on SIT 840, 845 and 848 SIGMA multifunctional controls by means of an exclusive plastic container which integrates itself with the valve body and simplifies connection of the solenoid valves.



The 537 ABC is an automatic ignition control for applications with intermittent operation in accordance with EN 298 for:
- boilers with natural draught
- boilers with forced draught including dynamic control of the air pressure switch.

Standard reference EN 298

TECHNICAL DATA

• Ambient working temperature	-20... + 60 °C
• Humidity	95% max. at 40 °C
• Supply voltage	230 Vac - 15%, + 10%, 50/60 Hz
• Power consumption	10 VA
• Electrical ratings	Gas valves: 230 Vac, 0.5 A, cosφ≥ 0.4 Fan: 230 Vac, 1 A, cosφ≥ 0.4 (optional) Alarm: 230 Vac, 1 A, cosφ=1
• Electrical connections	High voltage probe: male fast-on connectors 2.8 x 0.5 mm Flame detection probe: male fast-on connector 4.8 x 0.8 mm Other connections: male Molex series 2599 suitable for female Molex series 3001 and 3002 or compatible
• Protection degree	Standard IP 40 IP 44 with gaskets
• Timing	Minimum waiting time Tw or purge time Tp: 1.5...40 sec. Maximum safety time Ts: 3...60 sec.
• Flame sensing	Minimum flame current: 0.5 µA Recommended flame current: > 3 times the minimum current
• Fusing	Internal: 4 A fast not replaceable External: 3.15 A fast or less depending on the electrical loads. This fuse protects the device in the event of overloading or short circuits and prevents the intervention of the internal fuse.
• Ignition	Ignition voltage: 15 KV at 30 pF load Repetition rate: 25 Hz standard (1÷25 Hz) Max length of the cable 2 m Spark gap recommended: 2-4 m
• Mounting	Integrated on SIT SIGMA multifunctional gas controls

CODES

Codes	Equivalent code	Electrodes	Waiting or purge time [s]	Safety time [s]	Connections for FAN/APS	Flame relay	Ignition (*)	Lockout
0537001	0507001	3	1.5	10	no	no	DBI	not volatile
0537002	0507002	1	1.5	7.5	no	yes optocoupled	DBI	volatile
0537003	0507003	2	1.5	10	no	no	DBI	not volatile
0537005	/	2(**)	1.5	7.5	no	no	DBI	not volatile
0537007	/	1	1.5	5	no	yes optocoupled	DBI	volatile
0537008	/	3	1.5	10	no	no	DBI	volatile
0537009	/	3	1.5	5	no	no	DBI	not volatile
0537101	/	1	1.5	10	no	yes	DBI	not volatile
0537102	/	3	1.5	30	no	yes	DBI	volatile
0537103	/	1	1.5	10	no	yes	DBI	volatile
0537201	0507201	3	1.5	60	no	no	IP	not volatile
0537203	/	1	1.5	60	no	no	IP	not volatile
0537204	/	3	1.5	25	no	no	IP	not volatile
0537301	0507301	3	1.5	10	yes	no	DBI	volatile
0537304	0507304	3	1.5	10	yes	no	DBI	not volatile
0537305	0507305	1	1.5	5	yes	no	DBI	not volatile
0537307	/	3	1.5	5	yes	no	DBI	not volatile
0537309	/	3	10	10	yes	no	DBI	not volatile
0537401	0507401	3	1.5	10	yes	yes	DBI	not volatile
0537402	/	3	5	10	yes	yes	DBI	volatile
0537403	/	3	30	5	yes	yes	DBI	volatile
0537404	/	3	1.5	10	yes	yes	DBI	volatile
0537501	0507501	3	1.5	60	yes	no	IP	not volatile

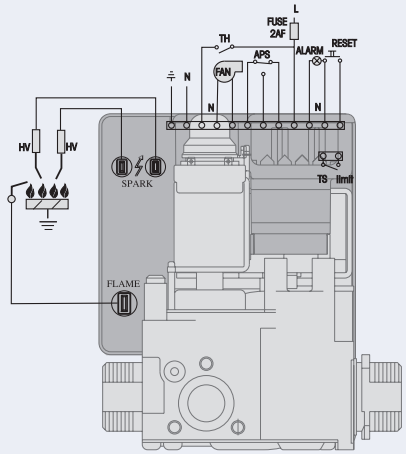
(*) DBI: Direct burner ignition (operate EV1 and EV2 simultaneously)
IP: Ignition by intermittent pilot (operate EV1 and EV2 separately)

(**) Spark electrode Ø 4mm

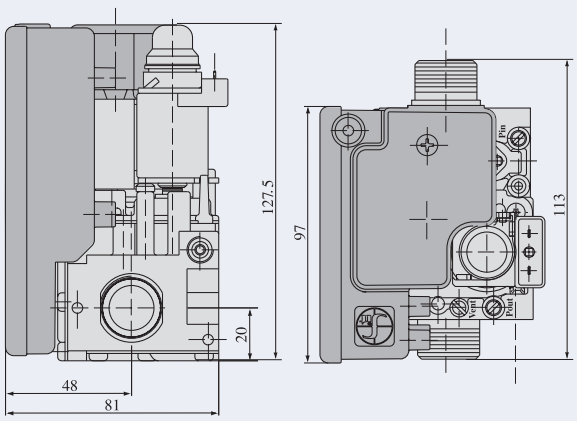
ACCESSORIES

N.	Code	Description	Q.ty	N.	Code	Description	Q.ty
1	0.948.074	Gasket (IP 44 protection)	100	3b	0.996.095	Housing molex 3001 (3 positions)	100
2	0.996.093	Terminal molex 3001	100	3c	0.996.096	Housing molex 3001 (9 positions)	100
3a	0.996.094	Housing molex 3001 (2 positions)	100	3d	0.996.097	Housing molex 3001 (12 positions)	100

ELECTRICAL CONNECTIONS



DIMENSIONS



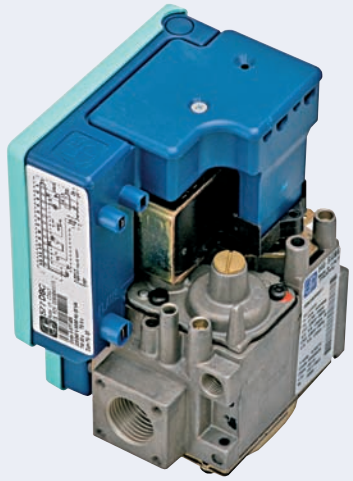
577 DBC

MAIN FEATURES

The 577 Digital Burner Control is a family of electronic devices with integrated functions for the safety and the control of combustion in home gas appliances and has the same functions of 537 ABC family, with which it is interchangeable.

The 577 DBC is dedicated in particular to boilers, water heaters and hot air generators with both natural draught and fan assisted burners.

The 577 DBC family of products has been specifically designed for fixing on SIT 840, 845 and 848 SIGMA multifunctional controls by means of an exclusive plastic box which integrates itself with the valve body and simplifies the connection of the solenoid valves.



CODES

Codes	Working temperature	PROBES	WAITING or PURGE TIME [s]	SAFETY TIME [s]	FAN and APS	FLAME RELAY	SPARK FREQUENCY
0577009	0°C - 60°C	One electrode for both ignition and detection	Without waiting or purge time	'5	NO (Atmospheric burners appliance)	NO	25 Hz
0577010	0°C - 60°C	One electrode for both ignition and detection	Without waiting or purge time	'5	NO (Atmospheric burners appliance)	NO	25 Hz
0577011	0°C - 60°C	2 separate probes (1 ignition + detection)	Without waiting or purge time	10	NO (Atmospheric burners appliance)	NO	25 Hz
0577101	0°C - 60°C	One electrode for both ignition and detection	1.5	10	NO (Atmospheric burners appliance)	YES (only with DBI version)	50 Hz
0577102	0°C - 60°C	One electrode for both ignition and detection	10	'5	NO (Atmospheric burners appliance)	YES (only with DBI version)	25 Hz
0577211	-10°C - 60°C	One electrode for both ignition and detection	Without waiting or purge time	55	YES (Fan assisted appliance)	YES (only with DBI version)	25 Hz
0577301	0°C - 60°C	3 separate probes (2 ignition + 1 detection)	1.5	10	YES (Fan assisted appliance)	NO	25 Hz
0577304	0°C - 60°C	3 separate probes (2 ignition + 1 detection)	1.5	10	YES (Fan assisted appliance)	NO	6 Hz
0577306	0°C - 60°C	One electrode for both ignition and detection	10	10	YES (Fan assisted appliance)	NO	25 Hz
0577307	0°C - 60°C	2 separate probes (1 ignition + detection with sense period)	1.5	6	YES (Fan assisted appliance)	NO	50 Hz
0577308	0°C - 60°C	One electrode for both ignition and detection	30	7	YES (Fan assisted appliance)	NO	25 Hz
0577309	0°C - 60°C	3 separate probes (2 ignition + 1 detection)	1.5	6	YES (Fan assisted appliance)	NO	25 Hz
0577310	0°C - 60°C	3 separate probes (2 ignition + 1 detection)	1.5	10	YES (Fan assisted appliance)	NO	25 Hz

LOCKOUT	RESET & LOCKOUT SIGNAL	BURNER IGNITION MODE	PROTECTION DEGREE	OVERTEMPERATURE SAFETY THERMOSTAT	POLARITY	INTERPURGE [s]	START ATTEMPTS
Not volatile	Internal only (switch)	DBI (operate EV1 and EV2 simultaneously)	IP 40	NO	NO Polarity dependency	10 sec	2
Not volatile	Internal only (switch)	DBI (operate EV1 and EV2 simultaneously)	IP 40	NO	NO Polarity dependency	NO interpurge (single start attempt)	1
Volatile	External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	NO	NO Polarity dependency	15 sec	3
Not volatile	External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	NO	Polarity dependency	15 sec	3
Not volatile	Internal only (switch)	DBI (operate EV1 and EV2 simultaneously)	IP 40	NO	NO Polarity dependency	10 sec	3
Not volatile	Internal only (switch)	DBI (operate EV1 and EV2 simultaneously)	IP 40	NO	NO Polarity dependency	5 sec	3
Not volatile	External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	YES (Normally closed switch in series with the gas valve)	Polarity dependency	10 sec	3
Not volatile	External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	YES (Normally closed switch in series with the gas valve)	Polarity dependency	15 sec	3
Volatile	External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	NO	NO Polarity dependency	10 sec	2
Not volatile	External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	NO	Polarity dependency	15 sec	3
Not volatile	External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	YES (Normally closed switch in series with the gas valve)	NO Polarity dependency	10 sec	3
Not volatile	External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	NO	NO Polarity dependency	15 sec	3
Not volatile	External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	YES (Normally closed switch in series with the gas valve)	Polarity dependency	10 sec	3

Codes	Working temperature	PROBES	WAITING or PURGE TIME [s]	SAFETY TIME [s]	FAN and APS	FLAME RELAY	SPARK FREQUENCY
0577311	0°C - 60°C	3 separate probes (2 ignition + 1 detection)	1.5	10	YES (Fan assisted appliance)	NO	6 Hz
0577404	0°C - 60°C	2 separate probes (1 ignition + detection)	10	'5	YES (Fan assisted appliance)	YES (only with DBI version)	50 Hz
0577405	0°C - 60°C	2 separate probes (1 ignition + detection)	10	'5	YES (Fan assisted appliance)	YES (only with DBI version)	25 Hz
0577406	0°C - 60°C	One electrode for both ignition and detection	10	'5	YES (Fan assisted appliance)	YES (only with DBI version)	25 Hz
0577408	0°C - 60°C	2 separate probes (1 ignition + detection with sense period)	15	5	YES (Fan assisted appliance)	YES (only with DBI version)	50 Hz
0577409	0°C - 60°C	3 separate probes (2 ignition + 1 detection)	3	5	YES (Fan assisted appliance)	YES (only with DBI version)	50 Hz
0577503	0°C - 60°C	One electrode for both ignition and detection	10	30	YES (Fan assisted appliance)	NO	25 Hz
0577504	0°C - 60°C	2 separate probes (1 ignition + detection)	'5	30	YES (Fan assisted appliance)	NO	25 Hz
0577601	0°C - 60°C	3 separate probes (2 ignition + 1 detection)	1.5	10	YES (Fan assisted appliance)	YES (Optocoupler interface for ECS)	25 Hz
0577602	0°C - 60°C	3 separate probes (2 ignition + 1 detection)	10	'5	YES FAN - NO APS	YES (Optocoupler interface for ECS)	50 Hz
0577603	0°C - 60°C	3 separate probes (2 ignition + 1 detection)	1.5	10	YES FAN - NO APS	YES (Optocoupler interface for ECS)	50 Hz
0577604	0°C - 60°C	3 separate probes (2 ignition + 1 detection)	1.5	10	YES FAN - NO APS	YES (Optocoupler interface for ECS)	50 Hz
0577701	0°C - 60°C	3 separate probes (2 ignition + 1 detection)	3	10	YES (Fan assisted appliance)	NO	12 Hz
0577702	0°C - 60°C	3 separate probes (2 ignition + 1 detection)	Without waiting or purge time	10	NO (Atmospheric burners appliance)	NO	12 Hz
0577703	0°C - 60°C	One for Detection (external ignitor)	3	10	YES (Fan assisted appliance)	NO	External ignitor
0577704	0°C - 60°C	One for Detection (external ignitor)	Without waiting or purge time	10	NO (Atmospheric burners appliance)	NO	External ignitor
0577705	0°C - 60°C	3 separate probes (2 ignition + 1 detection)	Without waiting or purge time	10	NO (Atmospheric burners appliance)	NO	External ignitor
0577706	0°C - 60°C	3 separate probes (2 ignition + 1 detection)	Without waiting or purge time	10	NO (Atmospheric burners appliance)	NO	External ignitor

LOCKOUT	RESET & LOCKOUT SIGNAL	BURNER IGNITION MODE	PROTECTION DEGREE	OVERTEMPERATURE SAFETY THERMOSTAT	POLARITY	INTERPURGE [s]	START ATTEMPTS
Not volatile	External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	YES (Normally closed switch in series with the gas valve)	Polarity dependency	15 sec	3
Not volatile	External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	NO	NO Polarity dependency	10 sec	3
Not volatile	External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	NO	NO Polarity dependency	10 sec	3
Not volatile	External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	NO	NO Polarity dependency	10 sec	2
Not volatile	External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	NO	NO Polarity dependency	15 sec	2
Volatile	External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	NO	NO Polarity dependency	10 sec	3
Not volatile	External only	Intermittent pilot (operate EV1 and EV2 separately)	IP 44	YES (Normally closed switch in series with the gas valve)	NO Polarity dependency	10 sec	5
Not volatile	External only	Intermittent pilot (operate EV1 and EV2 separately)	IP 44	NO	NO Polarity dependency	NO interpurge (single start attempt)	1
Not volatile	External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	NO	Polarity dependency	NO interpurge (single start attempt)	1
Not volatile	External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	YES (Normally closed switch in series with the gas valve)	Polarity dependency	10 sec	3
Not volatile	External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	YES (Normally closed switch in series with the gas valve)	Polarity dependency	10 sec	3
Not volatile	External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	YES (Normally closed switch in series with the gas valve)	Polarity dependency	10 sec	3
Not volatile	Serial comunication	DBI (operate EV1 and EV2 simultaneously)	IP 40	YES (Normally closed switch in series with the gas valve)	Polarity dependency	NO interpurge (single start attempt)	1
Not volatile	Serial comunication	DBI (operate EV1 and EV2 simultaneously)	IP 40	YES (Normally closed switch in series with the gas valve)	Polarity dependency	NO interpurge (single start attempt)	1
	Serial comunication	DBI (operate EV1 and EV2 simultaneously)	IP 40	YES (Normally closed switch in series with the gas valve)	Polarity dependency	NO interpurge (single start attempt)	1
	Serial comunication	DBI (operate EV1 and EV2 simultaneously)	IP 40	YES (Normally closed switch in series with the gas valve)	Polarity dependency	NO interpurge (single start attempt)	1
Not volatile	Serial comunication	DBI (operate EV1 and EV2 simultaneously)	IP 40	YES (Normally closed switch in series with the gas valve)	Polarity dependency	NO interpurge (single start attempt)	1
Not volatile	Serial comunication	DBI (operate EV1 and EV2 simultaneously)	IP 40	YES (Normally closed switch in series with the gas valve)	Polarity dependency	NO interpurge (single start attempt)	1

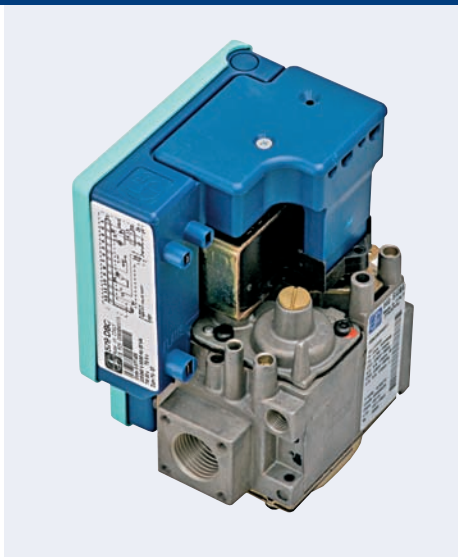
579 DBC

MAIN FEATURES

The 579 Digital Burner Control is a family of electronic devices with integrated functions for the safety and the control of combustion in home gas appliances and has the same functions of 537 ABC family, with which it is interchangeable.

The 579 DBC is dedicated in particular to boilers, water heaters and hot air generators with both natural draught and fan assisted burners.

The 579 DBC family of products has been specifically designed for fixing on SIT 840, 845 and 848 SIGMA multifunctional controls by means of an exclusive plastic box which integrates itself with the valve body and simplifies the connection of the solenoid valves.



CODES

Codes	Working temperature	PROBES	WAITING or PURGE TIME [s]	SAFETY TIME	FAN and APS	FLAME RELAY	SPARK FREQUENCY	LOCKOUT
0579011	-10°C - 60°C	2 separate probes (1 ignition + detection)	0	30	NO (Atmospheric burners appliance)	NO	25 Hz	Volatile
0579012	-10°C - 60°C	2 separate probes (1 ignition + detection with sense period)	1,5	30	NO (Atmospheric burners appliance)	NO	25 Hz	Volatile
0579013	-10°C - 60°C	2 separate probes (1 ignition + detection with sense period)	0	10	NO (Atmospheric burners appliance)	NO	25 Hz	Volatile
0579104	-10°C - 60°C	2 separate probes (1 ignition + detection)	0	5	NO (Atmospheric burners appliance)	YES (only with DBI version)	25 Hz	Volatile
0579105	-10°C - 60°C	2 separate probes (1 ignition + detection with sense period)	1,5	5	NO (Atmospheric burners appliance)	YES (only with DBI version)	50 Hz	Volatile
0579201	-10°C - 60°C	One electrode for both ignition and detection	5	30	NO (Atmospheric burners appliance)	NO	25 Hz	Not volatile
0579205	-10°C - 60°C	One electrode for both ignition and detection	0	10	NO (Atmospheric burners appliance)	YES	25	Volatile
0579311	-10°C - 60°C	3 separate probes (2 ignition + 1 detection)	1,5	10	YES (Fan assisted appliance)	NO	6 Hz	Not volatile
0579312	-10°C - 60°C	One electrode for both ignition and detection	10	5	YES (Fan assisted appliance)	NO	25 Hz	Not volatile

RESET & LOCKOUT SIGNAL	BURNER IGNITION MODE	PROTECTION DEGREE	OVERTEMPERATURE SAFETY THERMOSTAT	POLARITY	INTERPURGE [s]	START ATTEMPTS	Request separated from Power Line	POSTPURGE [s]
External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	NO	NO Polarity dependency	15 sec	3	NO	
External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	NO	Polarity dependency	NO interpurge (single start attempt)	1	NO	
External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	NO	NO Polarity dependency	15 sec	3	NO	
External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	NO	NO Polarity dependency	NO interpurge (single start attempt)	1	NO	
External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	NO	Polarity dependency	15 sec	3	NO	
On board	Intermittent pilot (operate EV1 and EV2 separately)	IP 44	YES (Normally closed switch in series with the gas valve)	Polarity dependency	10 sec	5	NO	
External only	Intermittent pilot (operate EV1 and EV2 separately)	IP 40	NO	NO Polarity dependency	0	6	YES (TM drive EV2)	
External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	YES (Normally closed switch in series with the gas valve)	Polarity dependency	15 sec	3	NO	
External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	YES (Normally closed switch in series with the gas valve)	Polarity dependency	10 sec	5	NO	

Codes	Working temperature	PROBES	WAITING or PURGE TIME [s]	SAFETY TIME	FAN and APS	FLAME RELAY	SPARK FREQUENCY	LOCKOUT
0579313	-10°C - 60°C	3 separate probes (2 ignition + 1 detection)	1,5	6	YES (Fan assisted appliance)	NO	50 Hz	Volatile
0579314	-10°C - 60°C	3 separate probes (2 ignition + 1 detection with sense period)	1,5	10	YES (Fan assisted appliance)	NO	25 Hz	Not volatile
0579400	-10°C - 60°C	3 separate probes (2 ignition + 1 detection)	45	5	YES (Fan assisted appliance)	YES (only with DBI version)	25 Hz	Volatile
0579403	-10°C - 60°C	3 separate probes (2 ignition + 1 detection)	30	5	YES (Fan assisted appliance)	YES (only with DBI version)	25 Hz	Volatile
0579405	-10°C - 60°C	2 separate probes (1 ignition + 1 detection)	30	5	YES (Fan assisted appliance)	YES (only with DBI version)	25 Hz	Not volatile
0579409	-10°C - 60°C	3 separate probes (2 ignition + 1 detection)	3	5	YES (Fan assisted appliance)	YES (only with DBI version)	50 Hz	Volatile
0579412	-10°C - 60°C	2 separate probes (1 ignition + detection)	10	5	YES (Fan assisted appliance)	YES (only with DBI version)	50 Hz	Volatile
0579413	-10°C - 60°C	2 separate probes (1 ignition + detection with sense period)	30	5	YES (Fan assisted appliance)	YES (only with DBI version)	50 Hz	Volatile
0579414	-10°C - 60°C	3 separate probes (2 ignition + 1 detection with sense period)	1,5	6	YES (Fan assisted appliance)	YES (only with DBI version)	50 Hz	Not volatile
0579415	-10°C - 60°C	2 separate probes (1 ignition + detection with sense period)	30	5	YES (Fan assisted appliance)	YES (only with DBI version)	25 Hz	Volatile
0579416	-10°C - 60°C	2 separate probes (1 ignition + detection with sense period)	30	5	YES (Fan assisted appliance)	YES (only with DBI version)	25 Hz	Not volatile
0579417	-10°C - 60°C	2 separate probes (1 ignition + detection with sense period)	30	5	YES (Fan assisted appliance)	YES (only with DBI version)	25 Hz	Volatile
0579418	-10°C - 60°C	3 separate probes (2 ignition + 1 detection)	1,5	5	YES (Fan assisted appliance)	YES (only with DBI version)	50 Hz	Not volatile
0579503	-10°C - 60°C	One electrode for both ignition and detection	30	30	YES (Fan assisted appliance)	NO	25 Hz	Not volatile

RESET & LOCKOUT SIGNAL	BURNER IGNITION MODE	PROTECTION DEGREE	OVERTEMPERATURE SAFETY THERMOSTAT	POLARITY	INTERPURGE [s]	START ATTEMPTS	Request separated from Power Line	POSTPURGE [s]
External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	NO	NO Polarity dependency	15 sec	3	NO	
External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	YES (Normally closed switch in series with the gas valve)	Polarity dependency	10 sec	3	NO	
External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	NO	Polarity dependency	NO interpurge (single start attempt)	1	NO	
External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	NO	Polarity dependency	NO interpurge (single start attempt)	1	NO	
External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	NO	NO Polarity dependency	10 sec	3	NO	
External only	DBI (operate EV1 and EV2 simultaneously)	IP40	NO	NO Polarity dependency	10 sec	3	NO	
External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	NO	NO Polarity dependency	10 sec	3	YES	3
External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	NO	Polarity dependency	15 sec	3	NO	
External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	NO	Polarity dependency	10 sec	3	NO	
External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	NO	Polarity dependency	0 sec	3	NO	
External only	DBI (operate EV1 and EV2 simultaneously)	IP 40	NO	Polarity dependency	30 sec	4	NO	
External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	NO	Polarity dependency	30 sec	3	NO	
External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	NO	Polarity dependency	10 sec	3	NO	
External only	Intermittent pilot (operate EV1 and EV2 separately)	IP 44	YES (Normally closed switch in series with the gas valve)	NO Polarity dependency	10 sec	5	NO	

Codes	Working temperature	PROBES	WAITING or PURGE TIME [s]	SAFETY TIME	FAN and APS	FLAME RELAY	SPARK FREQUENCY	LOCKOUT
0579506	-10°C - 60°C	3 separate probes (2 ignition + detection)	1,5	60	YES (Fan assisted appliance)	NO	25 Hz	Volatile
0579604	-10°C - 60°C	3 separate probes (2 ignition + 1 detection)	1,5	10	YES FAN, NO APS	Yes Optocoupler interface for ECS	50 Hz	Not volatile
0579801	-10°C - 60°C	1 detection	10	5	NO (Atmospheric burners appliance)	YES (only with DBI version)	External Ignitor	Not volatile

RESET & LOCKOUT SIGNAL	BURNER IGNITION MODE	PROTECTION DEGREE	OVERTEMPERATURE SAFETY THERMOSTAT	POLARITY	INTERPURGE [s]	START ATTEMPTS	Request separated from Power Line	POSTPURGE [s]
External only	Intermittent pilot (operate EV1 and EV2 separately)	IP 44	YES (Normally closed switch in series with the gas valve)	Polarity dependency	NO interpurge (single start attempt)	1	NO	
External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	YES (Normally closed switch in series with the gas valve)	Polarity dependency	10 sec	3	NO	
External only	DBI (operate EV1 and EV2 simultaneously)	IP 44	NO	Polarity dependency	10 sec	3	NO	

580 BIC

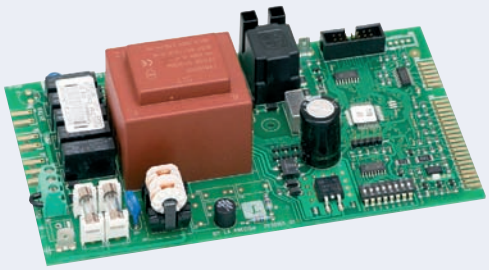
MAIN FEATURES

The 580 BIC is designed for mono-thermic or bi-thermic heat exchangers.

It has an on-board igniter and can be connected to either a LCD or LED display module.

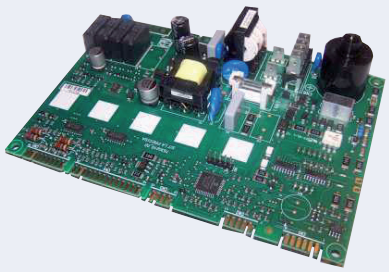
For the comfort of the domestic hot water firmware for an external hot water tank program is provided.

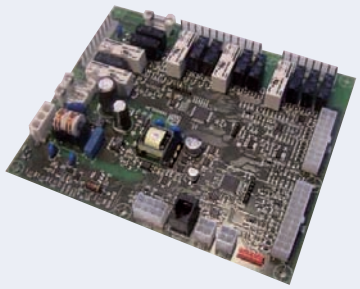
The control also includes a modulating fan in order for the efficiency of the boiler is guaranteed to be as high a possible. In order to verify the correct operation of the control a PC-diagnostics port is provided in the control.



CODES

Family / Code	pump modulation	outlet temperature	inlet temperture sensor	system temperature	outdoor temp	dhw temp	dhw thermostat	dhw inlet temp	dhw flow meter	dhw flow switch	water pressure sensor	water pressure switch	pump	3-way valve	dhw pump	fan control	ignition spark	ignition HSI	gascontrol	bus system
0580118	no	no	no	no	no	NTC	no	no	no	yes	no	yes	230Vac, 30W	stepper 24V	no	yes	yes	no	no	RS232 TTL
0580125	no	yes	no	no	no	NTC	yes	no	yes	yes	yes	yes	230Vac, 30W	230Vac	no	yes	yes	no	yes	RS232 TTL
0580126	no	yes	no	no	no	NTC	yes	no	yes	yes	yes	yes	230Vac, 30W	230Vac	no	yes	yes	no	yes	RS232 TTL
0580130	no	no	no	no	no	NTC	no	no	no	yes	no	yes	230Vac, 30W	230Vac	no	yes	yes	no	no	RS232 TTL
0580132	no	yes	no	no	no	no	no	no	no	yes	no	yes	230Vac, 30W	no	yes	yes	yes	no	yes	RS232 TTL
0580133	no	yes	no	no	yes	NTC	no	no	no	yes	no	yes	230Vac, 30W	230Vac	no	yes	yes	no	no	RS232 TTL
0580134	no	yes	no	no	no	NTC	no	no	yes	no	no	no	230Vac, 30W	stepper	no	yes	yes	no	no	RS232 TTL





display type	options	link to picture	connectors	dimensions	approval	mains voltage range	APS	flue sensor	price range	zone control	cascade	type of appliance	availability	ease of customization	Disclosure agreement	PC connection	PDA	Internet	ROHS compliance	technology
6 led, 2 pot 1 main switch			custom + edge		EN-298:2003	230V +10/-15%	yes	no		no	no	mono-termic boiler	yes	•	yes	yes, RS232 SIT proprietary	no	no	no	PTH, SMD
8led / LCD, 3 pot			stelvio/ lumberg		EN-298:2003	230V +10/-15%	yes	no		no	no	mono-termic boiler	yes	•	no	yes, RS232 SIT proprietary	no	no	no	PTH, SMD
8led / LCD, 3 pot			stelvio/ lumberg		EN-298:2003	230V +10/-15%	yes	no		no	no	mono-termic boiler	yes	•	no	yes, RS232 SIT proprietary	no	no	no	PTH, SMD
2 led , 3 potentiometers			stelvio/ lumberg	180•80•60 mm	EN-298:2003	230V +10/-15%	yes	no		no	no	mono / bi-termic boiler	yes	•	no	yes, RS232 SIT proprietary	no	no	no	PTH, SMD
no			stelvio/ lumberg		EN-298:2003	230V +10/-15%	yes	no		no	no	mono-termic boiler	yes	•	no	yes, RS232 SIT proprietary	no	no	no	PTH, SMD
opentherm remote control			stelvio/ lumberg		EN-298:2003	230V +10/-15%	yes	no		yes	no	mono / bi-termic boiler	May-02		no	yes, RS232 SIT proprietary	no	no	no	PTH, SMD
6 led / LCD, 2 pot, 2 switch			edge/ screw type		EN-298:2003	230V +10/-15%	yes	yes		no	no	mono-termic boiler	Jul-02		yes	yes, RS232 SIT proprietary	no	no	yes	PTH, SMD

Family / Code	pump modulation	outlet temperature	inlet temperture sensor	system temperature	outdoor temp	dhw temp	dhw thermostat	dhw inlet temp	dhw flow meter	dhw flow switch	water pressure sensor	water pressure switch	pump	3-way valve	dhw pump	fan control	ignition spark	ignition HSI	gascontrol	bus system
0580135	no	yes	no	no	no	NTC	no	no	no	yes	no	yes	230Vac, 30W	stepper/rele	no	yes	no	yes	yes	RS232 TTL opentherm opz
0580136	no	no	no	no	no	no	no	no	yes	no	no	no	230Vac, 30W	stepper	no	yes	no	yes	no	RS232 TTL ebus
0580138	no	no	yes	no	no	NTC	no	no	no	yes	no	yes	230Vac, 30W	230Vac	no	yes	yes	no	no	RS232 TTL
0580139	no	no	no	no	no	NTC	no	no	no	yes	no	yes	120Vac, 30W	120Vac	no	yes	yes	no	no	RS232 TTL
0580140	no	yes	no	no	no	NTC	no	no	yes	no	no	no	230Vac, 30W	stepper	yes	yes-2 speed	yes	no	no	RS232 TTL
0580312	no	yes	no	no	no	no	no	no	no	yes	no	no	230Vac, 30W	no	no	yes	yes	no	no	RS232 TTL unipolar
0580313																				RS232 TTL unipolar

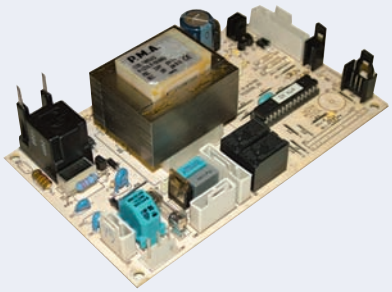
display type	options	link to picture	connectors	dimensions	approval	mains voltage range	APS	flue sensor	price range	zone control	cascade	type of appliance	availability	ease of customization	Disclosure agreement	PC connection	PDA	Internet	ROHS compliance	technology
2 led, 3 pot			edge/ screw type		EN-298:2003	230V +10/-15%	yes	yes		no	no	mono-termic boiler	Jul-02		no	yes, RS232 SIT proprietary	no	no	yes	PTH, SMD
3 led, 2 pot , switch, main power switch			edge/ screw type		EN-298:2003	230V +10/-15%	yes	no		no	yes	mono-termic boiler	Dec-02		yes	yes, RS232 SIT ebus	no	no	yes	PTH, SMD
2 led , 3 potentiometers			stelvio/ lumberg	180•80•60 mm	EN-298:2003	230V +10/-15%	yes	no		no	no	mono / bi-termic boiler	yes	•	no	yes, RS232 SIT proprietary	no	no	no	PTH, SMD
2 led , 3 potentiometers			stelvio/ lumberg	180•80•60 mm	EN-298:2003	120V +10/-15% 60Hz	yes	no		no	no	mono / bi-termic boiler	yes	•	no	yes, RS232 SIT proprietary	no	no	no	PTH, SMD
6 led / LCD, 2 pot, 2 switch	Open therm		edge/ screw type	175•100 mm	EN-298:2003	230V +10/-15%	yes	yes		no	no	mono / bi-termic boiler	yes	•	yes	yes, RS232 SIT proprietary	no	no	yes	PTH, SMD
2 led, 2 pot			Stelvio/ screw type		EN-298:2003	230V +10/-15%	yes	no		no	no	iwh	oct-06		no	yes, RS232 SIT proprietary	no	no	no	PTH, SMD
			Stelvio/ screw type		EN-298:2003	230V +10/-15%	yes						oct-06		no	yes, RS232 SIT proprietary				PTH, SMD

543 BIC

MAIN FEATURES

543 BIC is an electronic device that integrates both the Automatic Burner Control for space heaters or small furnaces with or without combustion fan; it also performs the temperature control.

It is developed with digital microprocessor technology and can be controlled by a remote chrono-thermostat (connected via RS 232) or by a RF remote control.



CODES

Family / Code	outlet temperature	air temp sensor	pump	3-way valve	fan control	ignition spark	gascontrol	bus system	display type	link to picture	connectors	dimensions	approval
BIC 0543001	yes	NTC	no	no	yes - 2 speed by relè	yes	uSystem valve	RS232 TTL	RS232 TTL		lumberg low voltage stocko high voltage stocko for vg		EN-298:2003
BIC 0543002	yes	NTC	no	no	no	yes	uSystem valve	RS232 TTL	RS232 TTL		lumberg low voltage stocko high voltage stocko for vg		EN-298:2003
BIC 0543003	yes	NTC	no	no	no	yes	uSystem valve	RS232 TTL	1 led + 1 switch + 1 pot		lumberg low voltage stocko high voltage stocko for vg		EN-298:2003
BIC 0543004	yes	NTC	no	no	yes - 2 speed by relè	yes	uSystem valve	RS232 TTL	1 led + 1 switch + 1 pot		lumberg low voltage stocko high voltage stocko for vg	180*80*60 mm	EN-298:2003
BIC 0543005	yes	NTC	no	no	yes - 2 speed by relè	yes	uSystem valve	RS232 TTL	1 led + 1 switch + 1 pot		lumberg low voltage stocko high voltage stocko for vg		EN-298:2003
BIC 0543006	yes	NTC	no	no	no	yes	uSystem valve	RS232 TTL	RS232 TTL		lumberg low voltage stocko high voltage stocko for vg		EN-298:2003

mains voltage range	APS	price range	type of appliance	availability	ease of customization	Disclosure agreement	PC connection	PDA	Internet	ROHS compliance	technology
230V +10/-15%	yes		space heaters	yes	*	no	no	no	no	no	PTH, SMD
230V +10/-15%	yes		space heaters	yes	*	no	no	no	no	no	PTH, SMD
230V +10/-15%	yes		space heaters	yes	*	no	no	no	no	no	PTH, SMD
230V +10/-15%	yes		space heaters	yes	*	no	no	no	no	no	PTH, SMD
230V +10/-15%	yes		space heaters	yes	*	no	no	no	no	no	PTH, SMD
230V +10/-15%	yes		space heaters	yes	*	no	no	no	no	no	PTH, SMD

550 ECS

MAIN FEATURES

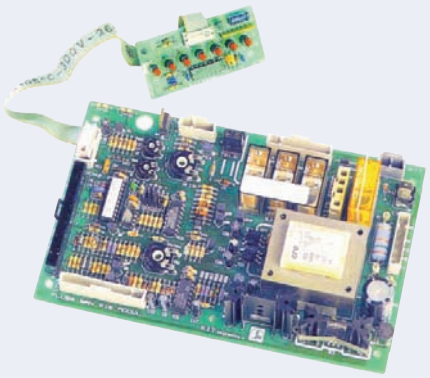
SIT 550 ECS range of SIT Electronic Control System units are specifically designed to those applications which require a precise temperature control.

These units are particularly suitable for controlling the operation of domestic gas boilers that produce hot water for sanitary and central heating purposes.

The ECS units are capable of controlling the water pump, motorized three way valve and all the other electrical functions of the boiler including the gas supply valve or the Electronic Flame Devices, as applicable.

The use of a highly reliable microcontroller and different software routines allows the quick writing of the boiler's programme which is simple to test and modify.

The advanced hardware and software design of the boards assure a high immunity against electro magnetic interference.



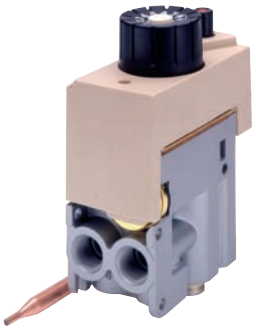
CODES

Codes	Working temperature [°C]	Supply voltage	Application (*)	Dimensions [mm]	Modulating coil supply (max)
0550001	0 - 60	230V-50Hz	A	187x118x41	16V 310 mA
0550002	0 - 60	230V-50/60Hz	B	187x118x46	16V 310 mA
0550003	0 - 60	230V-50/60Hz	B	130x60x35	/
0550004	0 - 80	230V-50Hz	B	187x110x46	16V 310 mA
0550005	0 - 80	230V-50Hz	B	187x110x46	16V 310 mA
0550010	0 - 60	230V-50Hz	A	/	16V 310 mA
0550011	0 - 60	230V-50/60Hz	A	/	16V 310 mA
0550012	0 - 60	230V-50Hz	B	/	16V 310 mA
0550013	0 - 60	230V-50Hz	A	/	16V 310 mA
0550014	0 - 60	230V-50/60Hz	A	/	16V 310 mA
0550017	0 - 60	230V-50/60Hz	A	/	/
0550024	0 - 60	230V-50Hz	A	190x152	16V 310 mA
0550025	0 - 60	120V-50/60Hz	B	190x152	16V 310 mA
0550026	0 - 60	230V-50/60Hz	B	187x118x50	/
0550027	0 - 60	230V-50/60Hz	B	187x118x46	17V 165 mA
0550029	0 - 75	230V-50Hz	B	162x152x50	16V 310 mA
0550030	0 - 75	230V-50Hz	B	/	270mA +20mA
0550032	0 - 60	230V-50Hz	B	188x118x53	28V 165 mA
0550035	0 - 60	230V-50/60Hz	B	135x94x35	16V 165mA

(*) A: Wall hung boiler with thermoelectric or electronic ignition
B: Wall hung boiler with electronic ignition

TECHNICAL FEATURES

Thermostatic Controls



610 AC3

630 EUROSIT

710 MINISIT

610 AC3

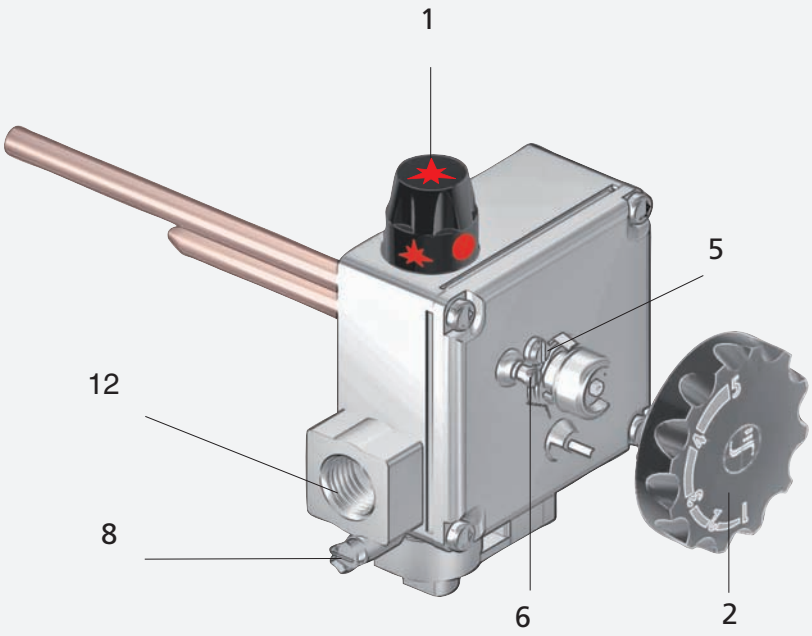
MAIN FEATURES

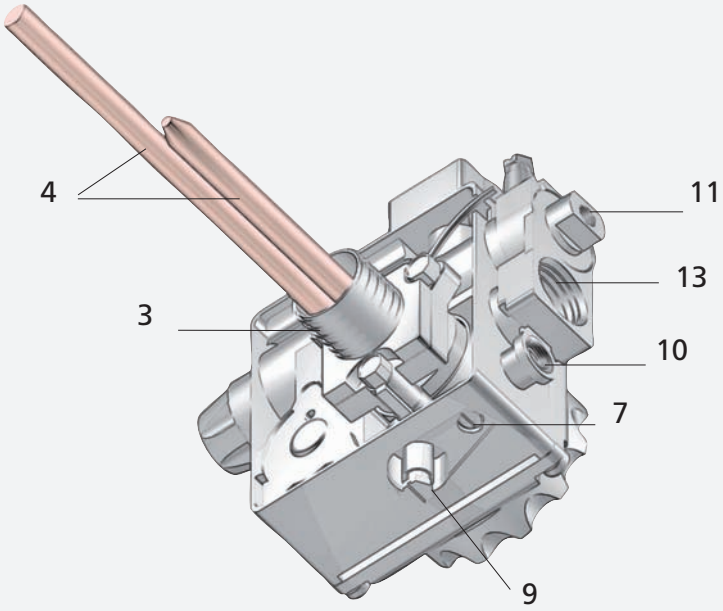
- Three-position control knob: off, pilot, on.
- Temperature selection knob.
- Thermoelectric flame failure device.
- Pressure adjuster with override device.
- On-off type thermostat.
- Resettable safety thermostat.
- Pilot outlet with gas flow preselection screw.
- Inlet and pilot filters.
- Inlet and outlet pressure test points.

DESCRIPTION

1	Control knob (off, pilot, on)
2	Temperature selection knob
3	Water connection
4	Adjustment and safety thermostat bulbs
5	Outlet pressure adjustment screw (P.R. ADJ.)
6	Pressure adjuster override screw (NO P.R.)
7	Adjustment screw for gas flow to the pilot
8	Inlet pressure test point
9	Outlet pressure test point
10	Pilot outlet
11	Thermocouple connection
12	Gas inlet
13	Gas outlet

DESCRIPTION





CODES

Codes	Inlet	Outlet	Protect. Cap inlet/outlet	Pilot	Protect. Cap pilot adj.	Shear Off	Pilot Connection	Thermocouple connection	Thermostat flange	Thermostat flange lenght and notes
0610001	1/2	1/2	Paper cap	M10x1	Plastic cap	Ø6 M10x1	M10x1 with shear-off nut (L=21 mm) & olive I.D. 6 mm	M9 x 1	3/4	R3/4" L=33.5
0610003	1/2	1/2	Paper cap	M10x1	Plastic cap	Ø6 M10x1	M10x1 with shear-off nut (L=21 mm) & olive I.D. 6 mm	M9 x 1	3/4	R3/4" L=33.5
0610009	1/2	1/2	Paper cap	M10x1	Plastic cap	Ø1/4 M10x1	M10x1 with shear-off nut (L=21 mm) & olive I.D. 6 mm	M9 x 1	3/4	R3/4" L=33.5
0610016	1/2 x0.75	3/4	Paper cap	M10x1	Plastic cap	Ø6 M10x1	M10x1 with shear-off nut (L=21 mm) & olive I.D. 6 mm	11/32" ASA	3/4	R3/4" L=33.5 O.D. thermostat 9.5 mm checked
0610017	1/2 x0.75	3/4	Paper cap	M10x1	Plastic cap	Ø1/4 M10x1	M10x1 with shear-off nut (L=16 mm) & olive I.D. 1/4"	M9 x 1	3/4	R3/4" L=33.5
0610025	1/2 x0.75	3/4	Paper cap	M10x1	Plastic cap	Ø1/4 M10x1	M10x1 with shear-off nut (L=16 mm) & olive I.D. 1/4"	11/32" ASA	3/4 METHALFA	R3/4" Metalpha L=33.5 mm.
0610026	1/2	1/2	Plastic cap	7/16	no	no	7/16 UNS with no shear-off nut & olive	11/32" ASA	3/4NPT	3/4" NPT L=33.5
0610029	1/2	1/2	Plastic cap	7/16	no	Ø6 7/16	7/16 UNS with shear-off nut (L=21 mm) & olive I.D. 6 mm	11/32" ASA	3/4NPT	3/4" NPT L=33.5
0610032	1/2 x0.75	3/4	Paper cap	M10x1	Plastic cap	Ø1/4 M10x1	M10x1 with shear-off nut (L=21 mm) & olive I.D. 1/4"	11/32" ASA	3/4 METHALFA	R3/4" Metalpha L=27.5 mm. With teflon
0610033	1/2 x0.75	3/4	Plastic cap	M10x1	no	Ø1/4 M10x1	M10x1 with shear-off nut (L=21 mm) & olive I.D. 1/4"	11/32" ASA	3/4 METHALFA	R3/4" Metalpha L=33.5 mm. with teflon
0610036	1/2 x0.75	1/2 x0.75	Plastic cap	7/16	Plastic cap	Ø4 7/16	7/16 UNS with shear-off nut (L=21 mm) & olive I.D. 4 mm	11/32" ASA	3/4NPT	3/4" NPT L=46.5
0610037	1/2 x0.75	1/2 x0.75	Plastic cap	7/16	Plastic cap	Ø4 7/16	7/16 UNS with shear-off nut (L=21 mm) & olive I.D. 4 mm	11/32" ASA	3/4NPT	3/4" NPT L=46.5
0610038	1/2 x0.75	1/2 x0.75	Plastic cap	7/16	Plastic cap	Ø4 7/16	7/16 UNS with shear-off nut (L=21 mm) & olive I.D. 4 mm	11/32" ASA	3/4NPT	3/4" NPT L=46.5
0610040	1/2 x0.75	3/4	Paper cap	M10x1	Plastic cap	Ø1/4 M10x1	M10x1 with shear-off nut (L=16 mm) & olive I.D. 1/4"	11/32" ASA	3/4 METHALFA	R3/4" Metalpha L= 33.5 mm. (double plastic sleeve)
0610041	1/2 x0.75	3/4	Plastic cap	M10x1	no	Ø1/4 M10x1	M10x1 with shear-off nut (L=21 mm) & olive I.D. 1/4"	11/32" ASA	3/4 METHALFA	R3/4" Metalpha L=33.5 mm. with teflon
0610045	1/2	1/2	Paper cap	M10x1	Plastic cap	Ø6 M10x1	M10x1 with shear-off nut (L=21 mm) & olive I.D. 6 mm	M9 x 1	3/4	R3/4" L=33.5
0610046	1/2	1/2	Paper cap	M10x1	Plastic cap	no	M10x1 with no shear-off nut & olive	M9 x 1	3/4	R3/4" L=33.5
0610050	1/2 x0.75	3/4	Paper cap	M10x1	Plastic cap	Ø1/4 M10x1	M10x1 with no shear-off nut & olive	11/32" ASA	3/4 METHALFA	R3/4" Metalpha L=33.5 mm.
0610058	1/2	1/2 x0.75	Plastic cap	M10x1	no	Ø1/4 M10x1	M10x1 with shear-off nut (L=21 mm) & olive I.D. 1/4"	11/32" ASA	3/4 METHALFA	3/4" NPT Metalpha L=33.5 mm. with teflon
0610059	1/2	1/2 x0.75	Plastic cap	M10x1	no	Ø1/4 M10x1	M10x1 with shear-off nut (L=21 mm) & olive I.D. 1/4"	11/32" ASA	3/4 METHALFA	3/4" NPT Metalpha L=33.5 mm. with teflon

ECO	Th. Calibr. (5 pos. Knob)	Knob	Pressure Regulator	pilot regulator	Temperature differential	NOTE
92 C	70°C	Black working range: 30 °C 1-5 position (special “E” mark)	Calibration Pin 30.5 Pout 25.9 flow 0.22 m3/h	yes	14°C max	
no	70°C	Black working range: 60°C 1-5 position	3-18 mbar calibration-Pin 15 Pout 6 flow 2.4	yes	14°C max	
92 C	80°C	Black working range: 40°C 1-5 position	3-18 mbar calibration-Pin 15 Pout 6 flow 2.4	yes	14°C max	
no	85°C	Black working range: 40°C 1-5 position	3-18 mbar calibration-Pin 15 Pout 6 flow 2.4	yes	14°C max	
92 C	70°C	Black working range: 60°C 1-5 position	3-18 mbar calibration-Pin 22 Pout 16.2 flow 0.85	yes	14°C max	
92 C	70°C	Black working range: 60°C 1-5 position	3-18 mbar calibration-Pin 12.5 Pout 10.1 flow 0.7	yes	14°C max	With black sticker
92 C	70°C	Not supplied (sended in max. position)	3-18 mbar calibration-Pin 15 Pout 6 flow 2.4	yes	11°C max	
92 C	58°C	Not supplied	3-18 mbar -Pressure regulator excluded for GPL	yes	11°C max	
92 C	72°C	Black working range: 60°C 1-5 position special version	3-18 mbar calibration-Pin 12.5 Pout 10.1 flow 0.7	yes	11°C max	With special sealed screws and black sticker
92 C	70°C	Black working range: 60°C 1-5 position	3-18 mbar calibration-Pin 12.5 Pout 10.1 flow 0.7	yes	14°C max	With black sticker
82 C	71°C	Black working range: 60°C 1-5 position	3-18 Calibration-Pin 25 Pout 12.5 Flow 1.16 without plug NO	no	11°C max	Pilot screw (f 0.34 hole)
90 C	81°C	Black working range: 60°C 1-5 position	3-18 Calibration-Pin 25 Pout 12.5 Flow 1.16 without plug NO	no	11°C max	Pilot screw (f 0.34 hole)
82 C	71°C	Black working range: 60°C 1-5 position	3-18 mbar -Pressure regulator excluded for GPL	no	11°C max	Pilot screw (f 0.34 hole)
92 C	75°C	Black working range: 60°C 1-5 position special version	3-18 mbar calibration-Pin 12.5 Pout 10.1 flow 0.7	yes	11°C max	With special sealed screws and black sticker
92 C	64°C	Black working range: 60°C 1-5 position	3-18 mbar calibration-Pin 12.5 Pout 10.1 flow 0.7	yes	11°C max	With black sticker
92 C	75°C	Black working range: 30 °C 1-5 position (special “E” mark)	3-18 mbar calibration-Pin 15 Pout 6 flow 2.4	yes	14°C max	
92 C	75°C	Black working range: 40°C 1-5 position	3-18 mbar calibration-Pin 15 Pout 6 flow 2.4	yes	14°C max	
92 C	70°C	Black working range: 60°C 1-5 position	3-18 mbar calibration-Pin 12.5 Pout 10.1 flow 0.7	yes		
92 C	68°C	Black working range: 60°C 1-5 position	3-18 mbar calibration-Pin 12.5 Pout 10.1 flow 0.7	yes	14°C max	With black sticker
92 C	68°C	Black working range: 60°C 1-5 position	3-18 mbar calibration-Pin 10 Pout 4.7 flow 1.34	yes	14°C max	With bleu sticker

CODES

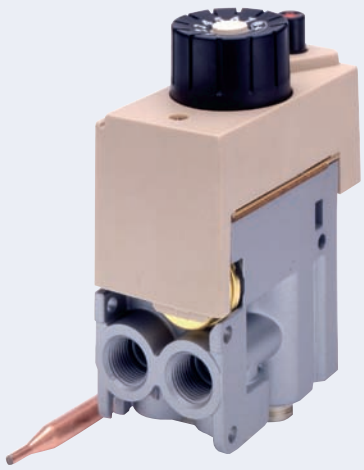
Codes	Inlet	Outlet	Protect. Cap inlet/outlet	Pilot	Protect. Cap pilot adj.	Shear Off	Pilot Connection	Thermocuple connection	Thermostat flange	Thermostat flange lenght and notes
0610060	1/2	1/2 x0.75	Plastic cap	M10x1	no	Ø1/4 M10x1	M10x1 with shear-off nut (L=21 mm) & olive I.D. 1/4"	11/32" ASA	3/4 METHALFA	3/4" NPT Metalpha L=33.5 mm. with teflon
0610062	1/2 x0.75	1/2 x0.75	Plastic cap	7/16	Plastic cap	Ø1/4 7/16	7/16 UNS with shear-off nut (L=21 mm) & olive I.D. 1/4"	11/32" ASA	3/4NPT	3/4" NPT L=46.5
0610063	1/2 x0.75	1/2 x0.75	Plastic cap	7/16	Plastic cap	Ø1/4 7/16	7/16 UNS with shear-off nut (L=21 mm) & olive I.D. 1/4"	11/32" ASA	3/4NPT	3/4" NPT L=46.5

ECO	Th. Calibr. (5 pos. Knob)	Knob	Pressure Regulator	pilot regulator	Temperature differential	NOTE
92 C	68°C	Black working range: 60°C 1-5 position	3-18 mbar -Pressure regulator excluded for GPL	yes	14°C max	With red sticker
82 C	70°C	Black working range: 60°C 1-5 position	3-18 mbar calibration-Pin 7” Pout 4” flow 40K Btu/Hr NG	yes	11°C max	
82 C	70°C	Black working range: 60°C 1-5 position	3-18 mbar calibration-Pin 7” Pout 4” flow 70K Btu/Hr NG	yes	11°C max	

630 EUROSIT

MAIN FEATURES

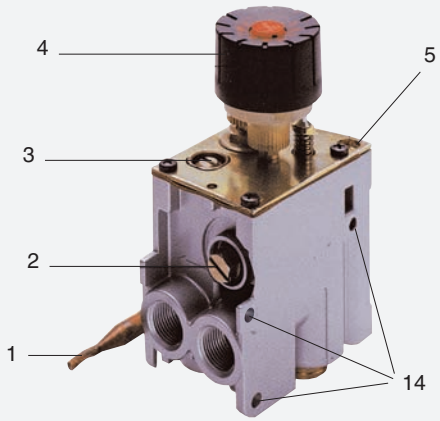
- Control knob with positions for off, pilot and temperature selection
- Thermoelectric flame supervision device with interlock (optional)
- Pressure regulator or alternatively flow adjuster
- Modulating and on-off thermostat
- Pilot outlet with pre-setting device of the gas flow
- Inlet and pilot filter
- Inlet and outlet pressure test point
- Side or bottom main gas inlet and outlet
- Main gas connections with threaded pipe or suitable for nut and olive

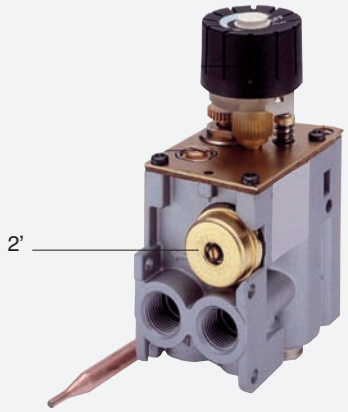


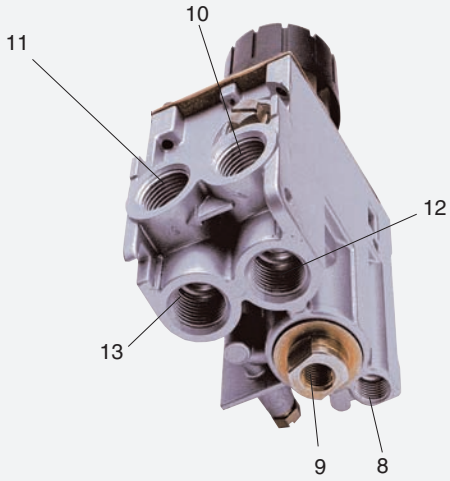
DESCRIPTION

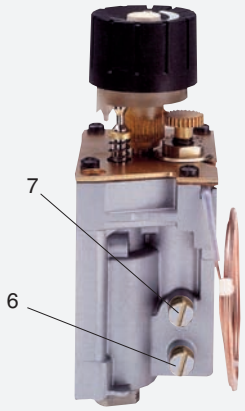
1. Temperature sensor
2. Flow Adjustment
2’ Pressure regulator adjustment
3. Minimum flow adjustment
4. Control knob
5. Pilot flow adjustment
6. Inlet pressure test point
7. Outlet pressure test point
8. Pilot outlet
9. Thermocouple connection
10. Side outlet
11. Side inlet
12. Bottom outlet
13. Bottom inlet
14. Valve mounting holes
15. Auxiliary outlet
16. Auxiliary outlet flow adjustment
17. Auxiliary outlet minimum flow adjustment
18. Thermostat flange
19. Safety thermostat (ECO)

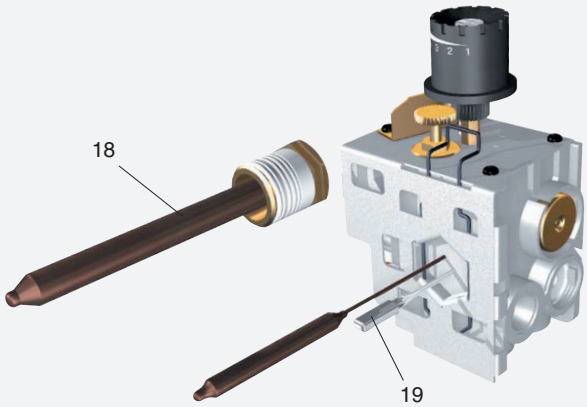
DESCRIPTION

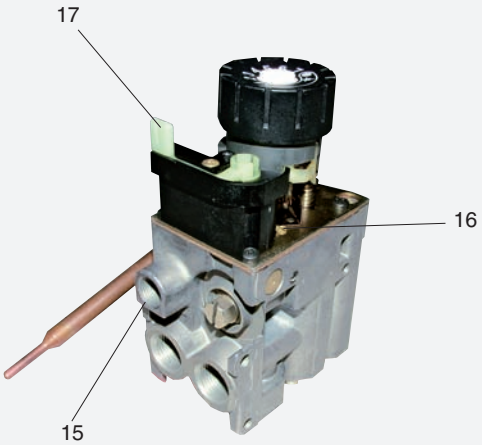












CODES

				TC + MU				SETTINGS			THERMOSTAT		
Codes	Valve working temperature range [°C]	RoHS Version	Valve configuration	Thermocouple connection (M)	ECO connection	Interlock	Magnet Unit [Drop out- hold in current, mA]	Maximum Flow adjuster	Pressure regulator	Minimum flow setting screw (D) [mm]	Thermostat range [°C]	Bulb dimensions (D, L) [mm]	Capillary dimensions (L) [mm]
0630001	0-80		A	M9x1	No	yes	>40 <200	FA Fitted 0945198 (80 °C)	Not Fitted	Minimum screw without hole	13÷38	8x120	1050
0630011	0-80		A	M9x1	No	yes	>40 <200	Not fitted	Not Fitted	Not fitted	13÷38	8x120	1050
0630012	0-80		A	M9x1	No	yes	>110 <340	no	no	no	40÷80	8x90	1050
0630013	0-80		A	M10x1	No	yes	>40 <200	Not fitted	Not Fitted	Not fitted	8÷33	8x120	1050
0630014	0-80		A	M9x1	No	yes	>40 <200	Not fitted	Not Fitted	Not fitted	13÷31	8x155	1050
0630015	0-80		A	M9x1	No	yes	>40 <200	FA Fitted 0945198 (80 °C)	Not Fitted	Fitted D=1,4	13÷48	8x95	1050
0630017	0-80		A	M9x1	No	yes	>40 <200	Not fitted	Not Fitted	Not fitted	6÷31	8x120	1050
0630018	0-80		A	M10x1	No	yes	>40 <200	Not fitted	Not Fitted	Not fitted	13÷31	8x155	1050
0630019	0-80		A	M9x1	No	yes	>40 <200	no	no	no	40÷80	8x90	1050
0630021	0-80		A	M10x1	No	yes	>40 <200	Not fitted	3-18 mbar	Fitted D=0,6	8÷33	8x120	1050
0630022	0-80		A	M10x1	No	yes	>40 <200	Not fitted	Not Fitted	Not fitted	8÷33	8x120	1050
0630023	0-80		A	M9x1	No	yes	>40 <200	Not fitted	3-18 mbar	Fitted D=2,0	13÷38	8x120	1050
0630024	0-80		A	M9x1	No	yes	>40 <200	Not fitted	8-37 mbar fitted	Fitted D=0,6	13÷38	8x120	1050
0630025	0-80		A	M10x1	No	yes	>40 <200	Not fitted	3-18 mbar	Not fitted	13÷38	8x120	1050
0630026	0-80		A	M10x1	No	yes	>40 <200	Not fitted	3-18 mbar	Not fitted	13÷38	8x120	1050
0630027	0-80	Yes	C	M9x1	No	yes	>40 <200	FA Fitted 0945198 (80 °C)	Not Fitted	Fitted D=1,4	manual	/	/
0630029	0-80		A	M9x1	No	yes	>40 <200	Not fitted	3-18 mbar	Not fitted	13÷38	8x120	1050
0630036	0-80		A	M9x1	No	yes	>110 <340	no		no	35÷75	8x90	1050
0630037	0-80		A	M9x1	No	yes	>40 <200	Not fitted	3-18 mbar	Not fitted	13÷38	8x120	1050
0630038	0-80		A	M9x1	No	yes	>40 <200	Not fitted	Po=9,8" Pi=7" Q=25.0000 BTU/h for NG	Minimum screw without hole	13÷38	8x120	1050
0630039	0-80		A	M10x1	No	yes	>40 <200	Not fitted	3-18 mbar	Minimum screw without hole	13÷38	8x120	1050
0630041	0-80		A	M9x1	No	yes	>40 <200	Not fitted	3-18 mbar	Fitted D=1,2	13÷38	8x120	1050
0630043	0-80		A	M9x1	No	yes	>40 <200	Not fitted	3-18 mbar	Fitted D=2,0	13÷38	8x120	1050
0630045	0-80		A	M9x1	No	yes	>40 <200	Not fitted	8-37 mbar fitted	Not fitted	13÷38	8x120	1050

PILOT			INLET					OUTLET						COVER	
Pilot connection	Pilot rate screw	Pilot Stop Knob	PTP	side thread	side plug	bottom thread	bottom plug	side thread	side plug	bottom thread	bottom plug	Plug on the box	outlet screen	Cover Piezo	zundsperre 7100326
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2	No	No cover	no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2	No	No cover	no
NO (M10x1)		no	standard	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2			no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2	No	No cover	no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2	No	No cover	no
M10x1, Ø4mm, 16mm long	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	fitted	3/8 Rp	no		No	Sand cover + Piezo	no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2	No	No cover	no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2	No	No cover	no
NO (M10x1)		no	standard	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2			no
M10x1, Ø4mm, 16mm long	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	fitted	3/8 Rp	no		No	No cover	no
M10x1, Ø4mm, 16mm long	Fitted - undrilled	no	Standard screws	3/8 Rp	fitted	3/8 Rp	no	3/8 Rp	no	3/8 Rp	fitted		No	No cover	no
M10x1, Ø6mm, 16mm long	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	fitted	3/8 Rp	no		No	No cover	no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	no		No	No cover	no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	fitted	3/8 Rp	no		No	No cover	no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	fitted	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	no		No	No cover	no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	fitted	3/8 Rp	no		No	Sand cover + Piezo	no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2	No	No cover	no
NO (M10x1)		no	standard	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2			no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no		No	No cover	no
M10x1, Ø1/4, 16 mm long	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2	No	No cover	no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	fitted	3/8 Rp	no	3/8 Rp	no	3/8 Rp	fitted		No	No cover	no
M10x1, Ø6mm, 16mm long	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	fitted	3/8 Rp	no		No	No cover	no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	fitted	3/8 Rp	no		No	No cover	no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no		No	No cover	no

				TC + MU				SETTINGS			THERMOSTAT		
Codes	Valve working temperature range [°C]	RoHS Version	Valve configuration	Thermocouple connection (M)	ECO connection	Interlock	Magnet Unit [Drop out- hold in current, mA]	Maximum Flow adjuster	Pressure regulator	Minimum flow setting screw (D) [mm]	Thermostat range [°C]	Bulb dimensions (D, L) [mm]	Capillary dimensions (L) [mm]
0630046	0-80		A	M9x1	No	yes	>40 <200	FA Fitted 0945198 (80 °C)	Not Fitted	Minimum screw without hole	13÷38	8x120	1050
0630047	0-80		A	M10x1	No	yes	>40 <200	Not fitted	Not Fitted	Not fitted	13÷38	8x120	1050
0630052	0-80		C	M9x1	No	no	>40 <200	FA Fitted 0945198 (80 °C)	Not Fitted	Fitted D=1,4	manual	/	/
0630054	0-80		A	M9x1	No	no	>40 <200	Not fitted	Not Fitted	Not fitted	13÷38	8x120	1050
0630057	0-80		A	M9x1	No	yes	>40 <200	FA Fitted 0945198 (80 °C)	Not Fitted	Fitted D=1,70	manual	/	/
0630058	0-80		A	M9x1	No	yes	>40 <200	FA Fitted 0945198 (80 °C)	Not Fitted	Fitted D=1,4	manual	/	/
0630061	0-80		A	M10x1	No	yes	>40 <200	Not fitted	3-18 mbar	Fitted D=1,4	13÷38	8x120	1050
0630063	0-80		A	M9x1	No	yes	>40 <200	Standard Pressure regulator 3-18 mbar		Minimum screw without hole	40÷90	8x95	1000
0630064	0-80		A	M10x1	No	yes	>40 <200	Not fitted	3-18 mbar	Not fitted	8÷33	8x120	1050
0630065	0-80		A	M10x1	No	yes	>40 <200	Not fitted	3-18 mbar	Not fitted	8÷33	8x120	1050
0630066	0-80		A	M10x1	No	yes	>40 <200	Not fitted	3-18 mbar	Not fitted	8÷33	8x120	1050
0630068	0-80		A	M9x1	No	yes	>40 <200	Standard Pressure regulator 3-18 mbar		Fitted without calibrated hole (0945600)	40÷90	8x95	1000
0630093	0-80		A	M9x1	No	yes	>40 <200	Not fitted	3-18 mbar	Fitted without calibrated hole (0945600)	13÷38	8x120	1050
0630094	0-80		A	M8x1	No	yes	>80 <200	Not fitted	Not Fitted	Not fitted	13÷38	8x120	1050
0630095	0-80		A	11/32" ASA	92°C calibration	yes	>40 <200	Not fitted	10"(Pi=12" Q=39.000BTU/h) for GPL	Minimum screw without hole	40÷72	8x90	1050
0630096	0-80		A	M9x1	No	yes	>40 <200	Not fitted	3-18 mbar	Fitted without calibrated hole (0945600)	40÷80	8x90	1050
0630100	0-80		A	M9x1	No	yes	>40 <200	Not fitted	no	Not fitted	40÷72	8x90	1050
0630101	0-80		A	11/32" ASA	Yes	yes	>40 <200	Not fitted		Minimum screw without hole	40÷72	8x90	1050
0630102	0-80		A	M10x1	Yes	yes	>40 <200		P.R. standard version 3-18mbar	Minimum screw without hole	40÷72	8x90	1050
0630103	0-80		A	M10x1	Yes	yes	>40 <200	Fitted screw (0945261 Drilled 2x2,8)		Minimum screw without hole	40÷72	8x90	1050
0630104	0-80		A	M9x1	No	yes	>40 <200	Not fitted	no	Minimum screw without hole	40÷72	8x90	1050

PILOT			INLET					OUTLET						COVER	
Pilot connection	Pilot rate screw	Pilot Stop Knob	PTP	side thread	side plug	bottom thread	bottom plug	side thread	side plug	bottom thread	bottom plug	Plug on the box	outlet screen	Cover Piezo	zundsperre 7100326
M10x1, Ø1/4, 16 mm long	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2	No	No cover	no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2	No	No cover	no
NO (M10x1)	Fitted - undrilled	yes	Standard screws	3/8 Rp	fitted	3/8 Rp	no	3/8 Rp	no	3/8 Rp	fitted		No	Black cover+piezo	yes
NO (M10x1)	Fitted - undrilled	yes	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2	No	Black cover with white index+piezo+fixing screw 36mm	yes
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2	No	Sand cover + Piezo	no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	fitted	3/8 Rp	no		No	Black cover+piezo	no
M10x1, Ø4mm, 16mm long	Fitted - undrilled	yes	Standard screws	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	no	3/8 Rp	fitted		No	Black cover with white index+piezo+fixing screw 33mm	no
NO (M10x1)	Fitted - undrilled	no	standard	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2		No cover	no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	fitted	3/8 Rp	no		No	No cover	no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	fitted	3/8 Rp	no	3/8 Rp	no	3/8 Rp	fitted		No	No cover	no
M10x1, Ø6mm, 16mm long	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2	No	No cover	no
NO (M10x1)		no	standard	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2		Black cover+piezo	no
M10x1, Ø6mm, 16mm long	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2	No	Sand cover+piezo	no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2	No	No cover	no
M10x1, Ø1/4, 16 mm long	Without hole for pilot screw	no	Standard screws	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	fitted	3/8 Rp	no				no
NO (M10x1)		no	standard	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	fitted	3/8 Rp	no				no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2			no
NO (M10x1)	Without hole for pilot screw	no	Standard screws	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	fitted	3/8 Rp	no				no
NO (M10x1)	Without hole for pilot screw	no	Standard screws	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	fitted	3/8 Rp	no				no
NO (M10x1)	Without hole for pilot screw	no	Standard screws	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	fitted	3/8 Rp	no				no
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2			no

				TC + MU				SETTINGS			THERMOSTAT		
Codes	Valve working temperature range [°C]	RoHS Version	Valve configuration	Thermocouple connection (M)	ECO connection	Interlock	Magnet Unit [Drop out- hold in current, mA]	Maximum Flow adjuster	Pressure regulator	Minimum flow setting screw (D) [mm]	Thermostat range [°C]	Bulb dimensions (D, L) [mm]	Capillary dimensions (L) [mm]
0630106	0-80		A	M10x1	Yes	yes	>40 <200	Not fitted	3-18 mbar	Minimum screw without hole	40÷72	8x90	1050
0630151	0-80		A	11/32" ASA	Fitted 82°C calibration	yes	>40 <200		Integral P.R. NG Po10 Pi12 Q800l/h Black sticker	Minimum screw without hole	27÷65	8x72	240
0630152	0-80		A	11/32" ASA	Fitted 82°C calibration	yes	>40 <200		Integral P.R. NG Po=4,5mbar Pi=8 Q1,24 d0,6 Bleu	Minimum screw without hole	27÷65	8x72	240
0630153	0-80		A	11/32" ASA	Fitted 82°C calibration	yes	>40 <200		no	Minimum screw without hole	27÷65	8x72	240
0630201	0-80		B	M9x1	No	yes	>40 <200	FA Fitted 0945198 (80 °C)	no	Fitted without calibrated hole (0945600)	100÷340	5x68	1500
0630203	0-80		A	M9x1	No	yes	>40 <200	FA Fitted 0945198 (80 °C)		Not fitted	140÷380	5x68	1500
0630204	0-80		A	M9x1	No	yes	>40 <200	Not fitted		Not fitted	30÷100	5x122	1050
0630205	0-80		B	M9x1	No	yes	>40 <200	FA Fitted 0945198 (80 °C)	no	Not fitted	140÷340	4x72	1050
0630206	0-80		A	M10x1	No	yes	>40 <200	FA Fitted 0945198 (80 °C)		Not fitted	100÷340	4x72	1050
0630305	0-120	Yes	B	M9x1	No	no	>40 <200	Plug alum. fitted 0972068 (120°C)	no	Fitted without calibrated hole (0945628) 120°C version	80÷320	4x72	1050
0630306	0-120		B	M9x1	No	no	>40 <200	Plug alum. fitted 0972068 (120°C)		Plug fitted 2145636 (120°C version)	90÷330	4x72	1050
0630307	0-120		B	M9x1	No	no	>40 <200	Plug alum. fitted 0972068 (120°C)	no	Fitted with calibrated hole (0945638) 120°C version	100÷340	4x72	1050
0630308	0-120		B	M9x1	No	no	>40 <200	Plug alum. fitted 0972068 (120°C)		Plug fitted 2145639 (120°C version)	80÷320	4x72	650
0630325	0-80	Yes	B	M9x1	No	no	>40 <200	FA Fitted 0945198 (80 °C)	no	fitted without calibration hole	30÷100	5x122	1050
0630326	0-120	Yes	B	M9x1	No	no	>40 <200	FA Fitted 0945222 (120°C)	no	Fitted without calibrated hole (0945628) 120°C version	100÷340	4x72	1050
0630327	0-120	Yes	B	M9x1	No	no	>40 <200	FA Fitted 0945222 (120°C)	no	Fitted without calibrated hole (0945628) 120°C version	80÷320	4x72	1050
0630328	0-120	Yes	B	M9x1	No	no	>40 <200	Not fitted	no	Fitted without calibrated hole (0945628) 120°C version	40÷280	4x72	1050
0630330	0-120	Yes	B	M9x1	No	no	>40 <200	Plug alum. fitted 0972068 (120°C)	no	Fitted without calibrated hole (0945628) 120°C version	60÷300	4x72	1050
0630331	0-120	Yes	B	M9x1	No	no	>40 <200	Plug alum. fitted 0972068 (120°C)	no	Fitted without calibrated hole (0945628) 120°C version	100÷340	4x72	1050
0630332	0-120	Yes	B	M9x1	No	no		FA Fitted 0945222 (120°C)	no	fitted	110÷190	4x202	1050

PILOT			INLET					OUTLET						COVER	
Pilot connection	Pilot rate screw	Pilot Stop Knob	PTP	side thread	side plug	bottom thread	bottom plug	side thread	side plug	bottom thread	bottom plug	Plug on the box	outlet screen	Cover Piezo	zundsperre 7100326
NO (M10x1)	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2			no
M10x1, Ø1/4, 16 mm long	Fitted - undrilled	no	Standard screws	3/8 18npt	no	3/8 18npt	no	3/8 18npt	yes	3/8 18npt	no				no
M10x1, Ø1/4, 16 mm long	Fitted - undrilled	yes	Standard screws	3/8 18npt	no	3/8 18npt	no	3/8 18npt	yes	3/8 18npt	no				no
M10x1, Ø1/4, 16 mm long	Fitted - undrilled	yes	Standard screws	3/8 18npt	no	3/8 18npt	no	3/8 18npt	yes	3/8 18npt	no				no
NO (M10x1)		no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2			no
NO (M10x1)		no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2			no
NO (M10x1)	Fitted - undrilled	no	standard	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2			no
NO (M10x1)		no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2			no
NO (M10x1)		no	Standard screws	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	no	3/8 Rp	fitted				no
M10x1, Ø1/4, 16 mm long		no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no				no
7/16 24UNS, Ø 3/16, 15 mm long	Fitted - undrilled	no	captured screw	3/8 NPT	fitted	3/8 NPT	no	3/8 NPT	fitted	3/8 NPT	no				no
M10x1, Ø1/4, 16 mm long	Fitted -16 mm long	no	Standard screws	3/8 Rp	fitted	3/8 Rp	no	3/8 Rp	no	3/8 Rp	fitted				no
7/16 24UNS, Ø 3/16, 15 mm long	Fitted - undrilled	no	captured screw	3/8 NPT	fitted	3/8 NPT	no	3/8 NPT	fitted	3/8 NPT	no				no
NO (M10x1)	Fitted - undrilled	no	standard	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no				no
NO (M10x1)		no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no				no
NO (M10x1)		no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no				no
NO (M10x1)		no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2			no
NO (M10x1)		no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no				no
NO (M10x1)		no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no				no
NO (M10x1)	Fitted - undrilled	no	standard	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no				no

				TC + MU				SETTINGS			THERMOSTAT		
Codes	Valve working temperature range [°C]	RoHS Version	Valve configuration	Thermocouple connection (M)	ECO connection	Interlock	Magnet Unit [Drop out- hold in current, mA]	Maximum Flow adjuster	Pressure regulator	Minimum flow setting screw (D) [mm]	Thermostat range [°C]	Bulb dimensions (D, L) [mm]	Capillary dimensions (L) [mm]
0630334	0-120		B	M9x1	No	no		Plug alum. fitted 0972068 (120°C)	no	fitted	110÷190	4x202	1050
0630335	0-120	Yes	B	M9x1	No	no	>40 <200	FA Fitted 0945222 (120°C)	no	Fitted without calibrated hole (0945628) 120°C version	40÷250	4x72	1050
0630336	0-120		B	M9x1	No	no	>40 <200	FA Fitted 0945222 (120°C)	no	Fitted without calibrated hole (0945628) 120°C version	100÷340	4x72	1050
0630337	0-120	Yes	B	M9x1	No	no	>40 <200	Plug alum. fitted 0972068 (120°C)	no	fitted	110÷190	4x202	1050
0630338	0-120		B	M9x1	No	no	>40 <200	Not fitted	no	Not fitted	manual	/	/
0630339	0-80		B	M9x1	No	no	>40 <200	FA Fitted 0945222 (120°C)	no	Fitted without calibrated hole (0945628) 120°C version	70÷310	4x72	1050
0630340	0-120		B	M9x1	No	no		FA Fitted 0945222 (120°C)			110÷190	6x102	
0630343	0-120		B	M9x1	No	no	>40 <200	Plug alum. fitted 0972068 (120°C)	no	Fitted without calibrated hole (0945628) 120°C version	100÷340	4x72	1050
0630344	0-80	Yes	B	M9x1	No	no	>40 <200	FA Fitted 0945198 (80 °C)	no	fitted without calibration hole	30÷100	5x122	1050
0630345	0-120	Yes	B	M9x1	No	no	>40 <200	FA Fitted 0945222 (120°C)	no	Fitted without calibrated hole (0945628) 120°C version	100÷340	4x72	1050
0630346	0-120	Yes	B	M9x1	No	no	>40 <200	FA Fitted 0945222 (120°C)	no	Fitted without calibrated hole (0945628) 120°C version	80÷320	4x72	1050
0630347	0-120		B	M9x1	No	no		Plug alum. fitted 0972068 (120°C)	no	fitted	110÷190	4x202	1050
0630348	0-120		B	M9x1	No	no	>40 <200	Not fitted	no	Fitted without calibrated hole (0945628) 120°C version	40÷280	4x72	1050
0630349	0-120		B	M9x1	No	no	>40 <200	Plug alum. fitted 0972068 (120°C)	no	Fitted without calibrated hole (0945628) 120°C version	100÷340	4x72	1050
0630500	0-80		A	M8x1	No	yes	>40 <200	Plug allum. fitted 0972067 (80°C)	Not Fitted	Not fitted	13÷38	8x120	1050
0630501	0-80		A	11/32" ASA	No	no	>65 < 170	Plug allum. fitted 0972067 (80°C)	Not Fitted	Fitted D=1,6	21÷46	8x120	1050
0630503	0-80		A	11/32" ASA	No	yes	>65 <170	Not fitted	Po=10" Pi=12" Q=35.0000 BTU/h for LPG	Not fitted	13÷48	8x131	1050
0630504	0-80		A	M8x1	No	yes	40 120	Plug allum. fitted 0972067 (80°C)	Not Fitted	Not fitted	13÷48	8x95	1050
0630505	0-80		A	11/32" ASA	No	yes	>65 < 170	Plug allum. fitted 0972067 (80°C)	Not Fitted	Plug 0972057	13÷38	8x120	1050

PILOT			INLET					OUTLET						COVER	
Pilot connection	Pilot rate screw	Pilot Stop Knob	PTP	side thread	side plug	bottom thread	bottom plug	side thread	side plug	bottom thread	bottom plug	Plug on the box	outlet screen	Cover Piezo	zundsperre 7100326
NO (M10x1)	Fitted - undrilled	no	standard	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no				no
NO (M10x1)		no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no				no
M10x1, Ø1/4, 16 mm long		no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2			no
NO (M10x1)	Fitted - undrilled	no	standard	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no				no
NO (M10x1)		no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2			no
NO (M10x1)		no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2			no
M10x1, Ø1/4, 16 mm long	Fitted - undrilled	no	standard	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2			no
NO (M10x1)		no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no				no
NO (M10x1)	Fitted - undrilled	no	standard	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no				no
NO (M10x1)		no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no				no
NO (M10x1)		no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no				no
NO (M10x1)	Fitted - undrilled	no	standard	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no				no
NO (M10x1)		no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2			no
NO (M10x1)		no	Standard screws	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no				no
7/16 24UNS, Ø 3/16, 15 mm long	Fitted 2 holes D=1,5mm	yes	captured screw	3/8 NPT	fitted	3/8 NPT	no	3/8 NPT	fitted	3/8 NPT	no		N° 1 in the box	No cover	no
7/16 24UNS, Ø1/4, 21 mm long	Fitted - undrilled	yes	captured screw	3/8 NPT	no	3/8 NPT	fitted	3/8 NPT	fitted	3/8 NPT	no			No cover	no
NO (7/16 24UNS)	Fitted - undrilled	yes	captured screw	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	2	N° 1 in the box	No cover	no
NO (7/16 24UNS)	Fitted 2 holes D=1,5mm	yes	captured screw	3/8 NPT	fitted	3/8 NPT	no	3/8 NPT	no	3/8 NPT	fitted		N° 1 in the box	No cover	no
7/16 24UNS, Ø1/4, 21 mm long	Fitted 2 holes D=1,5mm	no	captured screw	3/8 NPT	fitted	3/8 NPT	no	3/8 NPT	fitted	3/8 NPT	no		No	No cover	no

				TC + MU				SETTINGS				THERMOSTAT		
Codes	Valve working temperature range [°C]	RoHS Version	Valve configuration	Thermocouple connection (M)	ECO connection	Interlock	Magnet Unit [Drop out- hold in current, mA]	Maximum Flow adjuster	Pressure regulator	Minimum flow setting screw (D) [mm]		Thermostat range [°C]	Bulb dimensions (D, L) [mm]	Capillary dimensions (L) [mm]
0630507	0-80		A	11/32" ASA	No	yes	>65 < 170	Plug allum. fitted 0972067 (80°C)		Not fitted		30÷100	5x122	1050
0630508	0-80		A	11/32" ASA	No	yes	160 320	Not fitted	Po=10" Pi=12" Q=35.0000 BTU/h for GPL	Not fitted		13÷48	8x95	1050
0630509	0-80		A	11/32" ASA	No	yes	>65 < 170	Not fitted	Po=10" Pi=12" Q=35.0000 BTU/h for GPL	Not fitted		13÷48	8x95	1050
0630513	0-80		A	11/32" ASA	No	yes	>65 < 170	Not fitted	Po=3,5" Pi=7" Q=38.000 BTU/h for NG	Not fitted		13÷38	8x131	1050
0630515	0-80		A	11/32" ASA	No	yes	160 320	Not fitted	Po=3,5" Pi=7" Q=27.000 BTU/h for NG	Not fitted		13÷48	8x95	1050
0630516	0-80		A	11/32" ASA	No	yes	>65 < 170	Not fitted	Po=3,5" Pi=7" Q=27.000 BTU/h for NG	Not fitted		13÷48	8x95	1050
0630519	0-80		A	11/32" ASA	No	yes	160 320	Not fitted	Po=3,5" Pi=7" Q=38.000 BTU/h for NG	Not fitted		13÷48	8x95	1050
0630522	0-80		C	M8x1	No	yes	>40 <200	Plug allum. fitted 0972067 (80°C)	Not Fitted	Not fitted		manual	/	/
0630525	0-80		A	M8x1	No	yes	>40 <200	Plug allum. fitted 0972067 (80°C)	Not Fitted	Plug 0972057		13÷38	8x120	1050
0630530	0-80		A	M8x1	No	yes	>80 <200	Plug allum. fitted 0972067 (80°C)	Not Fitted	Plug 0972057		13÷38	8x120	1050
0630531	0-80		A	M8x1	No	no	>40 <200	Plug allum. fitted 0972067 (80°C)	Not Fitted	Plug 0972057		13÷38	8x120	1050
0630534	0-80		A	M9x1	No	yes	>40 <200	Not fitted	Not Fitted	Plug 0972057		13÷38	8x120	1050
0630536	0-80		A	M8x1	No	yes	>40 <200	Plug allum. fitted 0972067 (80°C)	Not Fitted	Plug 0972057		13÷38	8x120	1050

PILOT			INLET					OUTLET						COVER	
Pilot connection	Pilot rate screw	Pilot Stop Knob	PTP	side thread	side plug	bottom thread	bottom plug	side thread	side plug	bottom thread	bottom plug	Plug on the box	outlet screen	Cover Piezo	zundsperre 7100326
7/16 24UNS, Ø1/4, 21 mm long	Fitted - drilled ø 2x1.5 mm	yes	standard	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	2	N° 1 in the box		no
7/16 24UNS, Ø1/4, 21 mm long	Fitted - undrilled	yes	captured screw	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	2	N° 1 in the box	No cover	no
7/16 24UNS, Ø1/4, 21 mm long	Fitted - undrilled	yes	captured screw	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	2	N° 1 in the box	No cover	no
NO (7/16 24UNS)	Fitted - undrilled	yes	captured screw	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	2	N° 1 in the box	No cover	no
7/16 24UNS, Ø1/4, 21 mm long	Fitted - undrilled	yes	captured screw	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	2	N° 1 in the box	No cover	no
7/16 24UNS, Ø1/4, 21 mm long	Fitted - undrilled	yes	captured screw	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	2	N° 1 in the box	No cover	no
7/16 24UNS, Ø1/4, 21 mm long	Fitted - undrilled	yes	captured screw	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	2	N° 1 in the box	No cover	no
7/16 24UNS, Ø 3/16, 15 mm long	Fitted 2 holes D=1,5mm	yes	captured screw	3/8 NPT	fitted	3/8 NPT	no	3/8 NPT	no	3/8 NPT	fitted		Screen in bottom outlet	No cover	no
NO (7/16 24UNS)	Fitted 2 holes D=1,5mm	yes	captured screw	3/8 NPT	fitted	3/8 NPT	no	3/8 NPT	fitted	3/8 NPT	no		Screen in bottom outlet	No cover	no
NO (7/16 24UNS)	Fitted 1 hole D=0,55mm	no	captured screw	3/8 NPT	fitted	3/8 NPT	no	3/8 NPT	fitted	3/8 NPT	no		No	No cover	no
7/16 24UNS, Ø 3/16, 15 mm long	Fitted 2 holes D=1,5mm	yes	captured screw	3/8 NPT	fitted	3/8 NPT	no	3/8 NPT	fitted	3/8 NPT	no		Screen in bottom outlet	No cover	no
M10x1, N°1 plug per each valve in the carton	Fitted 2 holes D=1,5mm	no	captured screw	3/8 Rp	no	ASA	no	3/8 Rp	no	ASA	no	2	No	No cover	no
NO (7/16 24UNS)	Fitted 2 holes D=1,5mm	yes	captured screw	3/8 NPT	fitted	3/8 NPT	no	3/8 NPT	fitted	3/8 NPT	no		Screen in bottom outlet	No cover	no

				TC + MU				SETTINGS			THERMOSTAT		
Codes	Valve working temperature range [°C]	RoHS Version	Valve configuration	Thermocouple connection (M)	ECO connection	Interlock	Magnet Unit [Drop out- hold in current, mA]	Maximum Flow adjuster	Pressure regulator	Minimum flow setting screw (D) [mm]	Thermostat range [°C]	Bulb dimensions (D, L) [mm]	Capillary dimensions (L) [mm]
0630540	0-80		A	11/32" ASA	No	yes	>65 < 170	Not fitted	Po=10" Pi=12" Q=35.0000 BTU/h for GPL	Not fitted	13÷48	8x95	1050
0630541	0-80		A	11/32" ASA	No	yes	>65 < 170	Not fitted	Po=3,5" Pi=7" Q=27.000 BTU/h for NG	Not fitted	13÷48	8x95	1050
0630542	0-80		C		No	yes	>65 < 170	Not fitted	Po=3,5" Pi=7" Q=38.000 BTU/h for NG	Not fitted	manual	/	/
0630544	0-80		A	M8x1	No	no	>40 <200	Plug allum. fitted 0972067 (80°C)	Not Fitted	Not fitted	13÷48	8x95	1050
0630545	0-80		A	M8x1	No	no	>40 <200	Plug allum. fitted 0972067 (80°C)	Not Fitted	Not fitted	13÷48	8x95	1050
0630547	0-80		A	11/32" ASA	No	yes	>65 < 170	Plug allum. fitted 0972067 (80°C)	Not Fitted	Not fitted	13÷48	8x95	1050
0630548	0-80		A	M8x1	No	yes	>80 <200	Not fitted	Po=3,5" Pi=7" Q=38.000 BTU/h for NG	Fitted D=2x2,4	13÷48	8x95	1050
0630551	0-80		A	M8x1	No	no	>40 <200	Plug allum. fitted 0972067 (80°C)	Not Fitted	Not fitted	13÷48	8x95	1050
0630555	0-80		A	M8x1	No	yes	40 120	Plug allum. fitted 0972067 (80°C)	Not Fitted	Not fitted	13÷48	8x95	1050
0630562	0-80		C	M8x1	No	yes	>80 <200	Plug 3/8 brass fitted 0972058	10"(Pi=12" Q=37.000BTU/h) for GPL	Fitted D=1,85	manual	/	/
0630563	0-80		C	M8x1	No	yes	40 120	Plug 3/8 brass fitted 0972058	10"(Pi=12" Q=26.000BTU/h) for GPL	Fitted D=1,6	manual	/	/
0630564	0-80		C	M8x1	No	yes	>80 <200	Plug 3/8 brass fitted 0972058	Po=3,5" Pi=7" Q=27.000 BTU/h for NG	Fitted D=2,5	manual	/	/
0630566	0-80		A	11/32" ASA	No	no	>65 < 170	Plug allum. fitted 0972067 (80°C)	Not Fitted	Plug 0972057	21÷46	8x120	1050

PILOT			INLET					OUTLET						COVER	
Pilot connection	Pilot rate screw	Pilot Stop Knob	PTP	side thread	side plug	bottom thread	bottom plug	side thread	side plug	bottom thread	bottom plug	Plug on the box	outlet screen	Cover Piezo	zundsperre 7100326
7/16 24UNS, Ø1/4, 21 mm long	Fitted - undrilled	yes	captured screw	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	2	N° 1 in the box	No cover	no
7/16 24UNS, Ø1/4, 21 mm long	Fitted - undrilled	yes	captured screw	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	2	N° 1 in the box	No cover	no
7/16 24UNS, Ø1/4, 21 mm long	Fitted - undrilled	yes	captured screw	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	2	N° 1 in the box	No cover	no
NO (7/16 24UNS)	Without hole for pilot screw	yes	captured screw	9/16 24UNEF	no	no	no	9/16 24UNEF	no	no	no		No	No cover	no
NO (7/16 24UNS)	Fitted 2 holes D=1,5mm	yes	captured	9/16 24UNEF	fitted	9/16 24UNEF	no	3/8 18NPT	fitted	9/16 24UNEF	no		No	No cover	no
7/16 24UNS, Ø1/4, 21 mm long	Fitted - undrilled	yes	captured screw	3/8 NPT	fitted	3/8 NPT	no	3/8 NPT	no	3/8 NPT	fitted		Screens in side outlet	No cover	no
7/16 24UNS, Ø 3/16, 15 mm long	Fitted 2 holes D=1,5mm	yes	captured screw	3/8 NPT	fitted	3/8 NPT	no	3/8 NPT	fitted	3/8 NPT	no		Screen in bottom outlet	No cover	no
7/16 24UNS, Ø 3/16, 15 mm long	Fitted 2 holes D=1,5mm	yes	without	3/8 18npt	fitted	3/8 18npt	no	3/8 18npt	fitted	3/8 18NPT	no		No	No cover	no
NO (7/16 24UNS)	Fitted 2 holes D=1,5mm	yes	captured screw	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	3/8 NPT	no	2	N° 1 in the box	No cover	no
7/16 24UNS, Ø 3/16, 15 mm long	Fitted 2 holes D=1,5mm	yes	captured screw	3/8 NPT	fitted	3/8 NPT	no	3/8 NPT	no	3/8 NPT	fitted		Screen in bottom outlet	No cover	no
7/16 24UNS, Ø 3/16, 15 mm long	Fitted 2 holes D=1,5mm	yes	captured screw	3/8 NPT	fitted	3/8 NPT	no	3/8 NPT	no	3/8 NPT	fitted		Screen in bottom outlet	No cover	no
7/16 24UNS, Ø 3/16, 15 mm long	Fitted 2 holes D=1,5mm	yes	captured screw	3/8 NPT	fitted	3/8 NPT	no	3/8 NPT	no	3/8 NPT	fitted		Screen in bottom outlet	No cover	no
7/16 24UNS, Ø1/4, 21 mm long	Fitted - undrilled	yes	captured screw	3/8 NPT	no	3/8 NPT	fitted	3/8 NPT	fitted	3/8 NPT	no		Screen in bottom outlet	No cover	no

			TC + MU				SETTINGS			THERMOSTAT		
Codes	Valve working temperature range [°C]	RoHS Version	Valve configuration	Thermocouple connection (M)	ECO connection	Interlock	Magnet Unit [Drop out- hold in current, mA]	Maximum Flow adjuster	Pressure regulator	Minimum flow setting screw (D) [mm]	Thermostat range [°C]	Bulb dimensions (D, L) [mm]	Capillary dimensions (L) [mm]
0630567	0-80		A	M8x1	No	no	>40 <200	Plug allum. fitted 0972067 (80°C)	Not Fitted	Not fitted	13÷48	8x95	1050
0630568	0-80		A	M8x1	No	yes	>40 <200	Plug 3/8 brass fitted 0972058	Not Fitted	Plug 0972057	13÷48	8x95	1050
0630569	0-80		A	M8x1	No	yes	>80 <200	Not fitted	Po=3,5" Pi=7" Q=27.000 BTU/h for NG	Fitted D=2,5	13÷48	8x95	1050
0630571	0-80		A	M8x1	No	yes	>80 <200	Not fitted	Po=10" Pi=12" Q=18.000 BTU/h for GPL	Fitted D=1,6	13÷48	8x95	1050
0630700	0-80		D	M9x1	No	no	>40 <200	FA Fitted 0945198 (80 °C)	Not Fitted	Minimum screw without hole	13÷38	8x120	1050
0630703	0-80		A	M9x1	No	yes	>40 <200	FA Fitted 0945198 (80 °C)	Not Fitted	Minimum screw without hole	13÷38	8x120	1050
0630704	0-80		D	M10x1	No	yes	>40 <200	FA Fitted 0945198 (80 °C)	Not Fitted	Fitted D=1,6	13÷38	8x120	1050
0630706	0-80		D	M10x1	No	yes	>40 <200	FA Fitted 0945198 (80 °C)	Not Fitted	Fitted D=1,6	13÷38	8x120	1050
0630707	0-80		D	M10x1	No	no	>40 <200	FA Fitted 0945198 (80 °C)	Not Fitted	Fitted D=1,4	13÷38	8x120	1050
0630708	0-80		D	M10x1	No	no	>40 <200	FA Fitted 0945198 (80 °C)	Not Fitted	Minimum screw without hole	13÷38	8x120	1050
0630712	0-80		D	M10x1	No	yes	>40 <200	FA Fitted 0945198 (80 °C)	Not Fitted	Minimum screw without hole	13÷38	8x120	1050
0630714	0-80		D	M10x1	No	yes	>40 <200	Not fitted	3-18 mbar	Fitted D=1,70	13÷38	8x120	1050
0630715	0-80		D	M10x1	No	yes	>40 <200	Not fitted	3-18 mbar	Fitted D=1,70	8÷33	8x120	1050
0630801	0-80		A	M9x1	No	yes	>40 <200	Not fitted	10mbar(Pi=12" Q=800l/h) for NG	Fitted D=2,10	13÷38	8x120	1050
0630802	0-80		A	M9x1	No	yes	>40 <200	Standard Pressure regulator 3-18 mbar	10mbar(Pi=20 mbar Q=2000l/h) for NG	Minimum screw without hole	40÷90	8x95	1000
0630803	0-80		A	M9x1	No	yes	>40 <200	Standard Pressure regulator 3-18 mbar	10mbar(Pi=20 mbar Q=2000l/h) for NG	Minimum screw without hole	40÷90	8x95	1000

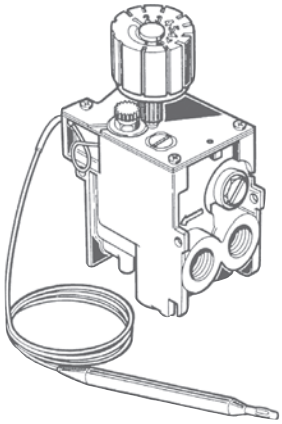
PILOT			INLET					OUTLET						COVER	
Pilot connection	Pilot rate screw	Pilot Stop Knob	PTP	side thread	side plug	bottom thread	bottom plug	side thread	side plug	bottom thread	bottom plug	Plug on the box	outlet screen	Cover Piezo	zundsperre 7100326
NO (7/16 24UNS)	Without hole for pilot screw	yes	captured	3/8 NPT	fitted	1/2" UNF	no	3/8 NPT	fitted	1/2" UNF	no		No	No cover	no
7/16 24UNS, Ø 3/16, 15 mm long	Fitted 2 holes D=1,5mm	yes	captured screw	3/8 18npt	fitted	1/2 20unf	no	3/8 18npt	fitted	1/2 20unf	no		No	No cover	no
7/16 24UNS, Ø 3/16, 15 mm long	Fitted 2 holes D=1,5mm	yes	captured screw	3/8 NPT	fitted	3/8 NPT	no	3/8 NPT	no	3/8 NPT	fitted		Screen in bottom outlet	No cover	no
7/16 24UNS, Ø 3/16, 15 mm long	Fitted 2 holes D=1,5mm	yes	captured screw	3/8 NPT	fitted	3/8 NPT	no	3/8 NPT	no	3/8 NPT	fitted		Screen in bottom outlet	No cover	no
NO (M10x1)	Fitted - undrilled	yes	standard	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	fitted	3/8 Rp	no		No	Plus version, black cover+piezo	yes
NO (M10x1)	Fitted - undrilled	yes		3/8 Rp	fitted	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp + AUX M12X1	no		No	Plus version, black cover+piezo	no
NO (M10x1)	Fitted - undrilled	yes	standard	3/8 Rp	fitted	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	no		No	Plus version, black cover+piezo	no
NO (M10x1)	Fitted - undrilled	yes		3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp + AUX M12X1	no	2	No	Plus version, black cover+piezo	no
NO (M10x1)	Fitted - undrilled	yes		3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp + AUX M12X1	no	2	No	Plus version, black cover+piezo	yes
NO (M10x1)	Fitted - undrilled	yes	standard	3/8 Rp	fitted	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	no		No	Plus version, black cover+piezo	yes
NO (M10x1)	Fitted - undrilled	yes	standard	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	no	3/8 Rp	fitted		No	Plus Europe version, black cover+electric push botton	no
NO (M10x1)	Fitted - undrilled	yes	standard	3/8 Rp	fitted	3/8 Rp	no	3/8 Rp	no	3/8 Rp	fitted		No	Plus Europe version, sand cover without piezo	no
NO (M10x1)	Fitted - undrilled	yes	standard	3/8 Rp	fitted	3/8 Rp	no	3/8 Rp	no	3/8 Rp	fitted		No	Black cover without hole for piezo	no
M10x1, Ø1/4, 16 mm long	Fitted - undrilled	no	Standard screws	3/8 Rp	no	3/8 Rp	fitted	3/8 Rp	no	3/8 Rp	fitted		No	No cover	no
NO (7/16 24UNS)	Fitted - undrilled	no		3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2		Sand cover + Piezo	no
NO (7/16 24UNS)	Fitted - undrilled	no		3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	3/8 Rp	no	2		Sand cover + Piezo	no

				TC + MU				SETTINGS			THERMOSTAT		
Codes	Valve working temperature range [°C]	RoHS Version	Valve configuration	Thermocouple connection (M)	ECO connection	Interlock	Magnet Unit [Drop out- hold in current, mA]	Maximum Flow adjuster	Pressure regulator	Minimum flow setting screw (D) [mm]	Thermostat range [°C]	Bulb dimensions (D, L) [mm]	Capillary dimensions (L) [mm]
0630804	0-80		A	11/32" ASA	Fitted 82°C calibration	yes	>40 <200	27,4 mbar (Pi=30 mbar / Red sticker) for GPL	no	Minimum screw without hole	27÷65	8x72	240

PILOT			INLET					OUTLET					COVER	
Pilot connection	Pilot rate screw	Pilot Stop Knob	PTP	side thread	side plug	bottom thread	bottom plug	side thread	side plug	bottom thread	bottom plug	Plug on the box outlet screen	Cover Piezo	zundsperre 7100326
M10x1, Ø1/4, 16 mm long	Fitted - undrilled	yes	Standard screws	3/8 18npt	no	3/8 18npt	no	3/8 18npt	yes	3/8 18npt	no			no

CONFIGURATIONS

A



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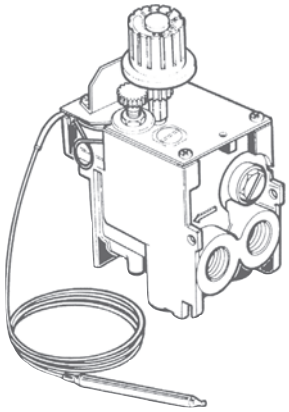

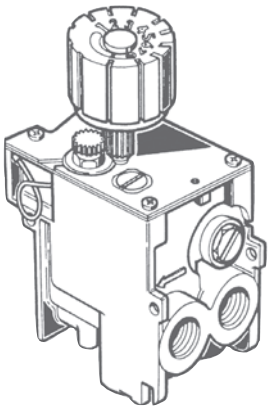

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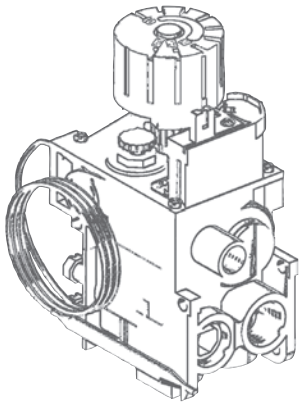

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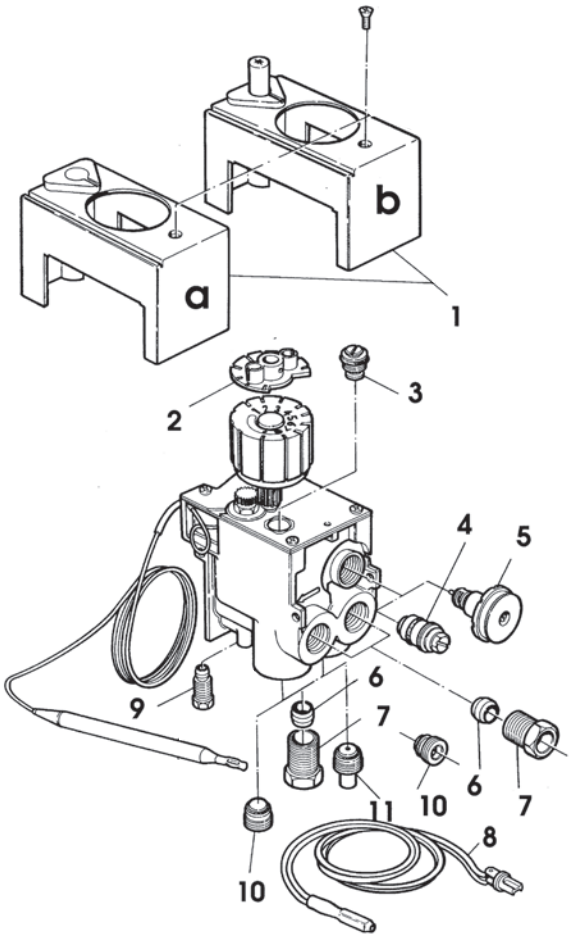


ACCESSORIES

N.	Code	Description	Q.ty	N.	Code	Description	Q.ty
1a	0.973.044	Sand cover application (cover and 1 screw)	10	4a	0.945.198	Maximum rate screw – undrilled	10
1b	0.073.954	Sand cover and piezo	5	4b	0.945.110	Maximum rate screw – drilled ø 1.0 mm	10
2	0.997.209	Application for remote control	10	4c	0.945.112	Maximum rate screw – drilled ø 1.2 mm	10
3a	0.945.600	Minimum rate screw – undrilled	10	4d	0.945.120	Maximum rate screw – drilled ø 2.5 mm	10
3b	0.945.601	Minimum rate screw – drilled ø 0.40 mm	10	5	0.907.630	Pressure regulator (3-18 mbar)	10
3c	0.945.602	Minimum rate screw – drilled ø 0.60 mm	10	6	0.957.007	ø 12 mm olive	10
3d	0.945.603	Minimum rate screw – drilled ø 1.00 mm	10	7	0.958.025	ø 12 mm tube nut	10
3e	0.945.604	Minimum rate screw – drilled ø 1.20 mm	10	8	0.926.032	Energy cut-off (92 °C + 4 °C)	10
3f	0.945.605	Minimum rate screw – drilled ø 0.50 mm	10	9a	0.958.030	ø 4 mm pilot tube shear-off	10
3g	0.945.606	Minimum rate screw – drilled ø 0.80 mm	10	9b	0.958.031	ø 6 mm pilot tube shear-off	10
3h	0.945.607	Minimum rate screw – drilled ø 0.90 mm	10	10	0.972.061	3/8” blanking plug with O-ring	10
3i	0.945.610	Minimum rate screw – drilled ø 0.70 mm	10				

Subject to change without notice

710 MINISIT

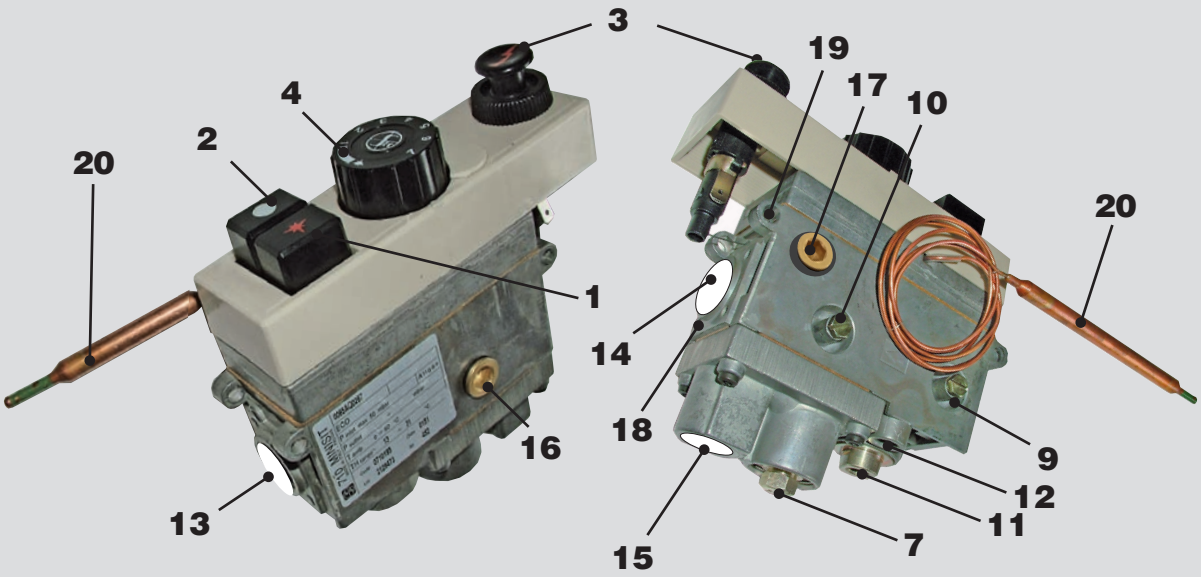
MAIN FEATURES

- Thermoelectric flame supervision device with interlock
- Control knob with positions for temperature selection
- Modulating and on-off thermostat
- Pressure regulator or alternatively flow adjuster
- Pilot outlet with pre-setting device of the gas flow
- Inlet and pilot filter
- Inlet and outlet pressure test point
- Inline main gas inlet and outlet or bottom outlet
- Main gas connections with threaded pipe, flange or suitable for nut and olive
- Piezo igniter (optional)

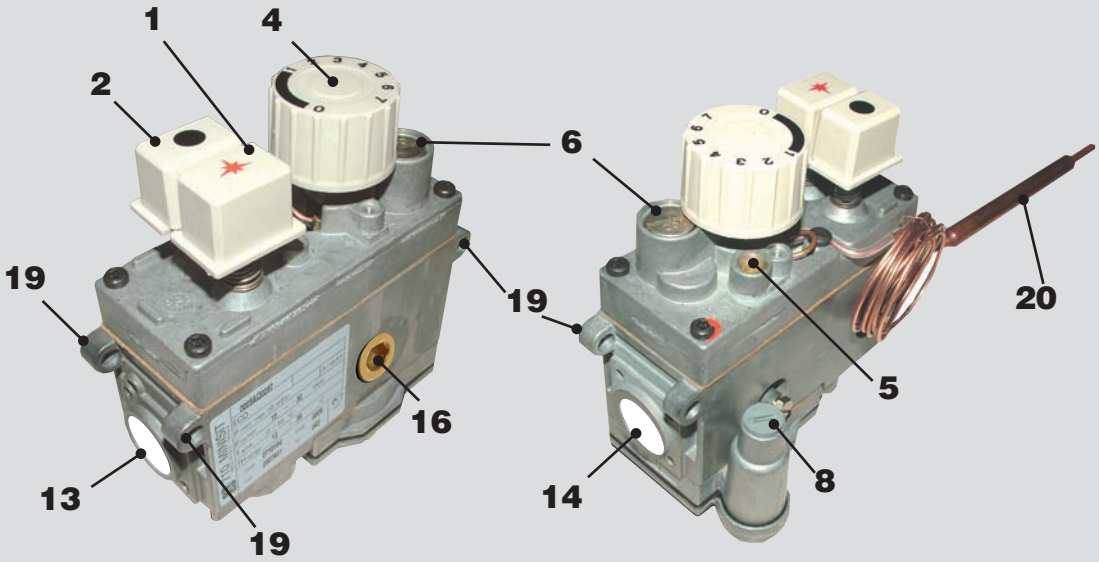
DESCRIPTION

1 Ignition button
2 Shut-down button
3 Piezo-electric ignition button (optional)
4 Temperature setting knob
5 Screw for adjusting gas flow to pilot
6 Minimum flow setting screw
7 Maximum flow setting screw (versions with flow regulator)
8 Oulet pressure setting screw (versions with flow regulator)
9 Inlet pressure test point
10 Outlet pressure test point
11 Thermocouple connection
12 Pilot outlet
13 Gas inlet with protective dust cover
14 Main gas outlet with protective dust cover
15 Bottom gas outlet with protective dust cover
16 Side outlet M14x1 with sealing cap
17 Side outlet 1/8" NPT with metal sealing cap
18 Flange fixing holes (M4)
19 Fixing points
20 Thermostat bulb

DESCRIPTION



Version with flow rate adjuster and piezoelectric igniter



Version with pressure regulator and additional side outlet

CODES

Codes	RoHS Version	TC connection	Magnet Unit [Drop out - hold in current, mA]	PTP (1)	Pilot connection	Inlet thread	inlet FLANGE (2)	Inlet elbow orient.	NUT	OLIVE	Reducer	Outlet thread	Outlet FLANGE	Outlet elbow fl. orient.	NUT	OLIVE
0710004		M10x1	>40 <200	Yes	Ø 4 mm , 16 mm long	1/2"	no		20 mm long	ø 16 mm		3/8"	elbow 3/8"	Bottom	yes	ø 12 mm
0710005		M10x1	>40 <200	Yes	Ø 4 mm , 16 mm long	1/2"	no		20 mm long	ø 16 mm		3/8"	elbow 3/8"	Bottom	yes	ø 12 mm
0710021		M9x1	>40 <200	yes	Ø 4 mm , 16 mm long	3/8"	no		no	no	1/2"-3/8"	bottom 3/8"		No		
0710029		M10x1	>110 <340 (red mark)	Yes	Ø 4 mm , 16 mm long	3/8"	Elbow 3/8"	Bottom	yes	ø 12 mm		3/8"	Straight brass 30 mm long (0.974.085)	No	yes	ø 12 mm
0710030		M10x1	>40 <200	Yes	Ø 4 mm , 16 mm long	1/2"	Elbow 1/2"	Bottom	yes	ø 16 mm		3/8"	Straight brass 60 mm	No	yes	ø 16 mm
0710059		M10x1	>40 <200	Yes	Ø 4 mm , 16 mm long	1/2"	no		no	fitted		3/8"	Elbow 3/8" + P.T.Point sx Rc1/8"	Bottom	no	ø 12 mm
0710063		M9x1	>110 <340 (red mark)	Yes	Ø 6 mm, 16 mm long	3/8"	no		20 mm long	ø 12 mm		3/8"	Elbow 3/8" + P.T.Point front Rc1/8"	Bottom	yes	ø 12 mm
0710068		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	3/8"	no		no	no	1/2"-3/8"	3/8"	elbow 3/8"	Bottom		
0710073		M10x1	>110 <340 (red mark)	Yes	Ø 4 mm , 16 mm long	1/2"	no		no	fitted		3/8"	elbow 3/8"	Bottom		
0710094		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	1/2"	Elbow 1/2"	Bottom	no	no		3/8"	Elbow 1/2"	Bottom		
0710106		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	3/8"	no		no	no	1/2"-3/8"	3/8"	elbow 3/8"	Bottom		
0710117		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no
0710119		M10x1	>40 <200	Yes	Ø 4 mm , 16 mm long	1/2"	Elbow 1/2"	Bottom	no	no		3/8"	no	No	no	no
0710125		M10x1	>40 <200	Yes	Ø 4 mm , 16 mm long	1/2"	Elbow 1/2"	Bottom	yes	ø 16 mm		3/8"	Straight brass 30 mm long (0.974.085)	No	yes	ø 16 mm
0710129		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	3/8"	no		no	no	1/2"-3/8"	Plugged		No		
0710133		M9x1	>40 <200	no	Ø1/4, 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no
0710134		M9x1	>40 <200	no	Ø1/4, 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no
0710136		M10x1	>40 <200	Yes	Ø 6 mm, 16 mm long	3/8"	no		no	no	1/2"-3/8"	3/8"	no	No	no	no
0710148		M10x1	>40 <200	Yes	Ø 6 mm, 16 mm long	1/2"	no		no	fitted		3/8"	elbow 3/8"	Bottom		
0710162		M10x1	>40 <200	Yes	Ø 4 mm , 16 mm long	1/2"	no		20 mm long	ø 16 mm		3/8"	no	No	no	no
0710164		M9x1	>40 <200	W	Ø 6 mm, 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no
0710173		M10x1	>110 <340 (red mark)	Yes	Ø 4 mm , 16 mm long	1/2"	Elbow 1/2"	Bottom	yes	ø 16 mm		3/8"	Elbow 1/2"	Bottom	yes	ø 16 mm

Secondary Outlet	Thermostat range	knob setting	Capillary dimensions (L) [mm]	Bulb dimensions (D, L) [mm]	P.R. or output flow adj.	Minimum rate screw Drilled ø	Cover (sand coloured)	Push buttons colour	Knob	Piezo igniter
	13-38	cal.38°C knob7	1050	8x120	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	No	Left index	Sand	Sand knob 0.916.111 L.H. reference	Square piezo (sand)
	13-38	cal.38°C knob7	1050	8x120	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	No	Left index	Sand	Sand knob 0.916.111 L.H. reference	Square piezo (sand)
M14x1 Plugged	13-38	cal.38°C knob7	1050	8x120	No P.R. No Outlet flow adj. + bottom outlet 3/8"	0,7	Compact cover (with piezo, without plastic plug)	Black	Black knob (0.916.092) L.H. Ref.	Piezo with mounting bracket tapping the side outlet
	13-31	cal.20°C knob 3	1050	8x155	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	0,4	No	Black	Black knob (0.916.092) L.H. Ref.	No
	13-38	cal.20°C knob 3			3-18 mbar with stop pos. Pi 17 Po 10.7 Flow m3/h 2.30	No	Left index	Black	Black knob (0.916.092) L.H. Ref.	Square piezo (black)
	13-38	cal.38°C knob7	1050	8x120	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	Right index	Black	Black knob - 0.916.101 R.H. reference	Square piezo (black)
	13-31	cal.20°C knob 3	1050	8x155	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	No	No	Black	Black knob (0.916.092) L.H. Ref.	No
	13-38	cal.38°C knob7	1050	8x120	Outlet flow adjuster	Not drilled screw fitted	No	Black	Black knob (0.916.092) L.H. Ref.	No
	13-38	cal.38°C knob7	1050	8x120	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	1,3	Left index	Sand	Sand knob 0.916.111 L.H. reference	Square piezo (sand)
	20-90	cal. 90°C			3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	Left index	Black	Black knob (0.916.092) L.H. Ref.	Square piezo (black)
	manual				No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	No	Black	Black knob - 0.916.096 R.H. reference	No
	13-38	cal.38°C knob7	1050	8x120	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	Left index	Black	Black knob (0.916.092) L.H. Ref.	No
	13-38	cal.38°C knob7	1050	8x120	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	Right index	Sand	Sand knob 0.916.102 R.H. reference	Square piezo (sand)
	13-38	cal.38°C knob7	1050	8x120	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	0,4	No	Black	Black knob (0.916.092) L.H. Ref.	No
	13-38	cal.38°C knob7	1050	8x120	Outlet flow adjuster	Not drilled screw fitted	Left index	Black	Black knob (0.916.092) L.H. Ref.	Square piezo (black)
	13-38	cal.38°C knob7	1050	8x120	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	Without index (0.903.052)	Sand	Sand knob 0.916.111 L.H. reference	No
	13-38	cal.38°C knob7	1050	8x120	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	Without index (0.903.052)	Sand	Sand knob 0.916.111 L.H. reference	No
	30-90	cal. 90°C			3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	1,7	Left index	Black	Black knob 0.916.126 L.H. ref.	No
	30-90	cal. 90°C			3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	2	Left index	Black	Black knob 0.916.126 L.H. ref.	Square piezo (black)
	13-38	cal.38°C knob7	1050	8x120	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	No	No	Sand	Sand knob 0.916.111 L.H. reference	No
	13-38	cal.38°C knob7	1050	8x120	3-18 mbar Pi 25 Po 15 Flow m3/h 0.400	0,5	No	Black	Black knob - 0.916.101 R.H. reference	No
	13-38	cal.38°C knob7	1050	8x120	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	No	No	Black	Extension for remote control	No

Codes	RoHS Version	TC connection	Magnet Unit [Drop out - hold in current, mA]	PTP (1)	Pilot connection	Inlet thread	inlet FLANGE (2)	Inlet elbow orient.	NUT	OLIVE	Reducer	Outlet thread	Outlet FLANGE	Outlet elbow fl. orient.	NUT	OLIVE
0710176		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no
0710182		M10x1	>40 <200	Yes	Ø 4 mm , 16 mm long	3/8"	Elbow 3/8"	Bottom	yes	ø 12 mm		3/8"	Straight brass 30 mm long (0.974.085)	No	yes	ø 12 mm
0710193		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no
0710194		M10x1	>40 <200	Yes	Ø 4 mm , 16 mm long	1/2"	Elbow 1/2"	Side	no	no		3/8"	no	No	no	no
0710195		M10x1	>110 <340 (red mark)	Yes	Ø 4 mm , 16 mm long	1/2"	no		no	fitted		Plugged		No		
0710196		M10x1	>110 <340 (red mark)	Yes	Ø 4 mm , 16 mm long	3/8"	Elbow 3/8"	Bottom	no	no		3/8"	Straight brass 30 mm long (0.974.085)	No		
0710198		M10x1	>110 <340 (red mark)	Yes	Ø 4 mm , 16 mm long	1/2"	no		no	fitted		3/8"	elbow 3/8"	Bottom	yes	ø 12 mm
0710199		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	1/2"	Elbow 1/2"	Bottom	no	no		3/8"	Elbow 1/2"	Bottom		
0710203		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	1/2"	Elbow 1/2"	Bottom	no	no		3/8"	Elbow 1/2"	Bottom		
0710204		M9x1	>40 <200	Yes	Ø 4 mm , 16 mm long	3/8"	Elbow 3/8"	Top	no	no		3/8"	elbow 3/8"	Bottom		
0710207		M10x1	>40 <200	Yes	Ø 4 mm , 16 mm long	3/8"	Elbow 3/8"	Bottom	yes	ø 12 mm		3/8"	Straight brass 30 mm long (0.974.085)	No	yes	ø 12 mm
0710209		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no
0710210		M9x1	>40 <200	no	Ø1/4, 16 mm long	1/2"	no		no	fitted		3/8"	Elbow 3/8" + P.T.Point sx Rc1/8"	Bottom		
0710212		M10x1	>40 <200	W	Ø 4 mm , 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no
0710215		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no
0710216		M10x1	>40 <200	Yes	Ø 4 mm , 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no
0710218		M10x1	>110 <340 (red mark)	yes	No	1/2"	no		no	fitted		3/8"	no	No	no	no
0710221		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no
0710222		M9x1	>40 <200	Yes	Ø 4 mm , 16 mm long	3/8"	Elbow 3/8"	Top	no	no		3/8"	no	No	no	no
0710225		M9x1	>40 <200	Yes	No	1/2"	no		no	fitted		3/8"	no	No	no	no
0710227		M10x1	>40 <200	Yes	Ø 4 mm , 16 mm long	1/2"	Elbow 1/2"		no	no		3/8"	Elbow 1/2"	Bottom	no	no
0710228		M10x1	>110 <340 (red mark)	Yes	Ø 4 mm , 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no
0710235		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	3/8"	no		no	no	1/2"-3/8"	3/8"	elbow 3/8"	Bottom		
0710236		M9x1	>40 <200	Yes	Ø1/4, 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no

Secondary Outlet	Thermostat range	knob setting	Capillary dimensions (L) [mm]	Bulb dimensions (D, L) [mm]	P.R. or output flow adj.	Minimum rate screw Drilled ø	Cover (sand coloured)	Push buttons colour	Knob	Piezo igniter
	25-95	cal.95°C	1050	8x95	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	2,4	Left index	Black	Black knob 0.916.126 L.H. ref.	No
	13-38	cal.38°C knob7	1050	8x120	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	1,3	No	Black	Black knob (0.916.092) L.H. Ref.	No
	40-72	cal. 72°C	670	12x90	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	Without index (0.903.052)	Black	Black knob (2.116.184) L.H. reference	No
M14x1 side	13-38	cal.38°C knob7	1050	8x120	15-30 mbar Pi 24 Po 20 Flow 1.37 m3/h	1,6	Left index	Sand	Sand knob 0.916.111 L.H. reference	Square piezo (sand)
M14x1 side	13-31	cal.20°C knob 3	1050	8x155		0,4	No	Black	Black knob (0.916.092) L.H. Ref.	No
	13-31	cal.20°C knob 3	1050	8x155	outlet flow adjuster	0,4	No	Black	Black knob (0.916.092) L.H. Ref.	No
	13-38	cal.38°C knob7	1050	8x120	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	1,3	No	Black	Extension for remote control	No
	30-90	cal. 90°C			3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	No	Black	Black knob 0.916.126 L.H. ref.	No
	20-75	cal.75°C	1300	4x172	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	Left index	Black	Black knob - customer name printing	Square piezo (black)
	40-90	cal.65°C 1°stop	1050	8x95	3-18 mbar Pi 18 Po 14.1 Flow 0.50	0,7	Left index	Black	Black knob 2.116.095 L.H. ref.	No
	13-38	cal.38°C knob7	1050	8x120	3-18 mbar with stop pos. Pi 15 Po 11 Flow m3/h 1.37	No	Left index	Black	Black knob (0.916.092) L.H. Ref.	Square piezo (black)
	40÷72	cal. 72°C	870	12x90	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	Without index (0.903.052)	Black	Black knob (2.116.184) L.H. reference	No
	13-29	cal. 29 knob 7			3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Plug fitted (0.972.055)	No	Sand	Sand knob 0.916.111 L.H. reference	No
	13-38	cal.38°C knob7	1050	8x120	3-18 mbar Pi 25 Po 15 Flow m3/h 0.400	1,4	No	Black	Black knob - 0.916.101 R.H. reference	No
	20-75	cal.75°C			No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	Left index	Black	Black knob - customer name printing	No
M14x1 side	30-90	cal. 90°C			3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	Left index	Black	Black knob 0.916.126 L.H. ref.	No
M14x1 Plugged	13-31	cal.20°C knob 3	1050	8x155		0,4	No	Black	Black knob (0.916.092) L.H. Ref.	No
	40÷72	cal. 72°C	670	12x90	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	Without index (0.903.052)	Black	Black knob (2.116.184) L.H. reference	No
	40-90	cal.65°C 1°stop	1050	8x95	3-18 mbar Pi 18 Po 14.1 Flow 0.50	0,7	Left index	Black	Black knob 2.116.095 L.H. ref.	No
	30-90	cal. 90°C			3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	No	Black	Black knob 0.916.126 L.H. ref.	No
	13-38	cal.38°C knob7	1050	8x120	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	0,4	Left index	Black	Black knob (0.916.092) L.H. Ref.	Square piezo (black)
	37-72	cal. 72°C	670	10x51	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	Without index (0.903.052)	Black	Black knob (2.116.184) L.H. reference	Square piezo (sand)
	13-38	cal.38°C knob7	1050	8x120	Outlet flow adjuster	0,8	No	Black	Black knob (0.916.092) L.H. Ref.	No
	110-190	cal.190°C	1050	6x73	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	No/Left index	Black	Sand knob 0.916.111 L.H. reference	No

Codes	RoHS Version	TC connection	Magnet Unit [Drop out - hold in current, mA]	PTP (1)	Pilot connection	Inlet thread	inlet FLANGE (2)	Inlet elbow orient.	NUT	OLIVE	Reducer	Outlet thread	Outlet FLANGE	Outlet elbow fl. orient.	NUT	OLIVE
0710251		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710252		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710501		11/32 ASA	> 45 < 150	C	7/16UNS-24, Ø 1/4", 21 mm long	1/2 NPT	no		no	fitted		3/8 NPT	no	No	no	no
0710502		11/32 ASA	> 45 < 150	C	7/16UNS-24, Ø 1/4", 21 mm long	1/2 NPT	no		no	fitted		3/8 NPT	no	No	no	no
0710505		11/32 ASA	> 45 < 150	C	7/16UNS-24, Ø 1/4", 21 mm long	1/2 NPT	no		no	fitted		3/8 NPT side	no	No	no	no
0710506		11/32 ASA	> 45 < 150	C	7/16UNS-24, Ø 1/4", 21 mm long	1/2 NPT	no		no	fitted		3/8 NPT side	no	No	no	no
0710603		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	3/8"	Elbow 3/8"	Bottom	no	no		3/8"	elbow 3/8"	Bottom		
0710619		M10x1	>40 <200	Yes	Ø 4 mm , 16 mm long	3/8"	Elbow 3/8"	Bottom	yes	ø 12 mm		3/8"	Straight brass 30 mm long (0.974.085)	No		
0710646		M9x1	>40 <200	Yes	Ø1/4, 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no
0710647		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no
0710648		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	1/2"	Elbow 1/2"	Bottom	no	no		3/8"	Elbow 1/2"	Bottom		
0710650		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710651		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710652		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710653		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710654		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710655		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710656		M10x1	>40 <200	Yes	No	1/2"	no (2)		no	no		3/8"	Straight brass 30 mm long (0.974.085)	No		
0710657		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710702		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	3/8"	Elbow 3/8"	Bottom	no	no		3/8"	elbow 3/8"	Bottom		

Secondary Outlet	Thermostat range	knob setting	Capillary dimensions (L) [mm]	Bulb dimensions (D, L) [mm]	P.R. or output flow adj.	Minimum rate screw Drilled ø	Cover (sand coloured)	Push buttons colour	Knob	Piezo igniter
	13-38	cal.38°C knob7	1050	8x120	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	No	Black	No	No
	13-38	cal.38°C knob7	1050	8x120	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	No	Black	No	No
	13-38	cal.38°C knob7	1050	8x120		No	Without index (0.903.052)	Black	Extension for remote control	No
	13-38	cal.38°C knob7	1050	8x120		No	Without index (0.903.052)	Black	Extension for remote control	No
	13-38	cal.38°C knob7	1050	8x120	NG Pi 7" Po 5.5" Flow m3/h 1.01 (90000 btu)	Plug fitted (0.972.055)	Without index (0.903.052)	Black	Extension for remote control	No
	13-38	cal.38°C knob7	1050	8x120	GPL. Pi 12" Po 10.5" Flow m3/h 2.54 (90000 btu)	Plug fitted (0.972.055)	Without index (0.903.052)	Black	Extension for remote control	No
	100-340	cal. 340°C knob max	1050	5x68	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	Left index	Black	Black knob (0.916.124) L.H. Ref.	No
	120-340	cal.340°C knob Max	1050	5x68	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	0,5	Left index	Black	Black knob (0.916.124) L.H. Ref.	Square piezo (black)
	140-340	cal.340°C knob Max	1500	5x68	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	Left index	Black	Sand knob 0.916.111 L.H. reference	No
	30-100	cal 310	1300	4x72	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	No	Black	No	No
	120-340	cal.340°C knob Max	1300	4x72	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	Without index (0.903.052)	Black	Black knob (0.916.092) L.H. Ref.	No
	100-340		1050	5x68	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	No	Black	No	No
	100-340		1050	5x68	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	No	Black	No	No
	100-340	cal.340°C knob Max	1750	5x68	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	No	Black	No	No
	70-270		1050	5x104	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	No	Black	No	No
	100-340	cal.340°C knob max	1050	4x72	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	No	Black	No	No
	100-340	cal.340°C knob max	1050	4x72	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	No	Black	No	No
	120-340	cal.340°C knob Max	1050	5x68	15-30 mbar Pi 24 Po 20 Flow 1.37 m3/h	0,5	Left index	Black	Black knob (0.916.124) L.H. Ref.	Square piezo (black)
	100-340	cal.340°C knob Max	1750	5x68	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	No	Black	No	No
	50-190	cal.190°C	1200	bicone sealing system	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	Without index (0.903.052)	Black	Black knob (0.916.124) L.H. Ref.	No

Codes	RoHS Version	TC connection	Magnet Unit [Drop out - hold in current, mA]	PTP (1)	Pilot connection	Inlet thread	inlet FLANGE (2)	Inlet elbow orient.	NUT	OLIVE	Reducer	Outlet thread	Outlet FLANGE	Outlet elbow fl. orient.	NUT	OLIVE
0710720		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	3/8"	no		no	no	1/2"-3/8"	3/8"	no	No	no	no
0710724		M10x1	>40 <200	Yes	Ø 4 mm , 16 mm long	3/8"	Elbow 3/8"	Bottom	yes	ø 12 mm		3/8"	elbow 3/8"	Bottom	yes	ø 12 mm
0710740		M9x1	>40 <200	Yes	Ø1/4, 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no
0710741		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no
0710742		M9x1	>40 <200	Yes	Ø 4 mm , 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no
0710743		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	3/8"	Elbow 3/8"	Bottom	no	no		3/8"	elbow 3/8"	Bottom		
0710744		M9x1	>40 <200	Yes	Ø 4 mm , 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no
0710745		M10x1	>40 <200	Yes	Ø 4 mm , 16 mm long	1/2"	no		no	fitted		3/8"	elbow 3/8"	Bottom		
0710746		M10x1	>40 <200	Yes	Ø 4 mm , 16 mm long	3/8"	Elbow 3/8"	Bottom	yes	ø 12 mm		3/8"	elbow 3/8"	Bottom	yes	ø 12 mm
0710747		M9x1	>40 <200	Yes	Ø 6 mm, 16 mm long	3/8"	Elbow 3/8"	Bottom	no	no		3/8"	elbow 3/8"	Bottom		
0710750		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710751		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710752		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710754		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710756		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710757		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710758		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710759		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no

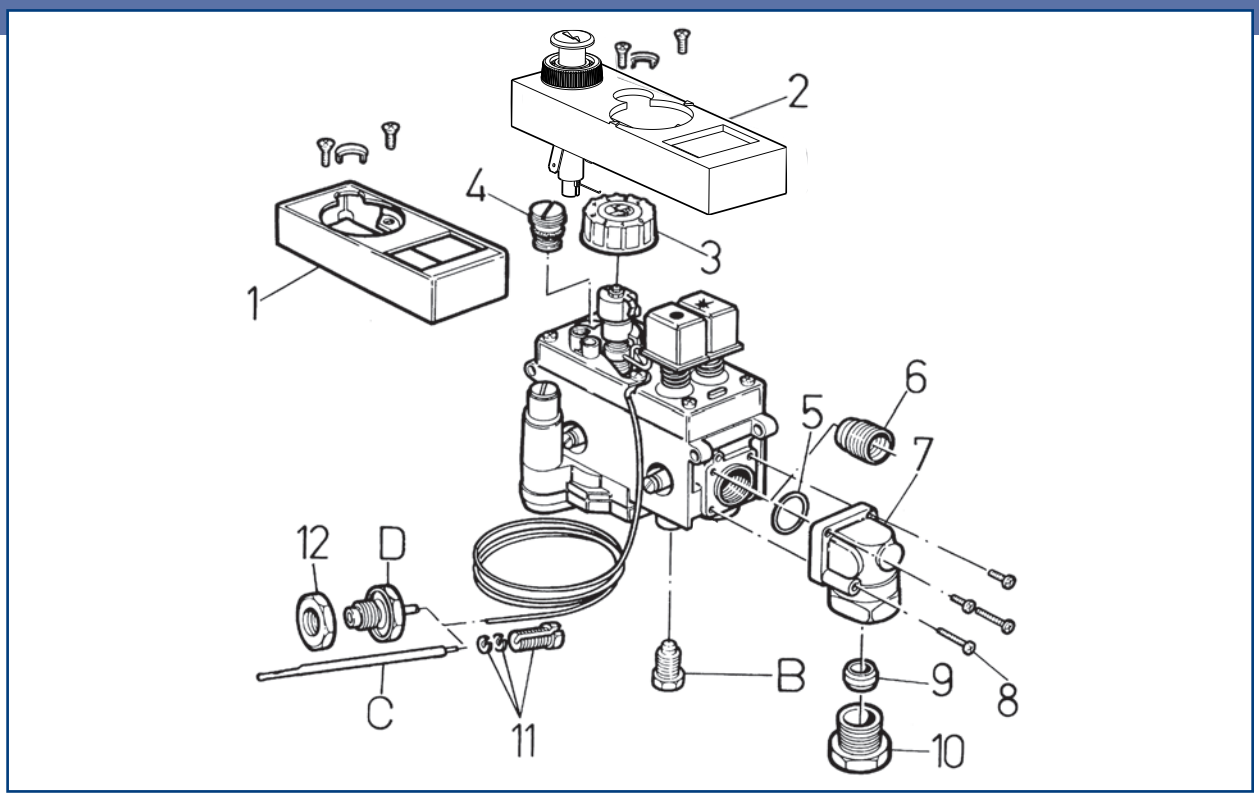
Secondary Outlet	Thermostat range	knob setting	Capillary dimensions (L) [mm]	Bulb dimensions (D, L) [mm]	P.R. or output flow adj.	Minimum rate screw Drilled ø	Cover (sand coloured)	Push buttons colour	Knob	Piezo igniter
	30-100	cal 310	1300	4x72	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	Left index	Black	Black knob (0.916.124) L.H. Ref.	Square piezo (black)
	60-200	cal.200°C			No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	0,5	Left index	Black	Black knob (0.916.124) L.H. Ref.	Square piezo (black)
	120-200	cal.200°C	1050	bicone sea-ling system M14x1.5	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	Left index	Black	Sand knob 0.916.111 L.H. reference	No
	70-210	cal.210°C	1300		No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	No	Black	No	No
	120-200	cal.200°C		bicone sea-ling system M14x1.5	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	Without index (0.903.052)	Black	Black knob (0.916.124) L.H. Ref.	Square piezo (black)
	120-200	cal.200°C		bicone sea-ling system M14x1.5	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	Without index (0.903.052)	Black	Black knob (0.916.124) L.H. Ref.	No
	120-200	cal.200°C		bicone sea-ling system (Rs 3/8)	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	Without index (0.903.052)	Black	Black knob (0.916.124) L.H. Ref.	Square piezo (black)
	140-220	cal.200°C		bicone sea-ling system (3/8NPT)	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	Left index	Black	Black knob (2116225) 0-140-180-220 L.H. reference	Square piezo (black)
	60-200	cal.200°C			3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	0,5	Left index	Black	Black knob (0.916.124) L.H. Ref.	Square piezo (black)
	135-215	cal.215°C		bicone sea-ling system M14x1.5	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	Without index (0.903.052)	Black	Black knob (0.916.124) L.H. Ref.	No
	50-190	cal. 190°C knob max.			No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	No	Black	No	No
	50-190	cal. 190°C knob max.			3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	No	Black	No	No
	50-190	cal.190°C	1050		3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	No	Black	No	No
	110-190	cal.190°C	1050	cap G1/4"x26	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	No	Black	No	No
	110-190	cal.190°C knob max	1050	6x102	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	No	Black	No	No
	110-190	cal.190°C knob max	1050	6x102	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	No	Black	No	No
	110-190	cal.190°C	1050	6x102	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	No	Black	No	No
	120-200	cal.200°C knob max	1050	6x102	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	No	Black	No	No

Codes	RoHS Version	TC connection	Magnet Unit [Drop out - hold in current, mA]	PTP (1)	Pilot connection	Inlet thread	inlet FLANGE (2)	Inlet elbow orient.	NUT	OLIVE	Reducer	Outlet thread	Outlet FLANGE	Outlet elbow fl. orient.	NUT	OLIVE
0710760		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710763		M9x1	>40 <200	Yes	Ø 4 mm , 16 mm long	1/2"	no	side	no	fitted		3/8"	no	No	no	no
0710764		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710817		M9x1	>40 <200	yes	Ø 6 mm, 16 mm long	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710819		M9x1	>40 <200	Yes	Ø1/4, 16 mm long	1/2"	no		no	fitted		3/8"	no	No	no	no
0710850		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710851		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no
0710852		M9x1	>40 <200	yes	No	1/2"	no (2)		no	fitted		3/8"	no (with threaded flanges mounting holes)	No	no	no

(1) W = yes (screw without slot),
C = yes (captured screw)

(2) with threaded flanges mounting holes

Secondary Outlet	Thermostat range	knob setting	Capillary dimensions (L) [mm]	Bulb dimensions (D, L) [mm]	P.R. or output flow adj.	Minimum rate screw Drilled ø	Cover (sand coloured)	Push buttons colour	Knob	Piezo igniter
	110-190	cal.190°C	1050	cap G1/4"x26	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	No	Black	No	No
	120-200	cal.200°C		bicone sea-ling system M14x1.5	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	Without index (0.903.052)	Black	Extension for remote control	No
	110-190	cal.190°C knob max	1050	6x102	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	No	Black	No	No
	40-110	cal. 82°C knob 1 stop end			3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	0,7	Left index	Black	No	No
	40-110	cal.110°C knob max			No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	Left index	Black	Sand knob 0.916.111 L.H. reference	No
	30-100	cal. 100°C knob max	1050	5x122	No P.R. No o.f.adj. inlet&outlet in line (Blanking plate)	Not drilled screw fitted	No	Black	No	No
	30-100	cal. 100°C knob max	1050	5x122	3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	No	Black	No	No
	20-90	cal.90°C	1050		3-18 mbar Pi 15 Po 11 Flow 1.37 m3/h	Not drilled screw fitted	No	Black	No	No



SPARE PARTS

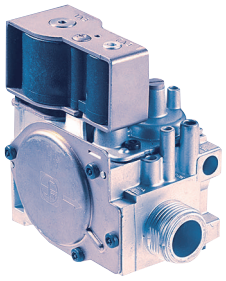
N.	Code	Description	Q.ty	N.	Code	Description	Q.ty
B1	0.958.030	ø 4 mm pilot tube shear-off	10	C7	0.928.086	Thermostat 120-200 °C nickeled	5
B2	0.958.031	ø 6 mm pilot tube shear-off	10	C8	0.928.586	Thermostat 100-200 °C	5
C1	0.928.004	Thermostat 30-90 °C	5	C10	0.928.582	Thermostat 100-340 °C INOX	5
C2	0.928.027	Thermostat 13-38 °C	5	D1	0.928.102	Thermostat 110-190 °C nickeled	5
C3	0.928.561	Thermostat 100-340 °C nickeled	5				
C4	0.928.566	Thermostat 60-200 °C nickeled	5				
C5	0.928.567	Thermostat 30-100 °C nickeled	5				
C6	0.928.587	Thermostat 60-200 °C INOX	5				

ACCESSORIES

N.	Code	Description	Q.ty	N.	Code	Description	Q.ty
1	0.903.052	Sand cover + 2 screws and minimum plug	10	5	0.925.034	O-ring for flanges	10
2a	0.073.203	Sand cover with piezo without index	5	6	0.974.074	Rp 1/2" – 3/8" reducer	10
2b	0.073.208	Sand cover with piezo left index	5	7a	0.906.246	Rp 1/2" elbow flange	10
3a	0.916.092	Black knob (L.H. reference – SHUT-OFF)	10	7b	0.906.252	Rp 3/8" elbow flange	10
3b	0.916.097	Black knob (L.H. reference – manual)	10	8a	0.953.302	Screw for elbow flange Rp 3/8" (order 4)	10
3c	0.916.101	Black knob (R.H. reference SHUT-OFF)	10	8b	0.953.316	Screw for elbow flange Rp 1/2" (order 2)	10
3d	0.916.123	Black knob R.H. reference	100	9a	0.957.004	ø 10 mm olive	10
3e	0.916.124	Black knob L.H. reference	10	9b	0.957.007	ø 12 mm olive	10
4a	0.945.102	Min. rate screw – undrilled	10	9c	0.957.008	ø 16 mm olive	10
4b	0.945.110	Min. rate screw – drilled ø 1.00 mm	10	10a	0.958.015	ø 10 mm tube nut	10
4c	0.945.111	Min. rate screw – drilled ø 1.10 mm	10	10b	0.958.025	ø 12 mm tube nut	10
4d	0.945.112	Min. rate screw – drilled ø 1.20 mm	10	10c	0.958.033	ø 12 mm tube nut (L = 32 mm)	100
4e	0.945.113	Min. rate screw – drilled ø 1.30 mm	100	10d	0.958.027	ø 16 mm tube nut	10
4f	0.945.124	Min. rate screw – drilled ø 1.60 mm	10	11	0.974.502	Sealing gland for fryer	10
4g	0.945.120	Min. rate screw – drilled ø 2.50 mm	10	12	0.992.032	Nut for thermostat	10
4h	0.945.121	Min. rate screw – drilled ø 2.80 mm	100				

Subject to change without notice

Electric Controls



	Safety		Adjustment			
	Thermoelectric	Automatic	On/off	High/low	Modulating	Gas/air
810 ELETTROSIT	●		●			
NOVA SERIES						
820 NOVA	●		●			
822 NOVA		●	●			
824 NOVA	●			●		
825 NOVA	●				●	
826 NOVA		●		●		
827 NOVA		●			●	
822 NOVAMIX		●				●
828 NOVAMIX		●				●
TANDEM SERIES						
830 TANDEM		●	●			
836 TANDEM		●		●		
837 TANDEM		●			●	
SIGMA SERIES						
840 SIGMA		●	●			
843 SIGMA		●		●		
845 SIGMA		●			●	
848 SIGMA		●				●

810 ELETTROSIT

MAIN FEATURES

Ignition button (pilot position) ✷

Main burner ignition enabling button ➧ (manual or automatic version).

Shutdown button ●

Thermoelectric flame failure device with reset interlock.

Near-silent automatic on-off solenoid valve.

Pressure regulator.

Adjuster for gas flow to the pilot burner.

Step ignition device (optional).

Inlet and pilot filters.

Inlet and outlet pressure test points.

Threaded gas inlet and outlet ready for flanged connection.

DESCRIPTION

1 Ignition button (pilot position)

2 Main burner ignition enabling button

3 Shutdown button

4 Pressure regulator setting device

5 Pilot gas flow adjusting screw

6 Step ignition device adjustment screw

7 Pressure regulator override device

8 Inlet pressure test point

9 Outlet pressure test point

10 On-off solenoid valve

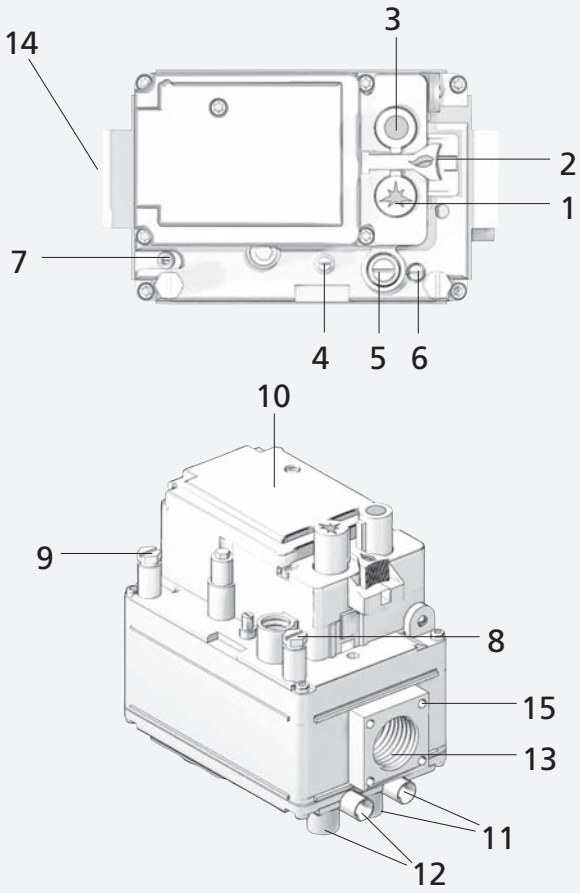
11 Thermocouple connections

12 Pilot outlets

13 Main gas inlet

14 Main gas outlet

15 Holes (M5) for fixing flanges

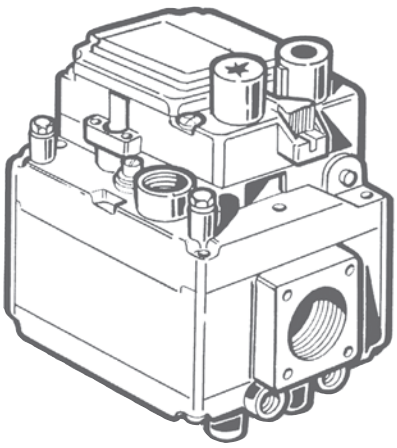


CODES

Codes	Ambient Temperature range [°C]	Inlet-outlet connection thread	Thermocouple connection	Pilot outlet and thermocouple	Power supply	Minimum screw drilled (D) [mm]	Buttons configuration	Third button
0810110	0 to 60	3/4”	11/32”	to the base	24 V-50 Hz	2	A	automatic
0810121	0 to 60	1/2”	9x1	in line	230 V-50 Hz	no	A	manual
0810122	0 to 60	3/4”	9x1	in line	230 V-50 Hz	no	A	manual
0810123	0 to 60	1/2”	9x1	in line	230 V-50 Hz	no	A	manual
0810126	0 to 60	1/2”	9x1	in line	230 V-50 Hz	no	B	automatic
0810130	0 to 60	1/2”	9x1	to the base	230 V-50 Hz	no	A	manual
0810136	0 to 60	1/2”	9x1	to the base	230 V-50 Hz	no	B	automatic
0810138	0 to 60	3/4”	9x1	to the base	230 V-50 Hz	no	A	manual
0810153	0 to 60	3/4”	11/32”	to the base	230 V-50 Hz	no	A	manual
0810156	0 to 60	1/2”	11/32”	to the base	230 V-50 Hz	no	A	manual
0810158	0 to 60	3/4”	9x1	to the base	230 V-50 Hz	2.6	A	manual
0810162	0 to 60	1/2”	11/32”	to the base	24 V-50 Hz	2	A	automatic
0810166	0 to 60	3/4”	9x1	to the base	230 V-50 Hz	no	A	automatic
0810168	0 to 60	1/2”	11/32”	to the base	24 V-50 Hz	no	A	manual
0810170	0 to 60	1/2”	11/32”	in line	230 V-50 Hz	2	A	manual
0810171	0 to 60	3/4”	9x1	to the base	24 V-50 Hz	no	A	manual
0810174	0 to 60	3/4”	11/32”	to the base	230 V-50 Hz	no	A	manual
0810175	0 to 60	3/4”	9x1	in line	230 V-50 Hz	no	B	manual
0810200	0 to 60	3/4”	11/32”	in line	230 V-50 Hz	1.5	A	manual
0818001	0 to 60	3/4”	/	in line	230 V-50 Hz	yes	/	/

CONFIGURATIONS

A



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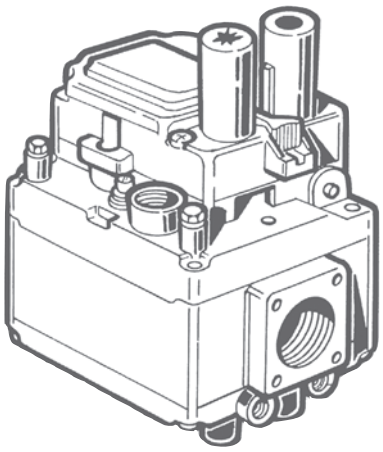
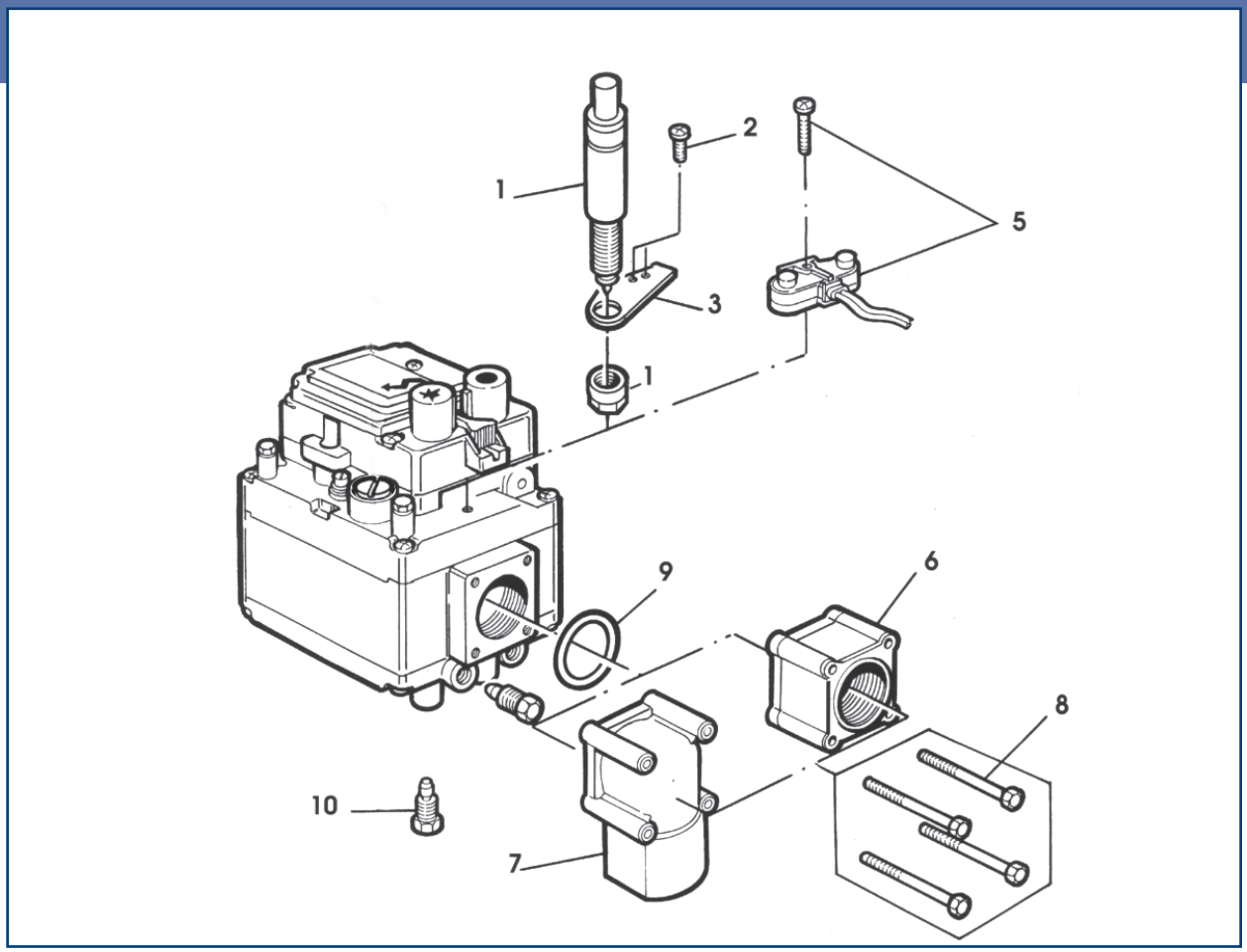




ACCESSORIES

N.	Code	Description	Q.ty
1	0.073.953	Piezo ignition switch	5
2	0.953.303	Screw for support	10
3	0.978.099	Support for piezo igniter	10
5a	0.927.012	Electric ignition switch with cables (L = 920 mm)	10
5b	0.927.011	Electric ignition switch without cables	10
6a	0.906.241	Rp 1/2" straight flange	10
6b	0.906.242	Rp 3/4" straight flange	10
7	0.906.239	Rp 1/2" elbow flange	10
8	0.953.315	Flange screw (4 for flange)	10
9	0.925.026	O-ring for flanges	10
10a	0.958.030	ø 4 mm pilot tube shear-off	10
10b	0.958.031	ø 6 mm pilot tube shear-off	10
10c	0.958.032	ø 1/4" pilot tube shear-off	10

Subject to change without notice

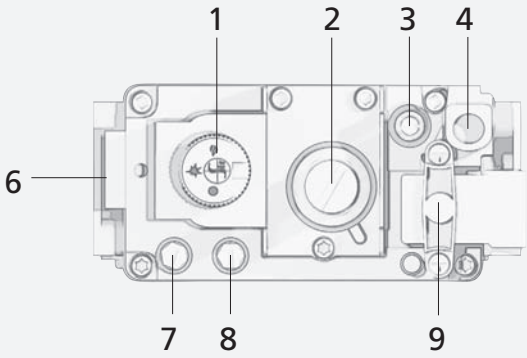
820 NOVA

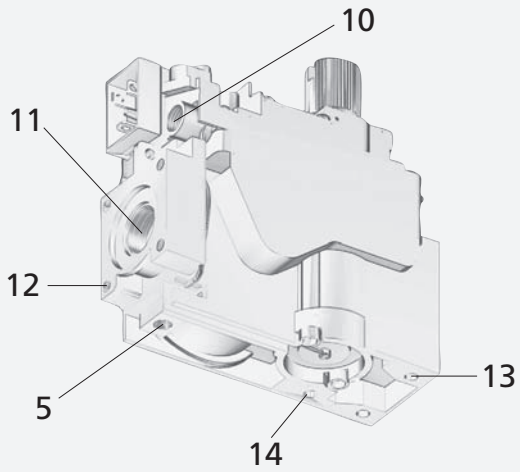
MAIN FEATURES

- Control knob with Off, Pilot and On positions.
- Thermoelectric flame supervision device with re-start interlock.
- Near silent shut-off valve.
- Servo-controlled pressure regulator.
- Step opening ignition device (optional).
- Main gas flow control (optional).
- Pilot outlet with gas flow adjustment screw.
- Inlet and pilot filters.
- Inlet and outlet pressure test points.
- Threaded gas inlet and outlet with provision for flange connection.
- Connection for combustion chamber pressure regulator compensation.

DESCRIPTION

1 Control knob
2 Pressure regulator cap screw
3 Pilot gas rate adjuster
4 Thermocouple connection
5 Alternative thermocouple connection
6 Provision for accessories support bracket
7 Inlet pressure test point
8 Outlet pressure test point
9 Actuation valve
10 Pilot outlet
11 Main gas outlet
12 Holes (M5) for mounting flange
13 Supplementary fixing points for valve
14 Connection point for combustion chamber pressure regulator compensation



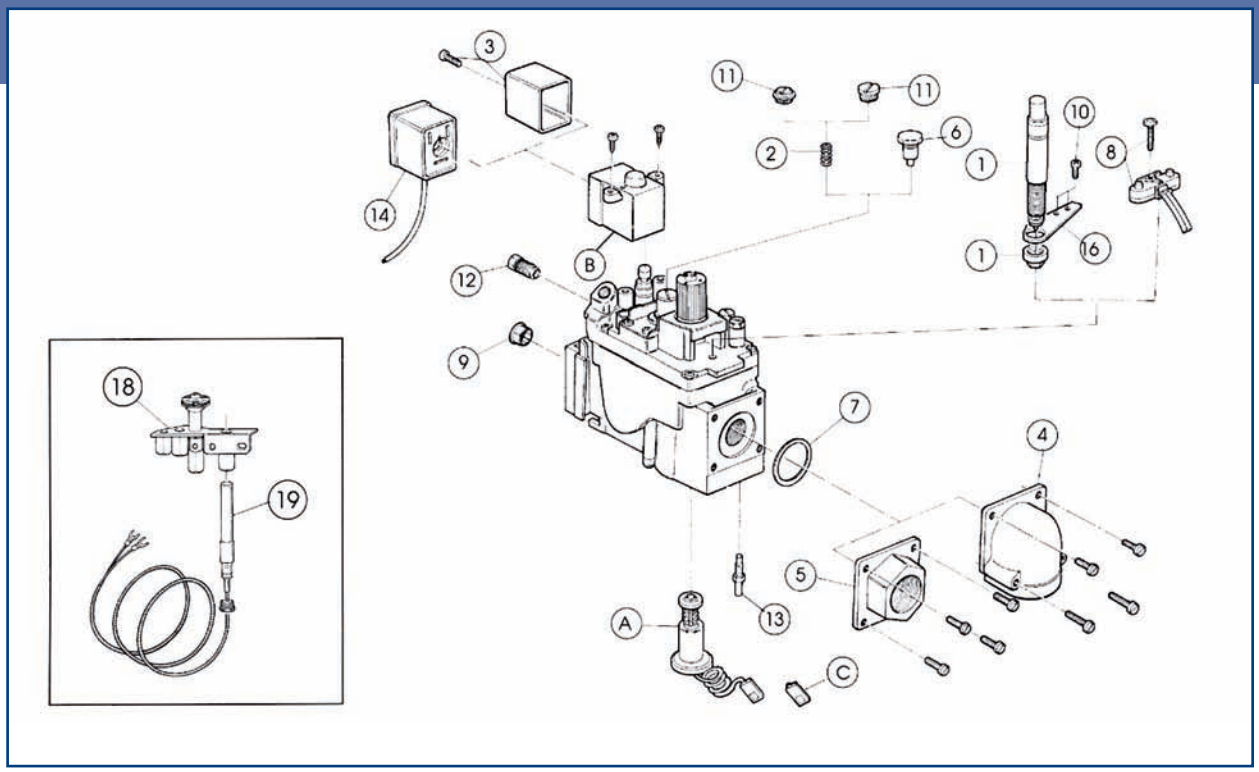


CODES

Codes	Ambient Temp. range	TC connec-tion	Inlet	Outlet	EV Electric supply	EV Class	Step-opening	Pressure regulator	Pressure regulator plug
0820003	-20÷60°C	M 9x1	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Standard-First level press. 3÷5 mbar duration 4÷9 sec	Standard 3-30 mbar	blind
0820009	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	24 V - 50 Hz	D	No step opening	Standard 3-30 mbar	drilled
0820010	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Standard-First level press. 3÷5 mbar duration 4÷9 sec	Standard 3-30 mbar	blind
0820011	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Special-First level press. 2÷3mbar dur. 6÷14s drilled plug	Standard 3-30 mbar	drilled
0820012	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	240 V - 50 Hz		Standard-First level press. 3÷5 mbar duration 4÷9 sec	Standard 3-30 mbar	
0820013	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Standard-First level press. 3÷5 mbar duration 4÷9 sec	Standard 3-30 mbar	blind
0820014	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Special-First level press. 2÷3mbar dur. 6÷14s standard plug	Standard 3-30 mbar	blind
0820016	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	24 V - 50 Hz	D	Special-First level press. 2÷3mbar dur. 6÷14s drilled plug	Standard 3-30 mbar	drilled
0820017	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Standard-First level press. 3÷5 mbar duration 4÷9 sec	Standard 3-30 mbar	blind
0820018	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	No step opening	Standard 3-30 mbar	blind
0820019	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Special-First level press. 6÷10 mbar duration 4÷9 s	Out of service with PR exclusion screw	exclusion RP
0820020	0÷70°C	11/32" ASA	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Standard-First level press. 3÷5 mbar duration 4÷9 sec	Standard 3-30 mbar	blind
0820021	0÷70°C	11/32" ASA	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Standard-First level press. 3÷5 mbar duration 4÷9 sec	Standard 3-30 mbar	blind
0820023	0÷70°C	11/32" ASA	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	C	Special-First level press. 6÷10 mbar duration 4÷9 s	Out of service with PR exclusion screw	
0820025	0÷70°C	11/32" ASA	RP 1/2"	RP 1/2"	24 V - 50 Hz	D	Standard-First level press. 3÷5 mbar duration 4÷9 sec	Standard 3-30 mbar	blind
0820026	0÷70°C	11/32" ASA	RP 1/2"	RP 1/2"	24 V - 50 Hz	D	Standard-First level press. 3÷5 mbar duration 4÷9 sec	Standard 3-30 mbar	blind
0820028	0÷70°C	11/32" ASA	RP 1/2"	RP 1/2"	24 V - 50 Hz	D	No step opening	Standard 3-30 mbar	blind
0820029	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Special-First level press. 1.2÷2.2 mbar duration 4÷9 s	Standard 3-30 mbar	
0820030	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	240 V - 50 Hz	D	Standard-First level press. 3÷5 mbar duration 4÷9 sec	Standard 3-30 mbar	
0820031	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	No step opening	5 - 50 mbar	blind
0820032	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Special-First level press. 2÷3mbar dur. 6÷14s standard plug	5 - 50 mbar	blind
0820033	0÷70°C	11/32" ASA	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Special-First level press. 6÷10 mbar duration 4÷9 s	Out of service with PR exclusion screw	blind
0820034	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Standard-First level press. 3÷5 mbar duration 4÷9 sec	5 - 50 mbar (set: out of service)	exclusion RP
0820037	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	24 V - 50 Hz	D	No step opening	5 - 50 mbar	blind
0820042	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	No step opening	Standard 3-30 mbar	blind
0820050	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Standard-First level press. 3÷5 mbar duration 4÷9 sec	Standard 3-30 mbar	blind
0820052	0÷70°C	11/32" ASA	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Standard-First level press. 3÷5 mbar duration 4÷9 sec	Standard 3-30 mbar	blind
0820053	0÷70°C	11/32" ASA	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Special-First level press. 2÷3mbar dur. 6÷14s drilled plug	Standard 3-30 mbar	drilled
0820054	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Standard-First level press. 3÷5 mbar duration 4÷9 sec	Standard 3-30 mbar	blind
0820055	0÷70°C	11/32" ASA	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Special-First level press. 7-10 mbar duration 4-9 s	Standard 3-30 mbar	blind
0820056	0÷70°C	11/32" ASA	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Special-First level press. 7-10 mbar duration 4-9 s	Standard 3-30 mbar	blind
0820060	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	220 V - 60 Hz	D	Standard-First level press. 3÷5 mbar duration 4÷9 sec	Standard 3-30 mbar	blind
0820062	0÷70°C	11/32" ASA	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	No step opening	5 - 50 mbar	
0820063	0÷70°C	11/32" ASA	RP 1/2"	RP 1/2"	220/240 V - 50 Hz	D	Standard-First level press. 3÷5 mbar duration 4÷9 sec	5 - 50 mbar	
0820125	0÷70°C	11/32" ASA	RP 1/2"	RP 1/2"	24 V - 50 Hz	D	Standard-First level press. 3÷5 mbar duration 4÷9 sec	Standard 3-30 mbar	blind
0820126	0÷70°C	11/32" ASA	RP 1/2"	RP 1/2"	24 V - 50 Hz	D	Special-First level press. 2÷3mbar dur. 6÷14s standard plug	Standard 3-30 mbar	blind
0820301	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	Millivoltage version	/	No step opening	5 - 50 mbar (set: out of service)	blind
0820302	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	Millivoltage version	/	No step opening	Standard 3-30 mbar	
0820303	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	Millivoltage version	/	Standard-First level press. 3÷5 mbar duration 4÷9 sec	Standard 3-30 mbar	blind
0820331	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	Millivoltage version	/	No step opening	Manual HI-LO 25% for GPL (Europe version)	
0820332	0÷70°C	M 9x1	RP 1/2"	RP 1/2"	Millivoltage version	/	No step opening	Manual HI-LO 33% for N. G. (Europe version)	
0820522	32÷175°F	11/32" ASA	1/2" NPT	1/2" NPT	24 V - 60 Hz	/	Standard-First level press. 3÷5 mbar duration 4÷9 sec	N. G. version (set at 3.5" Pi=7" Q=30000 Btu)	blind

Codes	Ambient Temp. range	TC connec-tion	Inlet	Outlet	EV Electric supply	EV Class	Step-opening	Pressure regulator	Pressure regulator plug
0820605	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO NG (set at 3.8" Pi=7" Q=30000 Btu) LO 1.1"	
0820615	32÷175°F	M 8x1	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	GPL version (set at 10" Pi=12" Q=30000 Btu)	
0820616	32÷175°F	M 8x1	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	N. G. version (set at 3.5" Pi=7" Q=30000 Btu)	
0820617	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	GPL version (set at 10" Pi=12" Q=30000 Btu)	
0820618	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	N. G. version (set at 3.5" Pi=7" Q=30000 Btu)	
0820634	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO 33% for N. G. (set at 3.5" Pi=7" Q=30000 Btu)	
0820635	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO 20% for N. G. (set at 3.5" Pi=7" Q=30000 Btu)	
0820636	32÷175°F	M 8x1	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO 25% for GPL (set at 10" Pi=12" Q=30000 Btu)	
0820637	32÷175°F	M 8x1	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO 33% for N. G. (set at 3.5" Pi=7" Q=30000 Btu)	
0820638	32÷175°F	M 8x1	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO 20% for N. G. (set at 3.5" Pi=7" Q=30000 Btu)	
0820639	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO 25% for GPL (set at 10" Pi=12" Q=30000 Btu)	
0820640	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO 33% for N. G. (set at 3.5" Pi=7" Q=30000 Btu)	
0820644	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO NG (set at 3.8" Pi=7" Q=30000 Btu) LO 1.1"	
0820645	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO GPL (set at 11" Pi=16" Q=30000 Btu) LO 2.9"	
0820646	32÷175°F	M 8x1	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO 33% for N. G. (set at 5" Pi=7" Q=30000 Btu)	
0820647	32÷175°F	M 8x1	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO GPL (set at 10" Pi=12" Q=30000 Btu) LO 3.6"	
0820648	32÷175°F	M 8x1	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO NG (set at 3.5" Pi=7" Q=30000 Btu) LO 1.3"	
0820651	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO 25% for GPL (set at 10" Pi=12" Q=30000 Btu)	
0820652	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO 33% for N. G. (set at 3.5" Pi=7" Q=30000 Btu)	
0820653	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO GPL (set at 10" Pi=12" Q=30000 Btu) LO 3.6"	
0820654	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO NG (set at 3.5" Pi=7" Q=30000 Btu) LO 0.9"	
0820656	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	N. G. version (set at 3.5" Pi=7" Q=30000 Btu)	
0820657	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	GPL version (set at 10" Pi=12" Q=30000 Btu)	
0820658	32÷175°F	11/32" ASA	1/2" NPT	1/2" NPT	Millivoltage version	/	No step opening	N. G. version (set at 4" Pi=7" Q=100000 Btu)	
0820659	32÷175°F	11/32" ASA	1/2" NPT	1/2" NPT	Millivoltage version	/	No step opening	GPL version (set at 11" Pi=12" Q=100000 Btu)	
0820662	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	N. G. version (set at 3.5" Pi=7" Q=30000 Btu) Conv. to GPL	

Codes	Ambient Temp. range	TC connec-tion	Inlet	Outlet	EV Electric supply	EV Class	Step-opening	Pressure regulator	Pressure regulator plug
0820703	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO NG (set at 3.5" Pi=7" Q=30000 Btu) LO 0.9"	
0820704	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO 33% for N. G. (set at 3.5" Pi=7" Q=30000 Btu)	
0820705	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO 25% for GPL (set at 10" Pi=12" Q=30000 Btu)	
0820706	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO 20% NG (set at 3.5" Pi=7" Q=30000 Btu) Blue dot	
0820707	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO GPL (set at 10" Pi=12" Q=30000 Btu) LO 3.6"	
0820708	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	Manual HI-LO NG (set at 3.5" Pi=7" Q=30000 Btu) LO 1.3"	
0820805	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	NG 3.8"-1.1" & GPL 11-2.9"	
0820844	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	NG 3.8"-1.1" & GPL 11-2.9"	
0820852	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	NG 3.5"-1.6" & GPL 10"-6.3"	
0820880	32÷175°F	11/32" ASA	3/8" NPT	3/8" NPT	Millivoltage version	/	No step opening	NG 3.5"-1.3" & GPL 10"-5.2"	



SPARE PARTS

N.	Code	Description	Q.ty	N.	Code	Description	Q.ty
A	0.006.245	Magnet unit with lead-faston and insulating plate	5	B3	0.967.066	EV2 220-240 V – 50 Hz solenoid with top exit and screws	5
B1	0.967.064	EV2 220-240 V – 50 Hz solenoid and screws	5	B4	0.967.079	EV2 220 – 60 Hz solenoid and screws	20
B2	0.967.065	EV2 24V – 50 Hz solenoid and screws	5	C	0.994.014	Thermocouple insulating plate connection	100

ACCESSORIES

N.	Code	Description	Q.ty	N.	Code	Description	Q.ty
1	0.073.953	Piezoelectric ignition switch with nut	5	10	0.953.304	M4x25 screw for piezo support	100
2	0.900.195	Pressure regulator spring 20-50 mbar	10	11a	0.954.034	P.R. plug for L.P.G. use	10
3	0.903.094	Cover for EV2 solenoid including screw	10	11b	0.954.043	Pressure regulator plug	100
4a	0.906.258	Rp 3/4" elbow flange with O-ring and 4 screws	10	12a	0.958.030	ø 4 mm pilot tube shear-off	10
4b	0.906.260	Rp 1/2" elbow flange with O-ring and 4 screws	10	12b	0.958.031	ø 6 mm pilot tube shear-off	10
4c	0.906.264	1/2" elbow flange	100	12c	0.958.032	ø 1/4" pilot tube shear-off	10
5a	0.906.259	Rp 3/4" straight flange with O-ring and 4 screws	10	13a	0.958.057	N.G. vent connection	100
5b	0.906.269	Rp 1/2" straight flange	100	13b	0.958.058	L.P.G. vent connection (where expected)	100
5c	0.906.261	Rp 1/2" straight flange with O-ring and 4 screws	10	14a	0.960.0.15	EV2 plug and lead L = 1,000 mm	10
6	0.907.037	Pressure regulator exclusor	10	14b	0.960.019	EV2 plug L = 1,000 mm earth hole larger- no earth cable	20
7	0.925.054	O-ring for flange	10	16	0.978.099	Support for piezo igniter	10
8a	0.927.011	Electric ignition switch without cables	10				
8b	0.927.012	Electric ignition switch with cables (L = 920 mm)	10				
9	0.947.033	Outlet filter	100				

ACCESSORIES for 820 NOVA mV

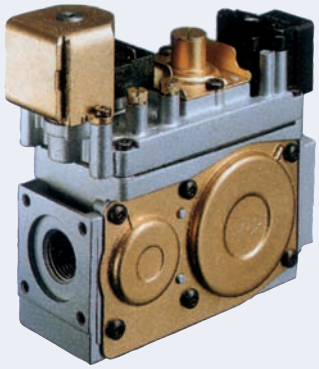
N.	Code	Description	Q.ty
18	0.190.603	Pilot burner	10
19a	0.940.001	Millivoltage generator L = 480 mm	10
19b	0.940.002	Millivoltage generator L = 580 mm	10

Subject to change without notice

822 NOVA

MAIN FEATURES

- Two near-silent automatic shut-off valves.
- Servo-controlled pressure regulator.
- Step ignition device (optional).
- Pilot outlet with gas flow restrictor.
- Inlet and pilot filters.
- Inlet and outlet pressure test points.
- Threaded gas inlet and outlet with provision for flange connection.
- Connection for pressure regulator/combustion chamber compensation.



DESCRIPTION

1 Shut-off solenoid valve EV1

2 Pressure regulator setting device

3 Pilot gas flow restrictor

4 Inlet pressure test point

5 Outlet pressure test point

6 Shut-off solenoid valve EV2

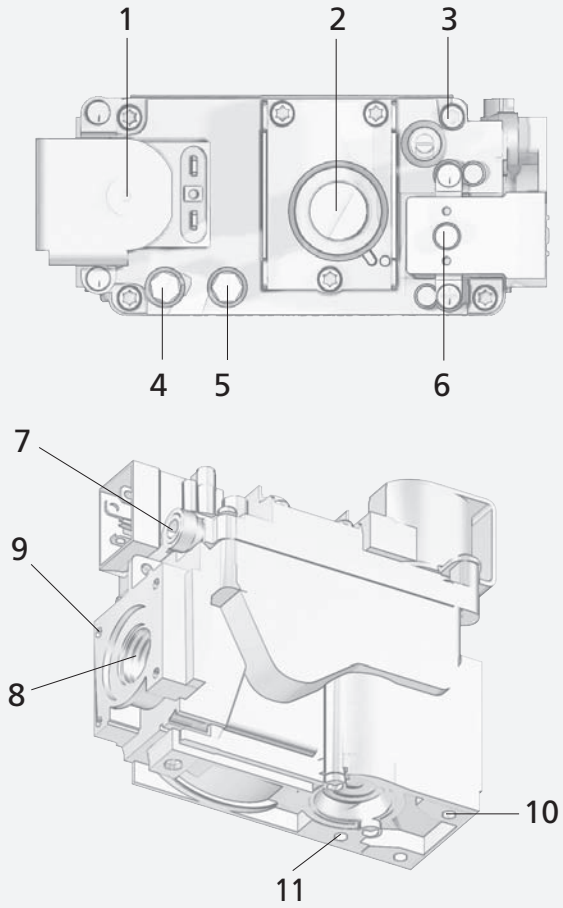
7 Pilot outlet

8 Main gas outlet

9 Holes (M5) for fixing flanges

10 Supplementary valve body fixing points

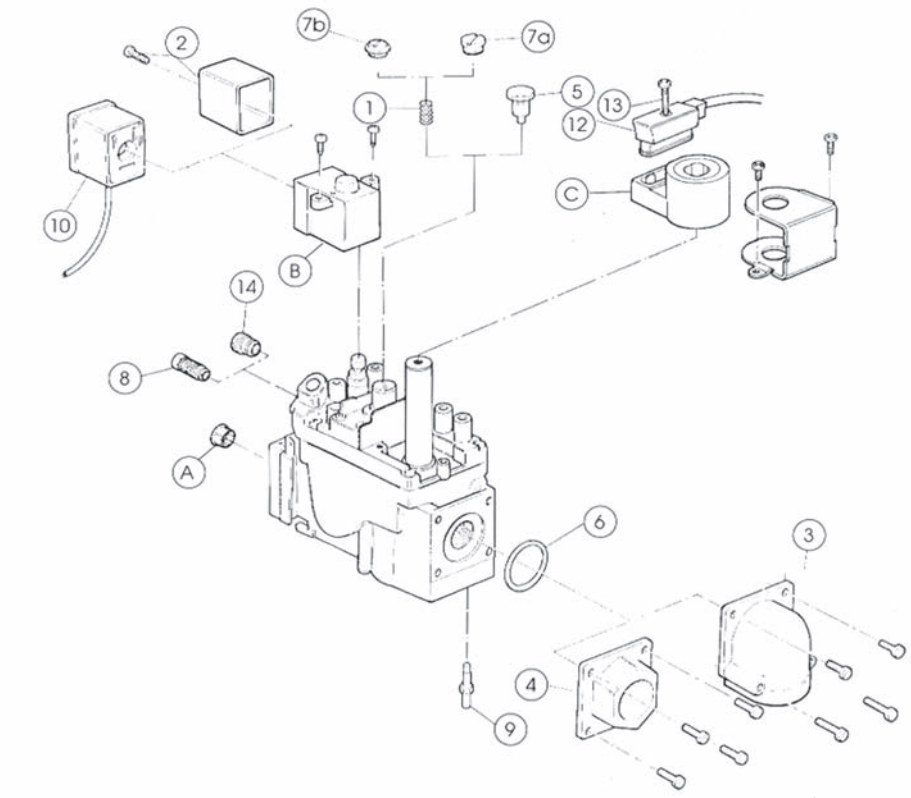
11 Connection for pressure regulator/ combustion chamber compensation



CODES

Codes	Ambient Temperature range	Inlet	Outlet	EV Electric supply	EV Class	Step-opening	Pilot outlet nut
0822001	-20÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	No step-opening	Plug fitted -20°C (M10x1 code 3172067)
0822002	-20÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	Special-first level pressure 6÷10 mbar duration 4÷9 sec	Plug fitted -20°C (M10x1 code 3172067)
0822072	32÷175 °F	3/8 NPT	3/8 NPT	24 V - 60 Hz	B+D	NO step-opening, Press. regul. GPL (12" 10" 30000BTU)	Shear-off nut fitted 7/16 UNS 1/4 (code 0958042)
0822073	32÷175 °F	3/8 NPT	3/8 NPT	24 V - 60 Hz	B+D	NO step-opening, Press. regul. NG (7" 3.5" 30000BTU)	Shear-off nut fitted 7/16 UNS 1/4 (code 0958042)
0822110	0÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	Standard-first level pressure 3÷5 mbar duration 4÷9 sec	Not fitted
0822111	0÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	Special-first level press.2÷3mbar dur.6÷14sec drilled plug	Not fitted
0822112	0÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	Special-first level pressure 6÷10 mbar duration 4÷9 sec	Plug fitted (M10x1 code 0.972.041)
0822113	0÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	Standard-first level pressure 3÷5 mbar duration 4÷9 sec	Plug fitted (M10x1 code 0.972.041)
0822114	0÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	No step-opening	Plug fitted (M10x1 code 0.972.041)
0822115	0÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	Special-first level press.2÷3mbar dur.6÷14sec normal plug	Plug fitted (M10x1 code 0.972.041)
0822117	0÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	Standard-first level pressure 3÷5 mbar duration 4÷9 sec	Not fitted
0822118	0÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	Special-first level pressure 6÷10 mbar duration 4÷9 sec	Plug fitted (M10x1 code 0.972.041)
0822119	0÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	No step-opening	Plug fitted (M10x1 code 0.972.041)
0822120	0÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	Standard-first level pressure 7÷10 mbar duration 4÷9 sec	Plug fitted (M10x1 code 0.972.041)
0822121	0÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	Special-first level press.2÷3mbar dur.6÷14sec normal plug	Plug fitted (M10x1 code 0.972.041)
0822122	0÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+C	No step-opening	Plug fitted (M10x1 code 0.972.041)
0822123	0÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	Special-first level press.2÷3mbar dur.6÷14sec drilled plug	Not fitted
0822124	0÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	Special-first level pressure 6÷10 mbar duration 4÷9 sec	Plug fitted (M10x1 code 0.972.041)
0822125	0÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	Special-first level press.2÷3mbar drilled plug, 2 orifice	Plug fitted (M10x1 code 0.972.041)
0822126	0÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	No step-opening	Plug fitted (M10x1 code 0.972.041)
0822127	0÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	No step-opening	Plug fitted (M10x1 code 0.972.041)

Codes	Ambient Temperature range	Inlet	Outlet	EV Electric supply	EV Class	Step-opening	Pilot outlet nut
0822128	0÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	Special-first level pressure 7÷10 mbar duration 4÷9 sec	Plug fitted (M10x1 code 0.972.041)
0822130	0÷60 °C	Rp 1/2	Rp 1/2	24 V - 50 Hz	B+D	Standard-first level pressure 3÷5 mbar duration 4÷9 sec	Not fitted
0822132	0÷60 °C	Rp 1/2	Rp 1/2	24 V - 50 Hz	B+D	No step-opening	Plug fitted (M10x1 code 0.972.041)
0822133	0÷60 °C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	Special-first level pressure 4.5÷6.5 mbar duration7÷11 sec	Plug fitted (M10x1 code 0.972.041)
0822160	0÷60 °C	Rp 1/2	Rp 1/2	220 V - 60 Hz	B+D	Standard-first level pressure 3÷5 mbar duration 4÷9 sec	Not fitted
0822631	32÷175 °F	3/8 NPT	3/8 NPT	24 V - 60 Hz	B+D	NO step-opening, manual HI-LO 25% GPL (12" 10" 30000BTU)	Not fitted
0822632	32÷175 °F	3/8 NPT	3/8 NPT	24 V - 60 Hz	B+D	NO step-opening, manual HI-LO 33% NG (7" 3.5" 30000BTU)	Not fitted
0822633	32÷175 °F	3/8 NPT	3/8 NPT	24 V - 60 Hz	B+D	NO step-opening, manual HI-LO 20% NG (7" 3.5" 30000BTU)	Shear-off nut fitted 7/16 UNS 1/4 (code 0958042)
0822634	32÷175 °F	3/8 NPT	3/8 NPT	24 V - 60 Hz	B+D	NO step-opening, manual HI-LO 33% NG (7" 3.5" 30000BTU) Lo=1,3	Not fitted



SPARE PARTS

N.	Code	Description	Q.ty
A	0.947.033	Outlet filter	100
B1	0.967.064	EV2, 220/240 V, 50 Hz solenoid and screws	5
B2	0.967.066	EV2, 220/240 V, 50 Hz solenoid with top exit and screws	5
B3	0.967.065	EV2, 24 V, 50 Hz solenoid and screws	5
C1	0.967.128	EV1, 220/240 V, 50 Hz solenoid	5
C2	0.967.132	EV1, 24 V, 50 Hz solenoid	5
C3	0.967.133	EV1, 220 V, 60 Hz solenoid	5

ACCESSORIES

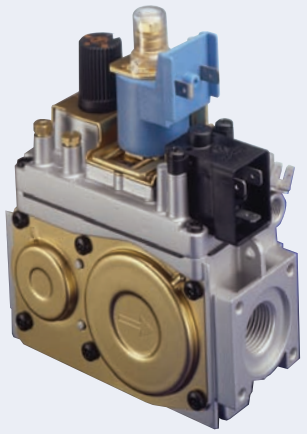
N.	Code	Description	Q.ty
1	0.900.195	Pressure regulator spring 20-50 mbar	10
2	0.903.094	Cover for EV2 solenoid including screw	10
3a	0.906.258	Rp 3/4" elbow flange with O-ring and 4 screws	10
3b	0.906.260	Rp 1/2" elbow flange with O-ring and 4 screws	10
4a	0.906.259	Rp 3/4" straight flange with O-ring and 4 screws	10
4b	0.906.261	Rp 1/2" straight flange with O-ring and 4 screws	10
5	0.907.037	Pressure regulator exclusor	10
6	0.925.054	O-ring per flange	10
7a	0.954.034	P.R. plug for L.P.G. use	100
7b	0.954.043	P.R. plug for 0.822.111	100
8a	0.958.030	ø 4 mm pilot tube shear-off	10
8b	0.958.031	ø 6 mm pilot tube shear-off	10
8c	0.958.032	ø 1/4" pilot tube shear-off	10
9a	0.958.057	N.G. vent connection	100
9b	0.958.058	L.P.G. vent connection	100
10-12	0.960.126	EV1-EV2 double plug and lead L = 610 mm	20
10a	0.960.115	EV2 plug and lead L = 1,000 mm	10
12a	0.960.117	EV1 plug and lead L = 905 mm	10
12b	0.960.119	EV1 tinned plug and lead L = 1,090 mm	10
12c	0.960.120	EV1 tinned plug and lead L = 540 mm	10
12d	0.960.121	EV1 plug and lead L = 540 mm	10
13	0.960.125	EV1 M3x22 screw for plug and lead	10
14	0.972.041	Plug for the pilot outlet M10x1 with O-ring	100

Subject to change without notice

824-825 NOVA

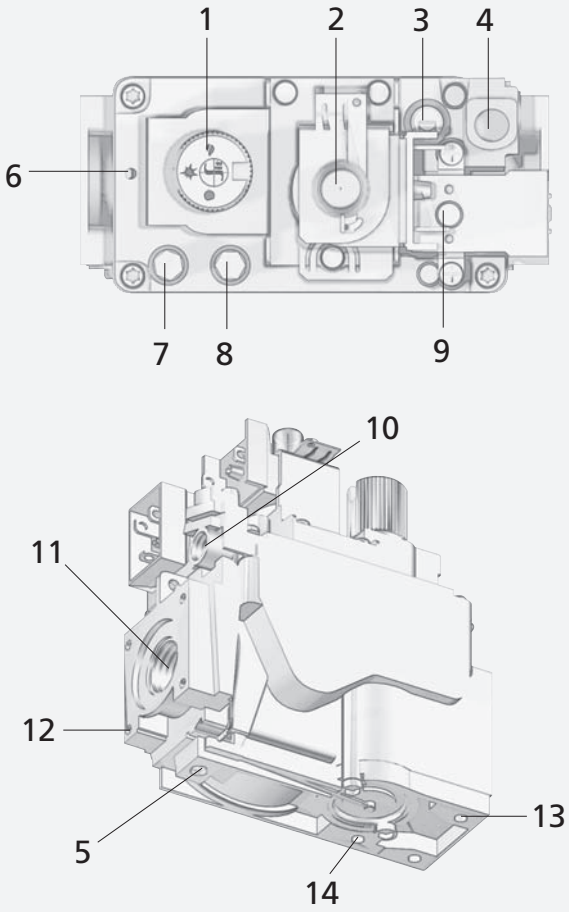
MAIN FEATURES

- Electric gas flow modulating device with mechanical adjuster for minimum and maximum gas outlet pressure: stepped (824 NOVA) or continuous (825 NOVA).
- Three position (off, pilot, on) control knob.
- Thermoelectric flame failure device with restart interlock.
- Near-silent automatic shut-off valve.
- Servo-controlled pressure regulator.
- Step ignition device (optional).
- Pilot outlet with gas flow restrictor.
- Inlet and pilot filters.
- Inlet and outlet pressure test points.
- Threaded gas inlet and outlet with provision for flange connection.
- Connection for pressure regulator/combustion chamber compensation.



DESCRIPTION

1 Control knob
2 Gas pressure modulating device
3 Adjustment screw for gas flow to the pilot
4 Thermocouple connector
5 Alternative thermocouple connector
6 Provision for accessories support bracket
7 Inlet pressure test point
8 Outlet pressure test point
9 ON-OFF solenoid valve
10 Pilot outlet
11 Main gas outlet
12 Holes (M5) for fixing flanges
13 Supplementary valve body fixing points
14 Connection for pressure regulator/ combustion chamber compensation



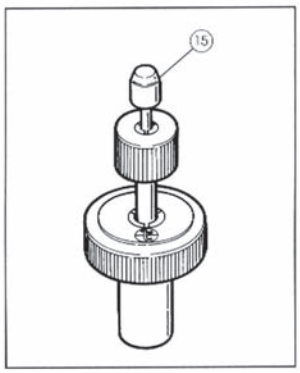
CODES

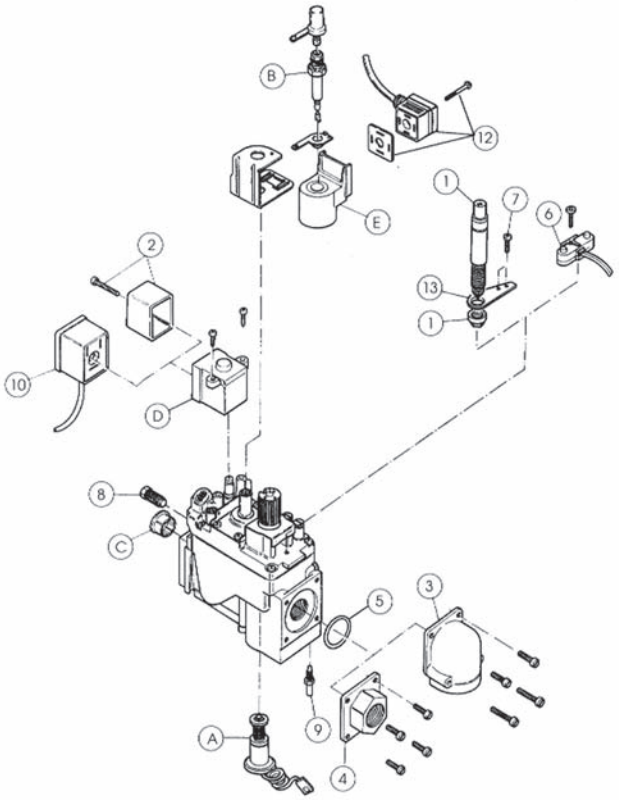
824 NOVA

Codes	Ambient Temperature range	Inlet	Outlet	EV Electric supply	EV Class	TC connection	Pressure regulator	Step opening
0824010	0 to 60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	D	M 9x1	2-50 mbar - (black screw) (green solenoid) 230 V	Standard step opening: 3÷5 mbar
0824011	0 to 60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	D	M 9x1	2-50 mbar - (black screw) (green solenoid) 230 V	No step opening
0824012	0 to 60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	D	11/32 ASA	2-50 mbar - (black screw) (green solenoid) 230 V	Standard step opening: 3÷5 mbar
0824013	0 to 60°C	Rp 1/2	Rp 1/2	24 V - 50 Hz	D	M 9x1	2-50 mbar - (black screw) (brown solenoid) 24 V	No step opening

825 NOVA

Codes	Ambient Temperature range	Inlet	Outlet	EV Electric supply	EV Class	TC connection	Pressure regulator	Step opening
0825010	0 to 60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	D	11/32" ASA	2-20 mbar 28V	Standard step opening (3÷5 mbar)
0825011	0 to 60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	D	M9x1	3-37 mbar 28V	Standard step opening (3÷5 mbar)
0825013	0 to 60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	D	M9x1 with ECO connection	2-20 mbar 28V and special calibration (3.5 - 15 mbar)	Standard step opening (3÷5 mbar)
0825015	0 to 60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	D	11/32" ASA	3-37 mbar 28V	Standard step opening (3÷5 mbar)
0825017	0 to 60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	D	11/32" ASA	3-37 mbar 28V	No step opening
0825019	0 to 60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	D	11/32" ASA	2-18 mbar 16V white solenoid	Standard step opening (3÷5 mbar)
0825020	0 to 60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	D	M9x1	3-37 mbar 16V	Special step opening (2÷3mbar)
0825021	0 to 60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	D	M9x1	3-37 mbar 16V	No step opening
0825023	0 to 60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	D	11/32" ASA	3-37 mbar 28V	Standard step opening (3÷5 mbar)
0825024	0 to 60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	D	M9x1 with ECO connection	2-20 mbar 28V and special calibration (3.5 - 15 mbar)	Standard step opening (3÷5 mbar)
0825030	0 to 60°C	Rp 1/2	Rp 1/2	24 V - 50 Hz	D	M9x1	2-20 mbar 28V	Standard step opening (3÷5 mbar)
0825031	0 to 60°C	Rp 1/2	Rp 1/2	24 V - 50 Hz	D	M9x1	3-37 mbar 28V	Standard step opening (3÷5 mbar)
0825032	0 to 60°C	Rp 1/2	Rp 1/2	24 V - 50 Hz	D	M9x1	7-50 mbar 28V	Standard step opening (3÷5 mbar)
0825036	0 to 60°C	Rp 1/2	Rp 1/2	24 V - 50 Hz	D	11/32" ASA	3-37 mbar 28V	Standard step opening (3÷5 mbar)
0825039	0 to 60°C	Rp 1/2	Rp 1/2	24 V - 50 Hz	D	11/32" ASA	2-20 mbar 28V and special calibration (3.15 - 16.15 mbar)	Special step opening (2÷3mbar)
0825636	32 to158°F	3/8 NPT	3/8 NPT	Millivoltage version	D	11/32" ASA	9-25 mbar 28V	No step opening





SPARE PARTS

N.	Code	Description	Q.ty
A	0.006.245	Magnet unit with lead-faston and insulating plate	5
B1	0.928.850	Modulating cartridge 2-20 mbar (825 NOVA)	5
B2	0.928.851	Modulating cartridge 3-37 mbar (825 NOVA)	5
B3	0.928.852	Modulating cartridge 7-50 mbar (825 NOVA)	5
C	0.947.033	Outlet filter	100
D1	0.967.064	EV2, 220/240 V, 50 Hz solenoid and screws	5
D2	0.967.065	EV2, 24 V, 50 Hz solenoid and screws	5
D3	0.967.066	EV2, 220/240 V, 50 Hz solenoid with top exit and screws	5
E1	0.967.135	220 V modulating solenoid (824 NOVA) rectified AC	5
E2	0.967.097	Modulating solenoid for 825 NOVA	5

ACCESSORIES

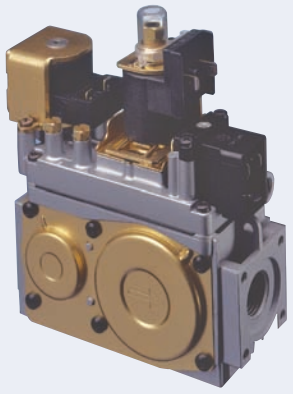
N.	Code	Description	Q.ty
1	0.073.953	Piezoelectric ignition switch with nut	5
2	0.903.094	Cover for EV2 solenoid including screw	10
3a	0.906.258	Rp 3/4" elbow flange with O-ring and 4 screws	10
3b	0.906.260	Rp 1/2" elbow flange with O-ring and 4 screws	10
4a	0.906.259	Rp 3/4" straight flange with O-ring and 4 screws	10
4b	0.906.261	Rp 1/2" straight flange with O-ring and 4 screws	10
5	0.925.054	O-ring for flange	10
6a	0.927.011	Electric ignition switch without cables	10
6b	0.927.012	Electric ignition switch with cables (L = 920 mm)	10
7	0.953.303	M4x8 screw for piezo support	10
8a	0.958.030	ø 4 mm pilot tube shear-off	10
8b	0.958.031	ø 6 mm pilot tube shear-off	10
8c	0.958.032	ø 1/4" pilot tube shear-off	10
9	0.958.057	N.G. vent connection	100
10a	0.960.015	EV2 plug and lead L = 1,000 mm	10
10c	0.960.019	EV2 plug L = 1,000 mm earth hole larger – no earth cable	20
12	0.960.018	Step modulator plug with integrated rectified circuit (824)	5
13	0.978.099	Support for piezo igniter	10
15	0.999.994	Min-max modulator adjusting tool	5

Subject to change without notice

826-827 NOVA

MAIN FEATURES

- Electric gas flow modulating device with mechanical adjuster for minimum and maximum gas outlet pressure: stepped (826 NOVA) or continuous (827 NOVA).
- Two near-silent automatic shut-off valves.
- Servo-controlled pressure regulator.
- Step ignition device (optional).
- Pilot outlet with gas flow restrictor.
- Inlet and pilot filters.
- Inlet and outlet pressure test points.
- Threaded gas inlet and outlet with provision for flange connection.
- Connection for pressure regulator/combustion chamber compensation.



DESCRIPTION

1 On-off solenoid valve EV1

2 Gas pressure modulating device

3 Adjustment screw for gas flow to the pilot

4 Inlet pressure test point

5 Outlet pressure test point

6 On-off solenoid valve EV2

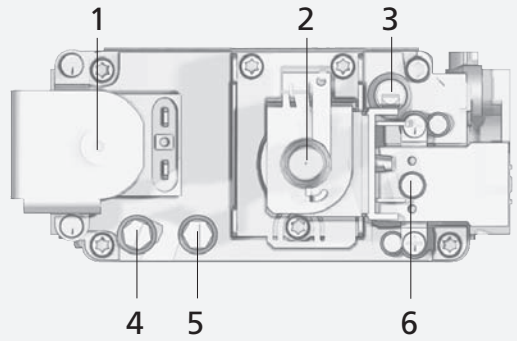
7 Pilot outlet

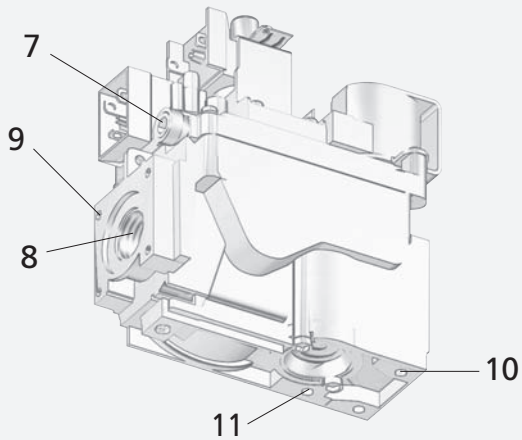
8 Main gas outlet

9 Holes (M5) for fixing flanges

10 Supplementary valve body fixing points

11 Connection for pressure regulator/ combustion chamber compensation





CODES

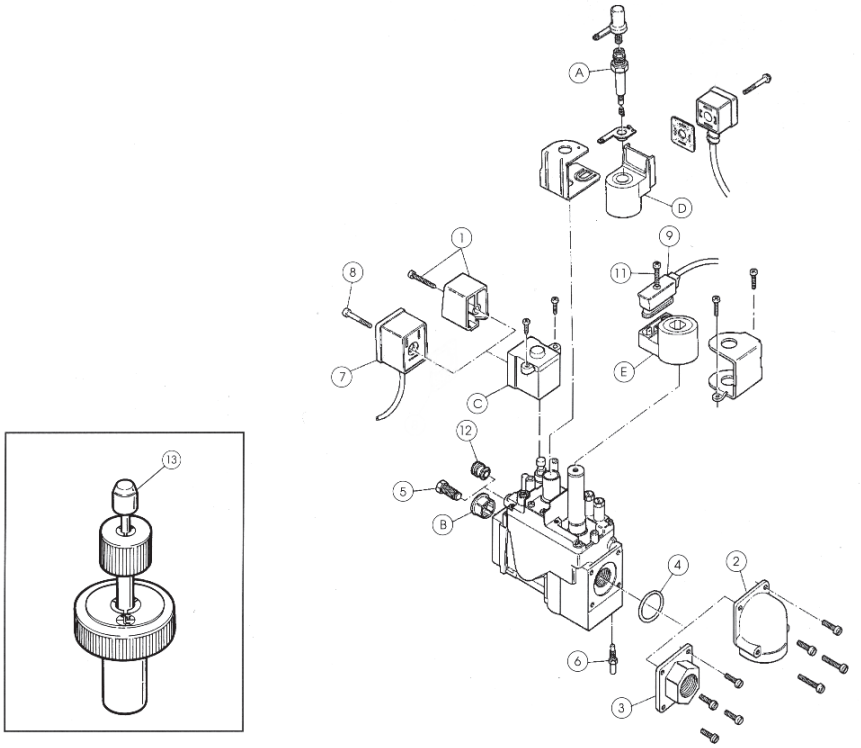
826 NOVA

Codes	Temp. range	Inlet	Outlet	Electric supply	EV1+EV2 class	Pressure regulator	Step opening	Pilot outlet plug
0826010	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50Hz	B+D	2-50 mbar 230V (green solenoid)	No step opening	Fitted (M10x1, cod. 0.972.041)
0826011	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50Hz	B+D	2-50 mbar 230V (green solenoid)	Standard step opening: 3÷5 mbar	Fitted (M10x1, cod. 0.972.041)
0826012	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50Hz	B+D	2-37 mbar 240V (green solenoid)	Standard step opening: 3÷5 mbar	Fitted (M10x1, cod. 0.972.041)
0826014	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50Hz	B+D	2-50 mbar 230V (green solenoid)	Step opening : 2÷3 mbar	Fitted (M10x1, cod. 0.972.041)
0826015	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50Hz	B+D	2-20 mbar 230V (green solenoid)	Standard step opening: 3÷5 mbar	Fitted (M10x1, cod. 0.972.041)
0826016	0÷60°C	Rp 1/2	Rp 1/2	24 V - 50Hz		2-50 mbar 24V (brown solenoid)	No step opening	Fitted (M10x1, cod. 0.972.041)
0826500	32÷140°F	1/2NPT	3/8NPT	24 V - 60Hz		2-37 mbar 24V (brown) (HI 10" LO 6.3 Q=38000BTU)	No step opening	Fitted (7/16-24, cod. 0.972.065)
0826501	32÷140°F	1/2NPT	3/8NPT	25 V - 60Hz		2-37 mbar 24V (brown) (HI 3.5" LO 1.63" Q=38000BTU)	No step opening	Fitted (7/16-24, cod. 0.972.065)

827 NOVA

Codes	Temp. range	Inlet	Outlet	Electric supply	EV1+EV2 class	Pressure regulator	Step opening	Pilot outlet plug
0827003	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz		7-50 mbar (brown screw)	No step opening	Fitted (M10x1 cod. 0.972.041)
0827110	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz		2-20 mbar (white screw)	Standard step opening: 3÷5 mbar	Not fitted
0827111	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz		3-37 mbar (red screw) 28V	Standard step opening: 3÷5 mbar	Not fitted
0827112	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz		2-18 mbar (green screw) 16V white solenoid	Standard step opening: 3÷5 mbar	Not fitted
0827113	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz		2-18 mbar (green screw) 16V white solenoid	Special step opening : 6÷10 mbar	Not fitted
0827115	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz		2-18 mbar (green screw) 16V white solenoid	Standard step opening: 3÷5 mbar	Fitted (M10x1 cod. 0.972.041)
0827116	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz		2-18 mbar (green screw) 16V white solenoid	Special step opening : 6÷10 mbar	Fitted (M10x1 cod. 0.972.041)
0827117	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz		2-18 mbar (green screw) 16V white solenoid	Standard step opening: 3÷5 mbar	Fitted (M10x1 cod. 0.972.041)
0827127	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz		2-18 mbar (green screw) 16V white solenoid	No step opening	Fitted (M10x1 cod. 0.972.041)
0827128	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz		3-37 mbar (red screw) 28V	Standard step opening: 3÷5 mbar	Fitted (M10x1 cod. 0.972.041)

Codes	Temp. range	Inlet	Outlet	Electric supply	EV1+EV2 class	Pressure regulator	Step opening	Pilot outlet plug
0827133	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz		2-18 mbar (green screw) 16V white solenoid	No step opening	Fitted (M10x1 cod. 0.972.041)
0827136	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz		2-20 mbar (white screw)	No step opening	No pilot outlet
0827137	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	top exit solenoid	2-18 mbar (green screw) 16V white solenoid	No step opening	Fitted (M10x1 cod. 0.972.041)
0827139	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	top exit solenoid	2-20 mbar (white screw)	No step opening	No pilot outlet
0827150	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	top exit solenoid	2-20 mbar (white screw)	Standard step opening: 3÷5 mbar	Fitted (M10x1 cod. 0.972.041)
0827151	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	top exit solenoid	3-37 mbar (red screw) 28V	No step opening	Not fitted
0827152	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	top exit solenoid	2-18 mbar (green screw) 16V white solenoid	Standard step opening: 3÷5 mbar	Fitted (M10x1 cod. 0.972.041)
0827153	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	top exit solenoid	3-37 mbar (red screw) 28V	Standard step opening: 3÷5 mbar	Not fitted
0827155	0÷60°C	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	top exit solenoid	3-37 mbar (red screw) 28V	No step opening	Fitted (M10x1 cod. 0.972.041)



SPARE PARTS

N.	Code	Description	Q.ty
A1	0.928.850	Modulating cartridge 2-20 mbar (827 NOVA)	5
A2	0.928.851	Modulating cartridge 3-37 mbar (827 NOVA)	5
A3	0.928.852	Modulating cartridge 7-50 mbar (827 NOVA)	5
B	0.947.033	Outlet filter	100
C1	0.967.064	EV2, 220/240 V, 50 Hz solenoid and screws	5
C2	0.967.065	EV2, 24 V, 50 Hz solenoid and screws	5
C3	0.967.066	EV2, 220/240 V, 50 Hz, solenoid with top exit and screws	5
D1	0.967.135	220 V modulating solenoid for 826 NOVA	5
D2	0.967.097	28 V modulating solenoid for 827 NOVA	5
E1	0.967.128	EV1, 220/240 V, 50 Hz solenoid	5
E2	0.967.132	EV1, 24 V, 50 Hz solenoid	5
E3	0.967.133	EV1, 220 V, 60 Hz solenoid	5

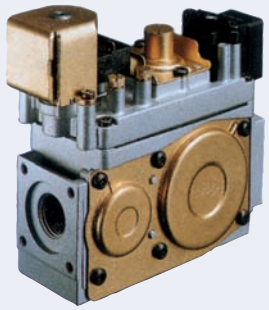
ACCESSORIES

N.	Code	Description	Q.ty
1	0.903.094	Cover for EV2 solenoid including screw	10
2a	0.906.258	Rp 3/4" elbow flange with O-ring and 4 screws	10
2b	0.906.260	Rp 1/2" elbow flange with O-ring and 4 screws	10
3a	0.906.259	Rp 3/4" straight flange with O-ring and 4 screws	10
3b	0.906.261	Rp 1/2" straight flange with O-ring and 4 screws	10
4	0.925.054	O-ring for flange	10
5a	0.958.030	ø 4 mm pilot tube shear-off	10
5b	0.958.031	ø 6 mm pilot tube shear-off	10
5c	0.958.032	ø 1/4" pilot tube shear-off	10
6	0.958.057	N.G. vent connection	100
7-9	0.960.126	EV1-EV2 double plug and lead L = 600 mm	20
7a	0.960.019	EV2 plug and lead L = 1,000 mm	10
7b	0.960.110	EV2 plug and lead L = 600 mm terminal 6.3 x 0.8 tab	20
7c	0.960.019	EV2 plug L = 1,000 mm earth hole larger – no earth cable	20
9a	0.960.117	EV1 plug and lead L = 905 mm	10
9b	0.960.119	EV1 tinned plug and lead L = 1,090 mm	10
9c	0.960.120	EV1 tinned plug and lead L = 540 mm	10
9d	0.960.121	EV1 plug and lead L = 540 mm	10
11	0.960.125	EV1 M3x22 screw for plug and lead	10
12	0.972.041	Plug for the pilot outlet M10x1 with O-ring	10
13	0.999.994	Min-max modulator adjusting tool	5

Subject to change without notice

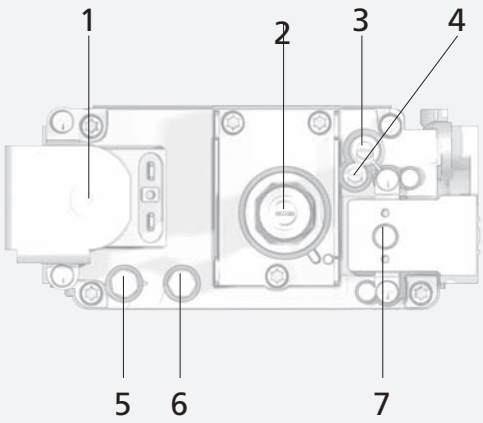
822 NOVAMIX

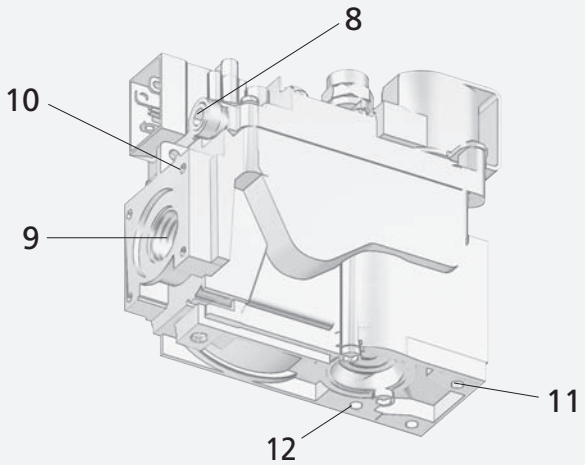
MAIN FEATURES



- Two near-silent automatic shut-off valves
  - -EV1 in class B (on request class A)
  - -EV2 in class D (on request class C)
- Pneumatic device for the proportional adjustment of the gas flow output as a function of the air flow: gas/air ratio 1:1.
- Servo-controlled pressure regulator.
- Offset adjustment device.
- Pilot outlet with gas flow restrictor.
- Inlet and pilot filters.
- Inlet pressure test point.
- Output pressure test point (only on versions without ratio adjustment).
- Threaded gas inlet and outlet with provision for flange connection.
- Version with lateral outlet for flanged connection only.
- Gas/air ratio adjuster (on request; not available on version with lateral outlet).

DESCRIPTION

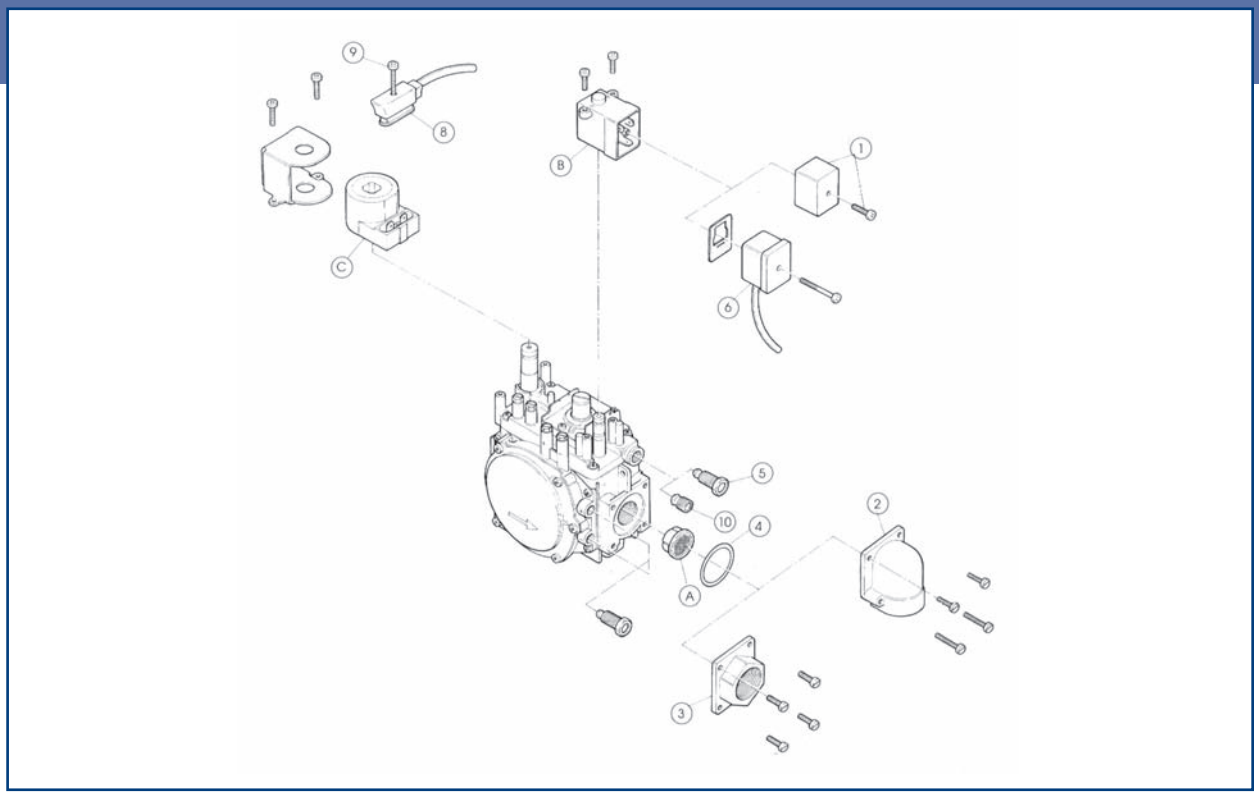




1 Shut-off solenoid valve EV1
2 Offset adjustment screw
3 Pilot gas flow restrictor
4 Gas/air adjustment screw (on request)
5 Inlet pressure test point
6 Outlet pressure test point
7 Shut-off solenoid valve EV2
8 Pilot outlet
9 Main gas outlet
10 Holes (M5) for fixing flanges
11 Supplementary valve body fixing points
12 Air in signal

CODES

Codes	Temp. range [°C]	Inlet	Outlet	EV Electric Supply	EV Class	Step-opening	Pilot outlet nut
0822005	0 to 60	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	A+C	NO step-opening, flow adjuster, no top air	Plug fitted (M10x1 code 0.972.041)
0822210	0 to 60	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	NO step-opening	Plug fitted (M10x1 code 0.972.041)
0822218	0 to 60	Rp 1/2	Rp 1/2	24 V - 50 Hz (EV1 Low energy)	B+C (top exit solenoid)	NO step-opening	Plug fitted (M10x1 code 0.972.041)
0822219	0 to 60	Rp 1/2	Rp 1/2	24 V - 50 Hz	B+C (top exit solenoid)	NO step-opening	Plug fitted (M10x1 code 0.972.041)
0822221	0 to 60	Rp 1/2	Rp 1/2				
0822222	0 to 60	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	NO step-opening, no vent orifice, top air	Not fitted
0822223	0 to 60	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	NO step-opening, no vent orifice, top air	Not fitted
0822224	0 to 60	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	NO step-opening, no vent orifice, top air	Plug fitted (M10x1 code 0.972.041)
0822251	0 to 60	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D	NO step-opening, Flow adjuster	Not fitted
0822253	0 to 60	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	A+C	NO step-opening, Flow adjuster	Plug fitted (M10x1 code 0.972.041)
0822254	0 to 60	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	B+D (top exit solenoid)	NO step-opening, flow adjuster, no top air	Plug fitted (M10x1 code 0.972.041)
0822255	0 to 60	Rp 1/2	Rp 1/2	24 V - 50 Hz	B+D	NO step-opening, Flow adjuster	Plug fitted (M10x1 code 0.972.041)
0822256	0 to 60	Rp 1/2	Rp 1/2	220/240 V - 50 Hz	A+C	NO step-opening, flow adjuster, top air	No pilot outlet
0822258	0 to 60	Rp 1/2	Rp 1/2	220 V - 60 Hz	B+D	NO step-opening, flow adjuster, top air	No pilot outlet
0822260	0 to 60	Rp 1/2	Rp 1/2	220 V - 60 Hz	B+D	NO step-opening, flow adjuster, top air	No pilot outlet



SPARE PARTS

N.	Code	Description	Q.ty
A	0.947.033	Outlet filter	100
B1	0.967.064	EV2, 220/240 V, 50 Hz solenoid and screws	20
B2	0.967.065	EV2, 24 V, 50 Hz solenoid and screws	5
B3	0.967.066	EV2, 220/240 V, 50 Hz, solenoid with top exit and screws	5
B4	0.967.079	EV2, 220 V, 60 Hz solenoid and screws	20
C1	0.967.128	EV1, 220/240 V, 50 Hz solenoid	5
C2	0.967.132	EV1, 24 V, 50 Hz solenoid	5
C3	0.967.133	EV1, 220 V, 60 Hz solenoid	5

ACCESSORIES

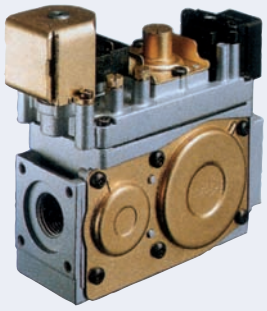
N.	Code	Description	Q.ty
1	0.903.094	Cover for EV2 solenoid including screw	10
2a	0.906.258	Rp 3/4" elbow flange with O-ring and 4 screws	10
2b	0.906.260	Rp 1/2" elbow flange with O-ring and 4 screws	10
3a	0.906.259	Rp 3/4" straight flange with O-ring and 4 screws	10
3b	0.906.261	Rp 1/2" straight flange with O-ring and 4 screws	10
4	0.925.054	O-ring for flange	10
5a	0.958.030	ø 4 mm pilot tube shear-off	10
5b	0.958.031	ø 6 mm pilot tube shear-off	10
5c	0.958.032	ø 1/4" pilot tube shear-off	10
6-8	0.960.126	EV1-EV2 double plug and lead	20
6a	0.960.015	EV2 plug and lead L = 1,000 mm	10
8a	0.960.117	EV1 plug and lead L = 900 mm with faston	10
8b	0.960.119	EV1 plug and lead L = 1,090 mm tinned	10
8c	0.960.120	EV1 plug and lead L = 540 mm tinned	10
8d	0.960.121	EV1 plug and lead L = 540 mm	10
9	0.960.125	EV1 M3x22 screw for plug and lead	10
10	0.972.041	Plug for the pilot outlet (M10x1 with O-ring)	10

Subject to change without notice

828 NOVAMIX

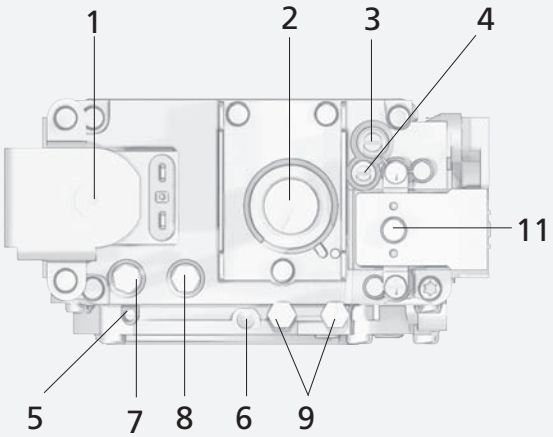
MAIN FEATURES

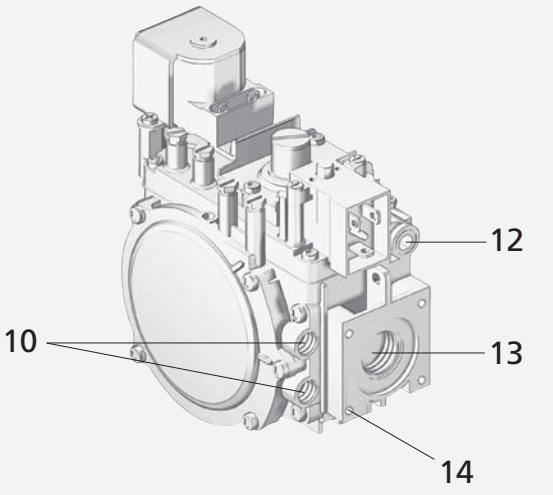
- Two near-silent automatic shut-off valves:
  - EV1 in class B (on request class A)
  - EV2 in class D (on request class C)
- Pneumatic device for the proportional adjustment of the gas output flow as a function of the air flow:
  gas/air ratio 1 : 1.
- Servo-controlled pressure regulator.
- Offset adjustment device.
- Pilot outlet with gas flow restrictor.
- Inlet and pilot filters.
- Inlet pressure test point.
- Outlet pressure test point (only on versions without ratio adjustment).
- Threaded gas inlet and outlet with provision for flange connection.
- Version with side outlet for flanged connection only.
- Gas/air ratio adjuster (on request; not available on version with side outlet).



DESCRIPTION

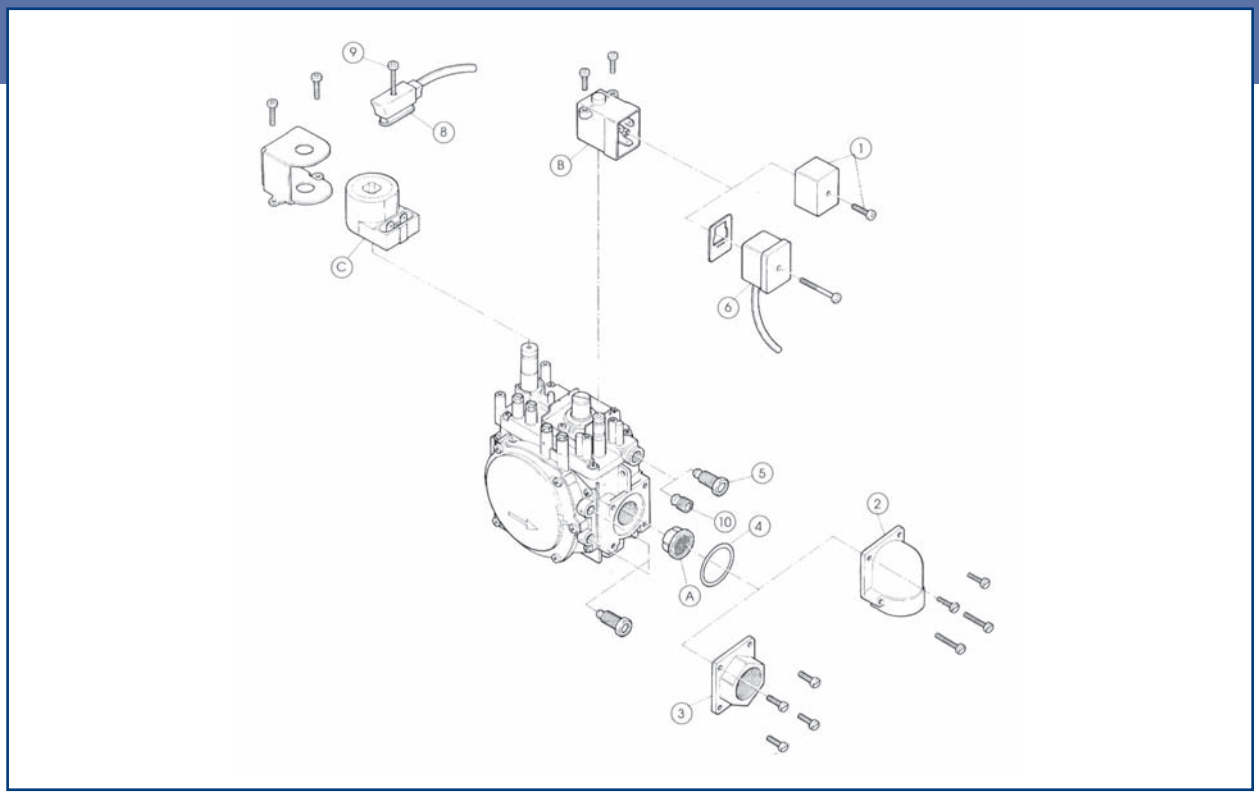
1 Shut-off solenoid valve EV1
2 Maximum outlet pressure adjustment screw
3 Pilot gas flow restrictor
4 Gas/air adjustment screw
5 Minimum outlet pressure adjustment screw
6 Offset adjustment screw
7 Inlet pressure test point
8 Outlet pressure test point
9 Air-in signal pressure test point
10 Air in signal
11 Shut-off solenoid valve EV2
12 Pilot outlet
13 Main gas outlet
14 Holes (M5) for fixing flanges





CODES

Codes	Temp. range [°C]	Inlet	Outlet	Ratio (air/gas)	EV Electric Supply	EV1+EV2 Class	Pressure regulator	Pilot outlet plug	Air connections fitting
0828101	0 to 60	Rp 1/2	Rp 1/2	1: 5.5	220/240 V - 50 Hz	B+D	Both min and max Adj.		No
0828106	0 to 60	Rp 1/2	Rp 1/2	1: 4.7	220/240 V - 50 Hz	B+D	min Adj. yes; no max Adj.	Fitted M10x1	No
0828108	0 to 60	Rp 1/2	Rp 1/2	1: 6.2	220/240 V - 50 Hz	B+D	min Adj. no ; yes max Adj.	Fitted M10x1	ø 4 nut and olive fitted
0828110	0 to 60	Rp 1/2	Side Ø18	1: 5.5	220/240 V - 50 Hz	B+D	No min and max Adj.	Fitted M10x1	No
0828111	0 to 60	Rp 1/2	Rp 1/2	1: 8.0	220/240 V - 50 Hz	B+D	No min and max Adj.	Fitted M10x1	No
0828112	0 to 60	Rp 1/2	Rp 1/2	1: 3.5	220/240 V - 50 Hz	B+D	Quick version - No min and max Adj.	Fitted M10x1	No
0828113	0 to 60	Rp 1/2	Side Ø18	1: 3.5	220/240 V - 50 Hz	B+D	No min and max Adj.	Fitted M10x1	No
0828115	0 to 60	Rp 1/2	Rp 1/2	1: 15.0	220/240 V - 50 Hz	B+D	Quick min Adj. no ; yes max Adj.	Fitted M10x1	No
0828116	0 to 60	Rp 1/2	Side Ø18	1: 3.5	24 V - 50 Hz	B+D	No min and max Adj.	Fitted M10x1	No
0828118	0 to 60	Rp 1/2	Rp 1/2	1 : 11.5	220/240 V - 50 Hz	B+D	Quick version - No min and max Adj.	Fitted M10x1	ø 4 nut and olive fitted
0828119	0 to 60	Rp 1/2	Rp 1/2	1: 9.0	220/240 V - 50 Hz	B+D	Quick version - No min and max Adj.	Fitted M10x1	No
0828120	0 to 60	Rp 1/2	Rp 1/2	1: 3.5	24 V - 50 Hz	B+D	Quick version - No min and max Adj.	Fitted M10x1	No
0828121	0 to 60	Rp 1/2	Side Ø18	1: 3.5	220/240 V - 50 Hz	B+D	No min and max Adj.	Fitted M10x1	No
0828122	0 to 60	Rp 1/2	Rp 1/2	1: 3.5	24 V - 50 Hz	B+D	Quick version - No min and max Adj.	Fitted M10x1	No
0828304	0 to 60	Rp 1/2	Rp 1/2	1: 4.0	24 V - 50 Hz	B+D	Both min and max Adj.		No
0828307	0 to 60	Rp 1/2	Rp 1/2	1: 3.5	220/240 V - 50 Hz	B+D	min Adj. yes; no max Adj.	Fitted M10x1	No
0828351	0 to 60	Rp 1/2	Rp 1/2	1: 9.0	24 V - 50 Hz	B+D	Quick version - No min and max Adj.	Fitted M10x1	No
0828403	0 to 60	Rp 1/2	Rp 1/2	1: 3.5	220/240 V - 50 Hz	A+C	No min and max Adj.		No
0828407	0 to 60	Rp 1/2	Rp 1/2	1: 7.0	24 V - 50 Hz	A+C	min Adj. yes; no max Adj.	Fitted M10x1	No
0828410	0 to 60	Rp 1/2	Rp 1/2	1: 5.5	220/240 V - 50 Hz	A+C	min Adj. no ; max adjusted 6.5mbar	Fitted M10x1	No



SPARE PARTS

N.	Code	Description	Q.ty
A	0.947.033	Outlet filter	100
B1	0.967.064	EV2, 220/240 V, 50 Hz solenoid and screws	20
B2	0.967.065	EV2, 24 V, 50 Hz solenoid and screws	5
B3	0.967.066	EV2, 220/240 V, 50 Hz, solenoid with top exit and screws	5
B4	0.967.079	EV2, 220 V, 60 Hz solenoid and screws	20
C1	0.967.128	EV1, 220/240 V, 50 Hz solenoid	5
C2	0.967.132	EV1, 24 V, 50 Hz solenoid	5
C3	0.967.133	EV1, 220 V, 60 Hz solenoid	5

ACCESSORIES

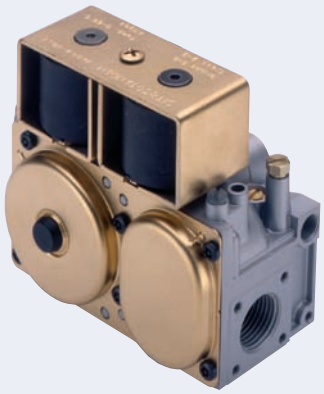
N.	Code	Description	Q.ty
1	0.903.094	Cover for EV2 solenoid including screw	10
2a	0.906.258	Rp 3/4" elbow flange with O-ring and 4 screws	10
2b	0.906.260	Rp 1/2" elbow flange with O-ring and 4 screws	10
3a	0.906.259	Rp 3/4" straight flange with O-ring and 4 screws	10
3b	0.906.261	Rp 1/2" straight flange with O-ring and 4 screws	10
4	0.925.054	O-ring for flange	10
5a	0.958.030	ø 4 mm pilot tube shear-off	10
5b	0.958.031	ø 6 mm pilot tube shear-off	10
5c	0.958.032	ø 1/4" pilot tube shear-off	10
6-8	0.960.126	EV1-EV2 double plug and lead	20
6a	0.960.015	EV2 plug and lead L = 1,000 mm	10
8a	0.960.117	EV1 plug and lead L = 900 mm with faston	10
8b	0.960.119	EV1 plug and lead L = 1,090 mm tinned	10
8c	0.960.120	EV1 plug and lead L = 540 mm tinned	10
8d	0.960.121	EV1 plug and lead L = 540 mm	10
9	0.960.125	EV1 M3x22 screw for plug and lead	10
10	0.972.041	Plug for the pilot outlet (M10x1 with O-ring)	10

Subject to change without notice

830-832 TANDEM

MAIN FEATURES

- Two near-silent automatic shut-off valves:
  - 830 TANDEM: EV1 + EV2 in class B
  - 832 TANDEM: EV1 + EV2 in class A
- Pressure regulator class C; alternatively, gas flow adjustment device.
- Adjustable flow step ignition device (optional).
- Pilot outlet (optional) with gas flow restrictor.
- Inlet and pilot filters.
- Inlet and outlet pressure test points.
- Threaded gas inlet and outlet with provision for flange connection.
- Connection for pressure regulator/combustion chamber compensation.



DESCRIPTION

1 Shut-off solenoid valve EV1

2 Pressure regulator setting device, or alternatively, outlet flow setting screw

3 Pilot gas flow restrictor

4 Step ignition flow adjustment screw

5 Inlet pressure test point

6 Outlet pressure test point

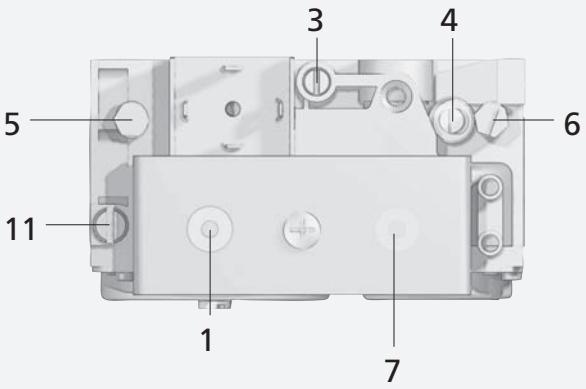
7 Shut-off solenoid valve EV2

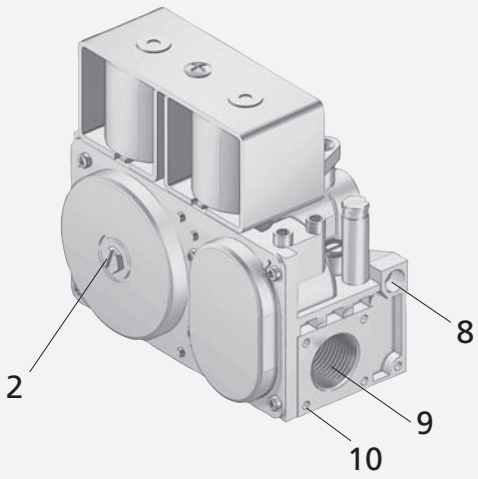
8 Pilot outlet

9 Main gas outlet

10 Holes (M5) for fixing flanges

11 Connection for pressure regulator/ combustion chamber compensation





CODES

830 TANDEM

Codes	Ambient Temperature range	EV Electric Supply	EV Class	Pressure regulator range [mbar]	Flow Adjuster	Step Opening	Pilot outlet
0830010	0÷60°C	220/240 V - 50 Hz	B		Blind screw	No step opening	Standard screw
0830013	0÷60°C	220/240 V - 50 Hz	B		Blind screw	No step opening	No pilot outlet
0830014	0÷60°C	220/240 V - 50 Hz	B		Blind screw	No step opening	No pilot outlet
0830020	0÷60°C	220/240 V - 50 Hz	B		Blind screw	(3÷7") (3÷4mbar)	Standard screw
0830022	0÷60°C	220/240 V - 50 Hz	B		Blind screw	(3÷7") (3÷4mbar)	No pilot outlet
0830023	0÷60°C	220/240 V - 50 Hz	B		2x Ø 1.5 drilled screw	(3÷7") (1÷2mbar)	Standard screw
0830030	0÷60°C	220/240 V - 50 Hz	B	3 50		(3÷7") (3÷4mbar)	Standard screw
0830032	0÷60°C	220/240 V - 50 Hz	B	3 50		for GPL	No pilot outlet
0830033	0÷60°C	220/240 V - 50 Hz	B	3 50		(3÷7") (3÷4mbar)	S
0830034	0÷60°C	220/240 V - 50 Hz	B	3 50		(3÷7") (3÷4mbar)	No pilot outlet
0830035	0÷60°C	220/240 V - 50 Hz	B	5 50		(3÷7") (3÷4mbar) (*)	No pilot outlet
0830036	0÷60°C	220/240 V - 50 Hz	B	3 50		(3÷7") (3÷4mbar)	Standard screw sealed
0830037	0÷60°C	220/240 V - 50 Hz	B	3 50		No step opening	No pilot outlet
0830040	0÷60°C	220/240 V - 50 Hz	B	3 50		No step opening	Standard screw
0830041	0÷60°C	220/240 V - 50 Hz	B	3 50		No step opening	No pilot outlet
0830042	0÷60°C	220/240 V - 50 Hz	B	3 50		No step opening	No pilot outlet
0830043	0÷60°C	220/240 V - 50 Hz	B	3 50		(0.5÷2") (0.7÷1.7mbar)	No pilot outlet
0830050	0÷60°C	24 V - 50 Hz	B	3 50		No step opening	No pilot outlet
0830051	0÷60°C	220 V - 60 Hz	B	3 50		(3÷7") (3÷4mbar)	No pilot outlet
0830052	0÷60°C	220/240 V - 50 Hz	B	3 50		(3÷7") (3÷4mbar)	No pilot outlet
0830053	0÷60°C	220/240 V - 50 Hz	B	5 50		(3÷7") (3÷4mbar) (*)	No pilot outlet
0830060	0÷60°C	220 V - 60 Hz	B	5 50		(3÷7") (3÷4mbar) (*)	Standard screw
0830062	0÷60°C	220 V - 60 Hz	B	5 50		(3÷7") (3÷4mbar) (*)	No pilot outlet
0830064	0÷60°C	24 V - 50 Hz (Low Energy)	B	3 50		(3÷7") (3÷4mbar)	No pilot outlet
0830065	32÷140°F	120 V - 60 Hz	A		Ø 0.5 hole	(3÷7") (3÷4mbar)	S
0830071	0÷60°C	24 V - 60 Hz (Low Energy)	B	5 50		(3÷7") (3÷4mbar) (*)	No pilot outlet
0830072	0÷60°C	220 V - 60 Hz	B	5 50		(3÷7") (3÷4mbar) (*)	R
0830073	0÷60°C	220 V - 60 Hz	B	3 50		No step opening	No pilot outlet
0830074	0÷60°C	24 V - 50 Hz	B	5 50		(3÷7") (3÷4mbar) (*)	R
0830076	0÷60°C	220/240 V - 50 Hz	B	5 50		(3÷7") (3÷4mbar) (*)	R
0830080	0÷60°C	120 V - 60 Hz	B		Blind screw	(3÷7") (3÷4mbar)	No pilot outlet
0830082	0÷60°C	220/240 V - 50 Hz	B	3 50		(3÷7") (3÷4mbar)	Standard screw
0830083	0÷60°C	120 V - 60 Hz	B	5 50		(3÷7") (3÷4mbar) (*)	R
0830100	0÷60°C	24 V - 50 Hz (Low Energy)	B	3 50		No step opening	T
0830300	0÷60°C	220/240 V - 50 Hz		3 50		Bypass	No pilot outlet
0830301	0÷60°C	220/240 V - 50 Hz			Blind screw	Bypass	No pilot outlet
0830402	-20÷60°C	220/240 V - 50 Hz			Blind screw	No step opening	No pilot outlet
0830602	0÷60°C	230 V - 50 Hz	B	3 50		(3÷7") (3÷4mbar)	Standard screw

(*) Slow opening device “fast recovery”

S Standard screw and nut M10x1 mm (code 0972041)

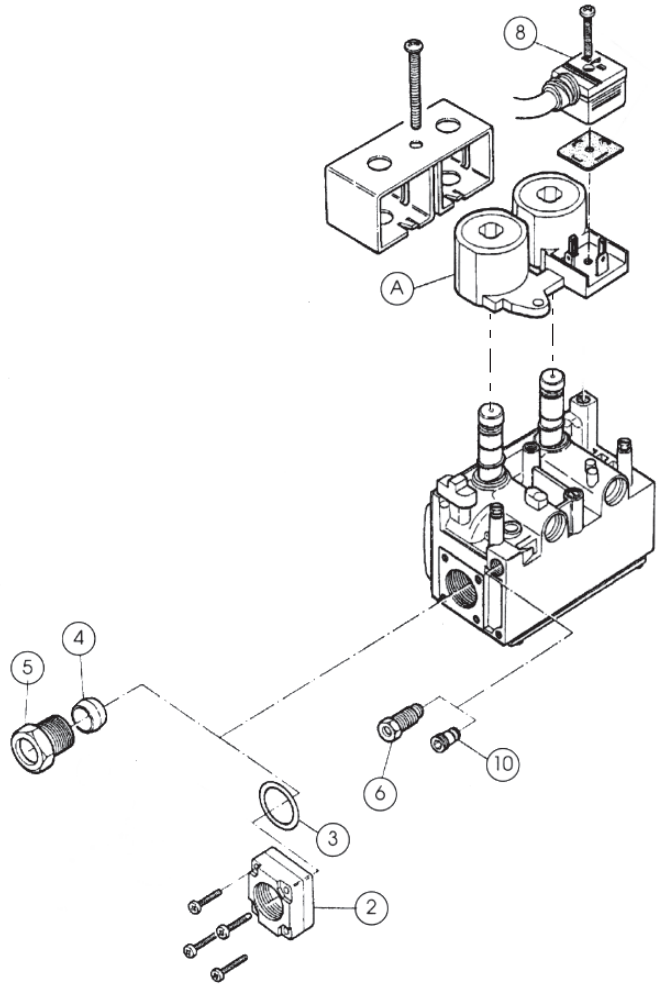
R Regulated by R.P. with standard screw and plug

T Standard screw and special pilot outlet M11x1 mm

CODES

832 TANDEM

Codes	Ambient Temperature range]	EV Electric Supply	EV Class	RP version or RQ version	Step-opening	Pilot adjusting screw
0832030	0÷60°C	220/240V-50Hz	A	Rp version (with pressure regulator) standard type	Fitted standard Step-opening (3-7")	NO pilot outlet
0832033	0÷60°C	220/240V-50Hz	A	Rp version (with pressure regulator) standard type	Fitted standard Step-opening (0.5-2")	NO pilot outlet
0832040	0÷60°C	220/240V-50Hz	A	Rp version (with pressure regulator) standard type	No step-opening	NO pilot outlet
0832051	0÷60°C	220/240V-50Hz	A	Rp version (with pressure regulator) standard type	No step-opening	Standard screw



SPARE PARTS

N.	Code	Description	Q.ty
A1	0.967.090	220 V, 50 Hz solenoid (black color)	5
A2	0.967.091	24 V, 50 Hz solenoid (grey color)	5

ACCESSORIES

N.	Code	Description	Q.ty
2	0.906.266	Rp 1/2"straight flange with O-ring and screws	100
3	0.925.028	O-ring for flange	100
4	0.957.008	ø 16 mm olive	10
5	0.958.027	ø 16 mm tube nut	10
6a	0.958.030	ø 4 mm pilot tube shear-off	10
6b	0.958.031	ø 6 mm pilot tube shear-off	10
6c	0.958.032	ø 1/4" pilot tube shear-off	10

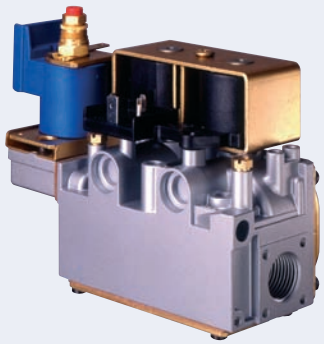
N.	Code	Description	Q.ty
8a	0.960.016	Plug and lead L = 1,000 mm	10
8b	0.960.022	plug and lead L = 600 mm	20
10	0.972.041	Plug for the pilot outlet (M10x1 with O-ring)	10

Subject to change without notice

836-837 TANDEM

MAIN FEATURES

- Electric modulator of the gas outlet pressure:
  stepped (836 TANDEM)
  or continuous (837 TANDEM).
- Two near-silent automatic shut-off valves in class B (class A on request).
- Servo-controlled pressure regulator.
- Pilot outlet (optional) with gas flow restrictor.
- Inlet and pilot filters.
- Inlet and outlet pressure test points.
- Threaded gas inlet and outlet with provision for flange connection.
- Connection for pressure regulator/combustion chamber compensation.



DESCRIPTION

1 On-off solenoid valve EV1

2 Gas outlet pressure modulator

3 Adjustment screw for gas flow to the pilot

4 Inlet pressure test point

5 Outlet pressure test point

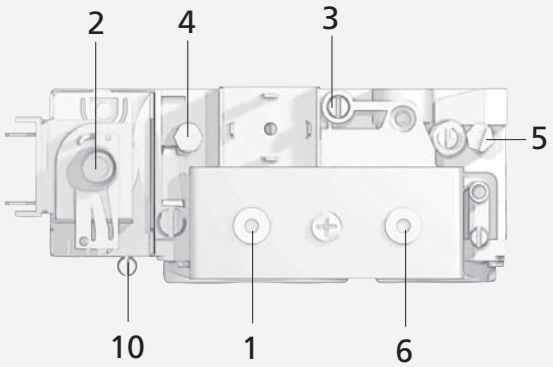
6 On-off solenoid valve EV2

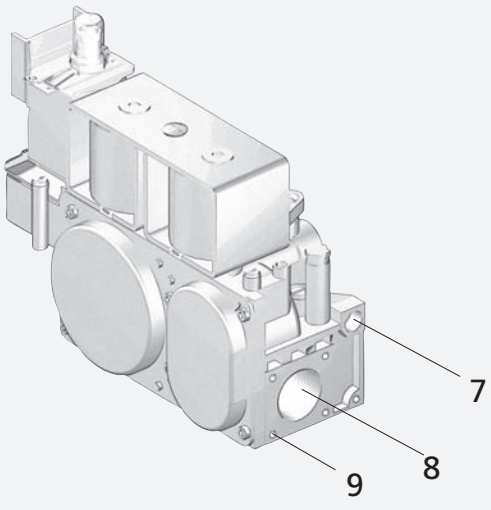
7 Pilot outlet

8 Main gas outlet

9 Holes (M5) for fixing flanges

10 Connection for pressure regulator/ combustion chamber compensation





CODES

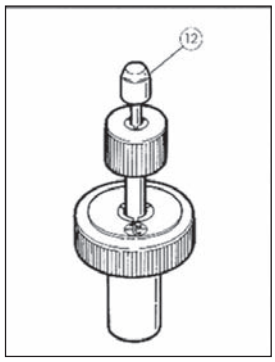
836 TANDEM

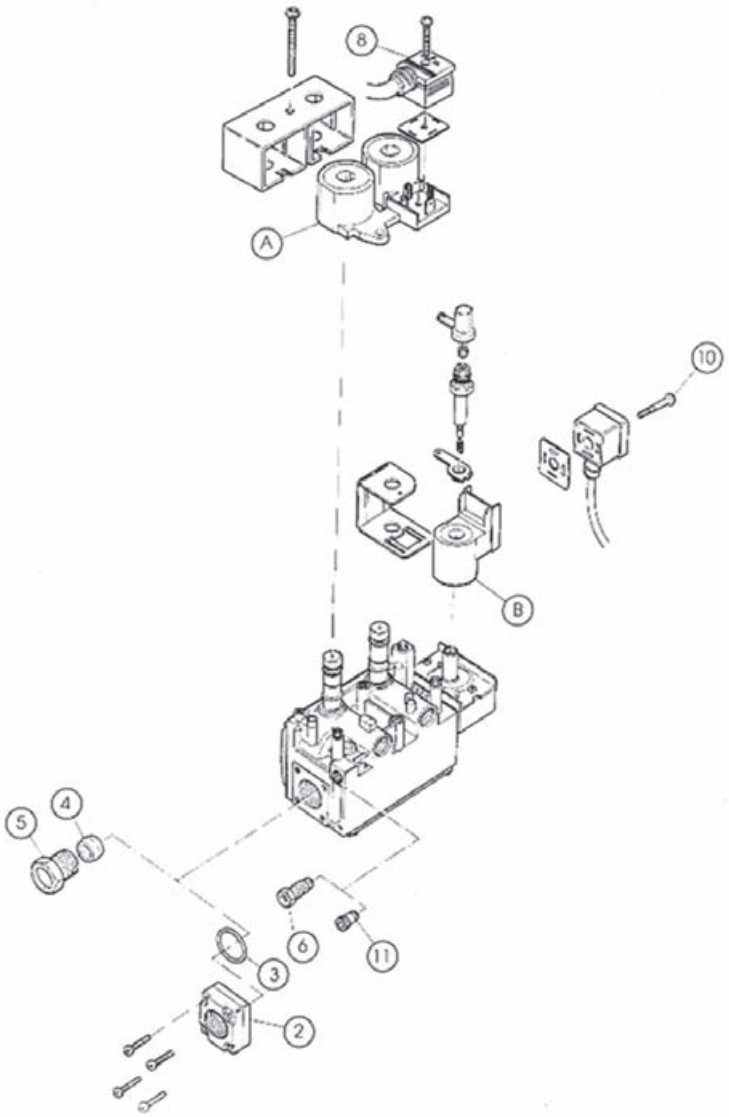
Codes	Ambient Temperature range [°C]	EV Electric supply	EV Class	Modulator Electric supply	Pressure Regulator range [mbar]	Adj. Step opening range (seconds]	Pilot outlet	Maximum gas inlet pressure [mbar]
0836010	0÷60	220/240 V - 50 Hz	B	230 V RAC	2-50	/	No	60
0836011	0÷60	220V - 60 Hz	B	220 V RAC	2-50	/	No	60
0836016	0÷60	230/240 V - 50 Hz	A	230 V RAC	2-50	/	No	60
0836017	0÷60	220/240 V - 50 Hz	B	240 V RAC	2-37	/	No	60
0836018	0÷60	220/240 V - 50 Hz	B	240 V RAC	2-37	/	Yes	60
0836019	0÷60	220/240 V - 50 Hz	B	230 V RAC	6-50	7-12	No	60
0836021	-20÷60	220/240 V - 50 Hz	B	230 V RAC	6-50	7-12	Yes	60

837 TANDEM

Codes	Ambient Temperature range [°C]	EV Electric supply	EV Class	Modulator Electric supply	Pressure Regulator range [mbar]	Adj. Step opening range (seconds]	Pilot outlet	Maximum gas inlet pressure [mbar]
0837010	0÷60	220/240 V - 50 Hz	B	16 V DC 310 mA	2-18	/	No	50
0837011	0÷60	220/240 V - 50 Hz	B	16 V DC 310 mA	3-37	/	No	50
0837013	0÷60	220/240 V - 50 Hz	B	28 V DC 165 mA	3-37	/	No	50
0837023	0÷60	220/240 V - 50 Hz	B	28 V DC 165 mA	2-20	/	No	50
0837024	0÷60	220/240 V - 50 Hz	B	28 V DC 165 mA	3-37	/	No	50
0837025	0÷60	220/240 V - 50 Hz	B	28 V DC 165 mA	3-37	/	Yes	50
0837029	0÷60	220/240 V - 50 Hz	B	28 V DC 165 mA	2-20	/	P	50
0837033	0÷60	220/240 V - 50 Hz	B	28 V DC 165 mA	2-18	/	No	50
0837034	0÷60	24 V - 50 Hz (Low Energy)	B	28 V DC 165 mA	1.5-25	/	No	50
0837035	0÷60	24 V - 50 Hz (Low Energy)	B	28 V DC 165 mA	2.5-37	/	No	50
0837038	0÷60	220/240 V - 50 Hz	B	28 V DC 165 mA	3-37	/	P	50
0837100	0÷60	120 V - 60 Hz	B	16 V DC 310 mA	3-37	/	No	50
0837301	-20÷60	220/240 V - 50 Hz	B	16 V DC 310 mA	2-20	/	No	50
0837302	-20÷60	220/240 V - 50 Hz	B	16 V DC 310 mA	3-37	/	No	50
0837303	-20÷60	220/240 V - 50 Hz	B	28 V DC 165 mA	3-37	/	No	50
0837304	-20÷60	24 V - 60 Hz (Low Energy)	B	28 V DC 165 mA	2÷25	/	No	50
0837305	-20÷60	220/240 V - 50 Hz	B	16 V DC 310 mA	2-18	/	No	50

P Plugged (0972041)





SPARE PARTS

N.	Code	Description	Q.ty	N.	Code	Description	Q.ty
A1	0.967.090	220 V, 50 Hz solenoid (black color)	5	B2	0.967.135	220 V modulating solenoid, rectified AC (836)	5
A2	0.967.091	24 V, 50 Hz solenoid (grey color)	5				
B1	0.967.097	28 V modulating solenoid (837)	5	B3	0.967.138	16 V modulating solenoid (837)	5
				B4	0.967.140	240 V modulating solenoid (837)	10

ACCESSORIES

N.	Code	Description	Q.ty	N.	Code	Description	Q.ty
2	0.906.266	Rp 1/2" straight flange with O-ring and screws	100	8a	0.960.016	Plug and lead L = 1,000 mm	10
				8b	0.960.022	Tandem plug and lead L = 600 mm	10
3	0.925.028	O-ring for flange	100	10	0.960.018	Step modulator plug gasket + screw L = 1,000 mm (836)	5
4	0.957.008	ø 16 mm olive	10				
5	0.958.027	ø 16 mm tube nut	10	11	0.972.041	Plug for the pilot outlet (M10x1 with O-ring)	10
6a	0.958.030	ø 4 mm pilot tube shear-off	10	12	0.999.994	Min-max modulator adjusting tool	5
6b	0.958.031	ø 6 mm pilot tube shear-off	10				
6c	0.958.032	ø 1/4" pilot tube shear-off	10				

Subject to change without notice

840 SIGMA

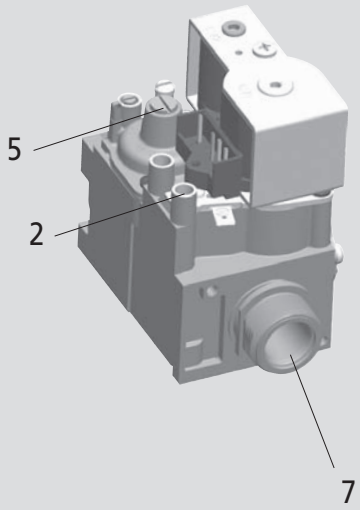
MAIN FEATURES

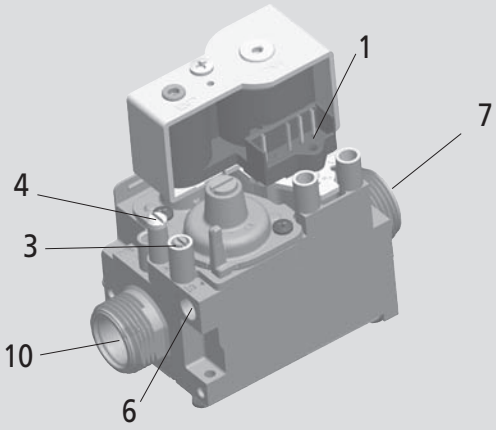
- Two automatic shut-off valves
- Servo-controlled pressure regulator
- Step ignition device (optional)
- Pilot outlet (optional) with filter
- Inlet filter
- Outlet filter (optional)
- Inlet and outlet pressure test points with "captured"screw
- Inlet and outlet gas connection available with male or female thread or for flange connection, available side outlet

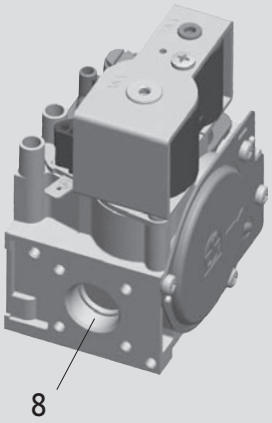
DESCRIPTION

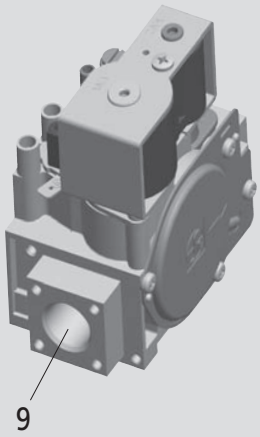
1 On-off solenoid valve EV1 and EV2 terminals
2 Inlet pressure test point (Pin)
3 Outlet pressure test point (Pout)
4 Connection for pressure regulator/combustion chamber compensation
5 Pressure regulator adjustment
6 Pilot outlet
7 Male G 3/4 gas inlet
8 Flange gas inlet
9 Female Rp 1/2 gas inlet
10 Male G 3/4 gas outlet
11 Flange gas outlet
12 Female Rp 1/2 gas outlet
13 Side gas outlet

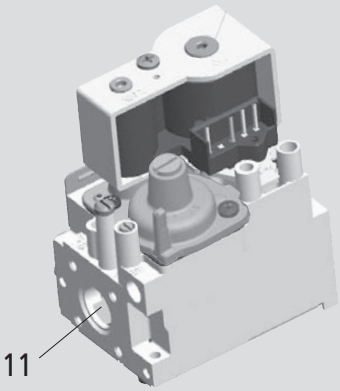
DESCRIPTION

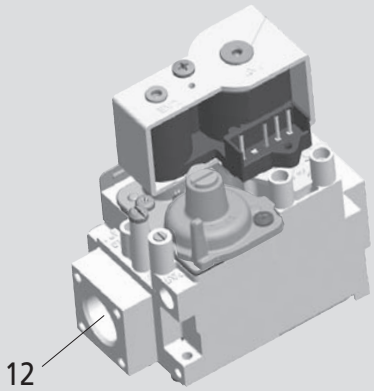


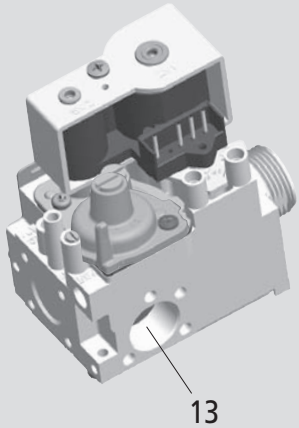






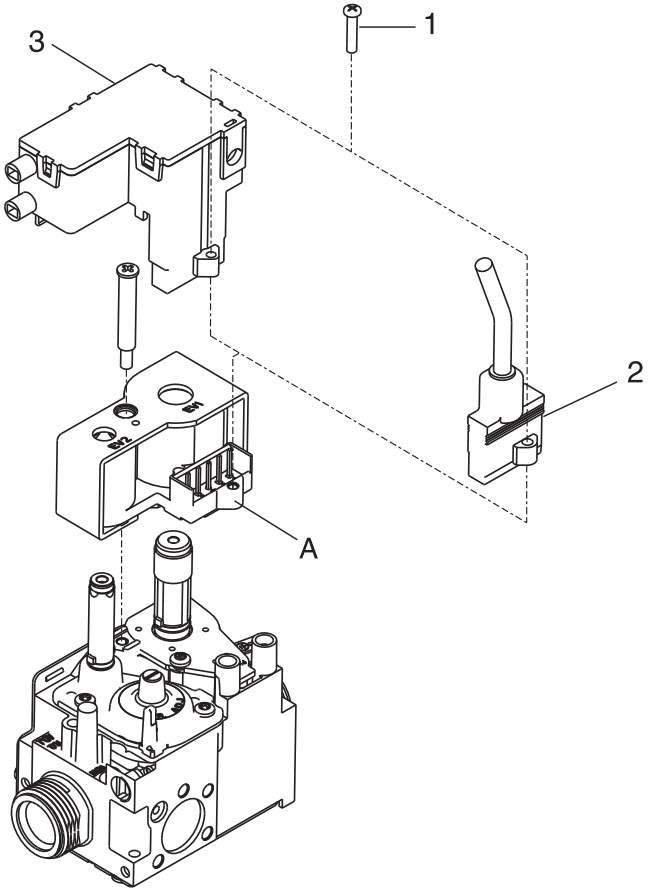






CODES

Codes	Ambient temperature range [°C]	UK Version	Body lenght [mm]	Inlet	Outlet displace-ment	Outlet	EV Electric supply	EV Class	Pressure Regulator range	Pilot	Flow Adjuster	Step Opening
0840014	0÷60		80	Flange		Flange	230 V - 50 Hz	B+J	2 - 50 mbar	no		no
0840016	0÷60		113	Male G3/4		Male G3/4	230 V - 50 Hz	B+J	2 - 50 mbar	M10		no
0840017	0÷60		105	Female Rp1/2		Female Rp1/2	230 V - 50 Hz	B+J	2 - 50 mbar	plugged		no
0840019	0÷60	•	80	Flange	Side	Ø14mm 3hole	230 V - 50 Hz	B+J	2 - 50 mbar	no		2-4mbar
0840020	0÷60		113	Male G3/4		Male G3/4	230 V - 50 Hz	B+J	2 - 50 mbar	no		2-4mbar
0840023	0÷60		113	Male G3/4		Male G3/4	230 V - 50 Hz	B+J	2 - 50 mbar	no		no
0840024	0÷60		80	Flange		Flange	230 V - 50 Hz	B+J	2 - 50 mbar	no		2-4mbar
0840025	0÷60		80	Flange		Flange	220 V - 60 Hz	B+J	2 - 50 mbar	no		2-4mbar
0840026	0÷60	•	105	Female Rp1/2		Female Rp1/2	230 V - 50 Hz	B+J	2 - 50 mbar	yes		2-4mbar
0840027	0÷60		105	Female Rp1/2		Female Rp1/2	230 V - 50 Hz	B+J	2 - 50 mbar	no		Adjust.
0840028	0÷60		113	Male G3/4		Male G3/4	220 V - 60 Hz	B+J	2 - 50 mbar	no		2-4mbar
0840029	0÷60		80	Flange		Flange	220 V - 60 Hz	B+J	2 - 50 mbar	no		no
0840030	0÷60		113	Male G3/4		Male G3/4	230 V - 50 Hz	B+J	2 - 50 mbar	no		Adjust.
0840031	0÷60		105	Female Rp1/2		Female Rp1/2	230 V - 50 Hz	B+J	2 - 50 mbar	no		no
0840032	0÷60		105	Rp1/2		Rp1/2	230 V - 50 Hz	B+J	2 - 50 mbar	no	•	no
0840033	0÷60		105	Rp1/2		Rp1/2	230 V - 50 Hz	B+J	2 - 50 mbar	no		no
0840034	0÷60		105	Female Rp1/2		Female Rp1/2	230 V - 50 Hz	B+J	2 - 50 mbar	no	•	no
0840035	0÷60		113	Male G3/4		Male G3/4	230 V - 50 Hz	B+J	2 - 50 mbar	M10		Adjust.
0840036	0÷60		105	Female Rp1/2		Female Rp1/2	230 V - 50 Hz	B+J	2 - 50 mbar	M10		Adjust.
0840038	0÷60		80	Flange		Flange	230 V - 50 Hz	B+J	2 - 50 mbar	no		Adjust.
0840039	0÷60		105	Female Rp1/2		Female Rp1/2	230 V - 50 Hz	B+J	2 - 50 mbar	no	•	Adjust.
0840040	0÷60		80	Flange		Flange	230 V - 50 Hz	B+J	2 - 50 mbar	no	•	no
0840041	-15÷60		80	Flange		Flange	230 V - 50 Hz	B+J	2 - 50 mbar	no		no
0840042	0÷60		113	Male G3/4		Male G3/4	230 V - 50 Hz	B+J	2 - 50 mbar	no		no
0840043	0÷60		113	Male G3/4		Male G3/4	230 V - 50 Hz	B+J	2 - 50 mbar	no	•	no
0840044	0÷60		113	Male G3/4		Male G3/4	230 V - 50 Hz	B+J	2 - 50 mbar	no		2-4mbar
0840046	0÷60	•	113	Male G3/4		Male G3/4	230 V - 50 Hz	B+J	2 - 50 mbar	no		Adjust.
0840047	0÷60	•	105	Female Rp1/2		Female Rp1/2	230 V - 50 Hz	B+J	2 - 50 mbar	no		no
0840048	0÷60		113	Male G3/4		Male G3/4	230 V - 50 Hz	B+J	2 - 50 mbar	no		6-8mbar
0840055	32÷140°F		105	Female 1/2NPT		Female 1/2NPT	120V - 60HZ	B+J	3 - 11" WC	no		no
0840057	0÷60		113	Male G3/4		Male G3/4	230 V - 50 Hz	B+J	2 - 50 mbar	no	•	6-8mbar
0840058	0÷60	•	105	Female Rp1/2		Female Rp1/2	230 V - 50 Hz	B+J	2 - 50 mbar	plugged		2-4mbar
0840059	0÷60		105	Female Rp1/2		Female Rp1/2	230 V - 50 Hz	B+J	2 - 50 mbar	no		Adjust.
0840061	0÷60	•	105	Female Rp1/2		Female Rp1/2	230 V - 50 Hz	B+J	2 - 50 mbar	no		Adjust.
0840062	0÷60	•	105	Female Rp1/2		Female Rp1/2	230 V - 50 Hz	B+J	2 - 50 mbar	no		Adjust.
0840063	0÷60		105	Female Rp1/2		Female Rp1/2	230 V - 50 Hz	B+J	2 - 50 mbar	M10		Adjust.



SPARE PARTS

N.	Code	Description	Q.ty
A1	0.967.003	230 V, 50 Hz solenoid (black color - 6KV)	10
A2	0.967.160	24 V, 50 Hz solenoid (black color)	10
A3	0.967.165	220 V, 60 Hz solenoid (blue color)	10

ACCESSORIES

N.	Code	Description	Q.ty
1	0.953.082	EV1-EV2 plug screw	100
2a	0.960.400	EV1-EV2 plug-cable L = 515 mm (4 wires)	20
2b	0.960.401	EV1-EV2 plug-cable L = 620 mm (3 wires)	20
2c	0.960.402	EV1-EV2 plug-cable L = 1,070 mm (3 wires)	20
2d	0.960.403	EV1-EV2 plug-cable L = 175 mm (4 wires)	20
2e	0.960.404	EV1-EV2 plug-cable L = 580 mm (3 wires)	20

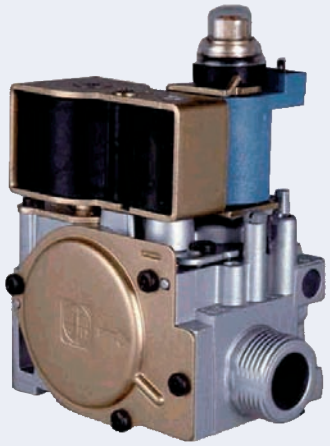
N.	Code	Description	Q.ty
3a	0.504.010	Connector/igniter 504 NAC 2 electrodes, 5 wires	20
3b	0.504.011	Connector/igniter 504 NAC 2 electrodes, 4 wires	20
3c	0.504.012	Connector/igniter 504 NAC-2 electrodes, 5 wires	20
3d	0.504.013	Connector/igniter 504 NAC 1 electrode, 5 wires	20

Subject to change without notice

843 SIGMA

MAIN FEATURES

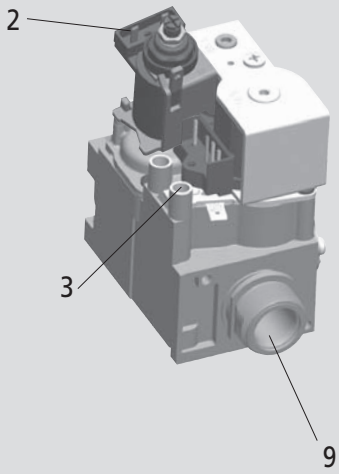
- Two automatic shut-off valves
- Electric HIGH-LOW modulator
- Servo-controlled pressure regulator
- Step ignition device (optional)
- Pilot outlet (optional) with filter
- Inlet filter
- Outlet filter (optional)
- Inlet and outlet pressure test points with "captured"screw
- Inlet and outlet gas connection available with male or female thread or for flange connection, available side outlet

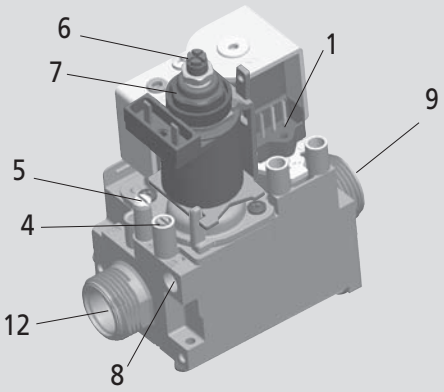


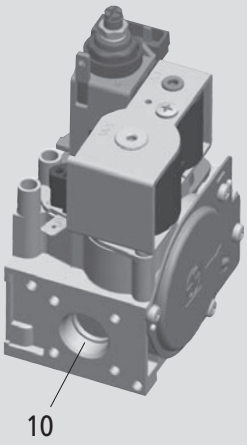
DESCRIPTION

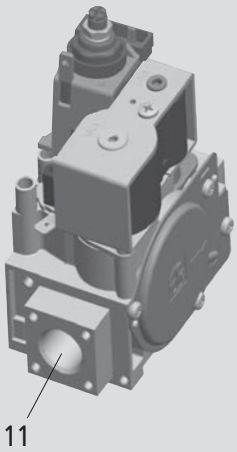
1 On-off solenoid valve EV1 and EV2 terminals
2 HIGH-LOW modulator terminals
3 Inlet pressure test point (Pin)
4 Outlet pressure test point (Pout)
5 Connection for pressure regulator/combustion chamber compensation
6 LOW pressure adjustment
7 HIGH pressure adjustment
8 Pilot outlet
9 Male G 3/4 gas inlet
10 Flange gas inlet
11 Female Rp 1/2 gas inlet
12 Male G 3/4 gas outlet
13 Flange gas outlet
14 Female Rp 1/2 gas outlet
15 Side gas outlet

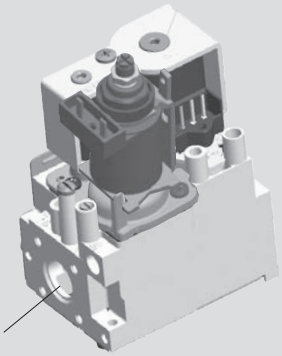
DESCRIPTION

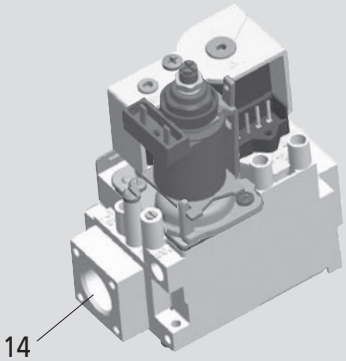


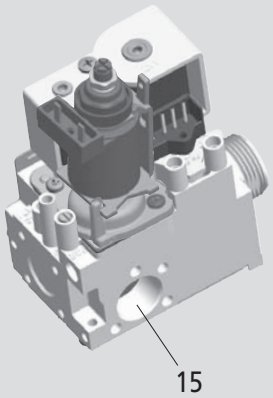










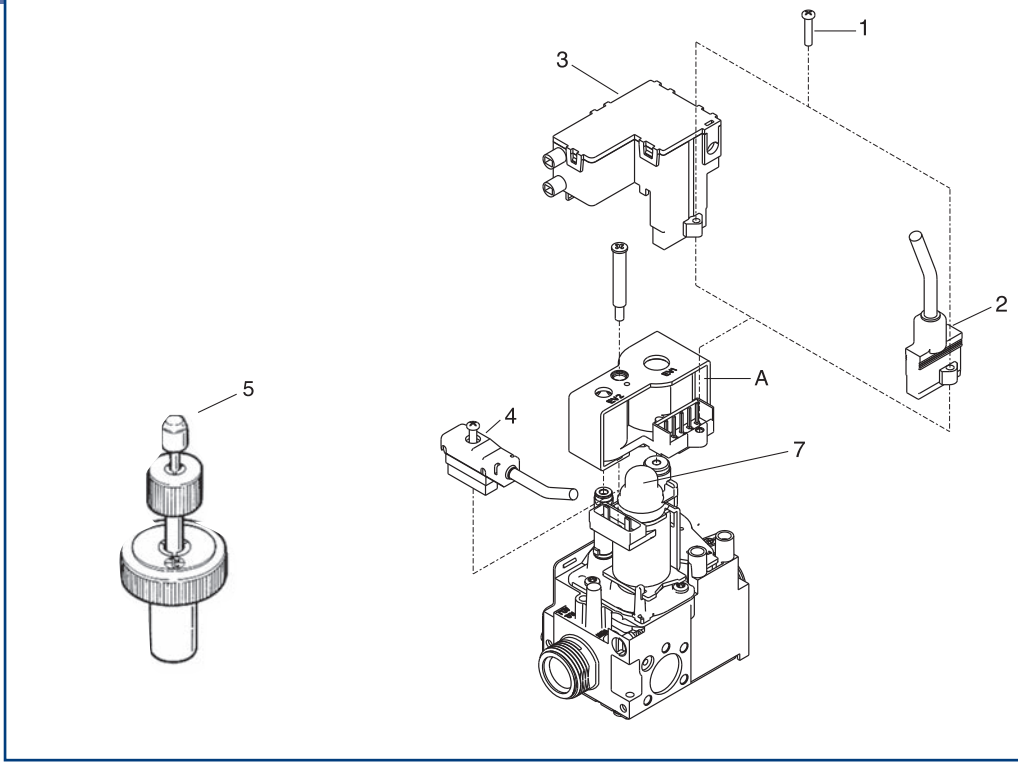


CODES

Codes	Ambient Temperature Range	UK Version	Body Dimension [mm]	Inlet	Outlet displacement	Outlet	Capacity [KW]	EV Electric Supply	EV CLASS	STEP OPENING	MOD Range [mbar]	Pilot Outlet	MOD Electric supply
0843003	0÷60°C		80	Flange		Flange	60	230V 50Hz	B+J	2-4mbar	4 - 40	No	230V RAC
0843004	0÷60°C		105	Rp 1/2		Rp 1/2	60	230V 50Hz	B+J		4 - 40	No	230V RAC
0843005	0÷60°C		113	Male G3/4		Male G3/4	60	230V 50Hz	B+J	Adjust.	4 - 40	No	230V RAC
0843006	0÷60°C		80	Flange		Flange	60	230V 50Hz	B+J	Adjust.	4 - 40	No	230V RAC
0843007	0÷60°C		127(1)	Rp 1/2		Rp 1/2	60	230V 50Hz	B+J		4 - 40	No	230V RAC
0843008	-15÷60°C		80	Flange		Flange	60	230V 50Hz	B+J		4 - 40	No	230V RAC
0843010	0÷60°C		105	Rp 1/2		Rp 1/2	60	230V 50Hz	B+J	Adjust.	4 - 40	Yes	230V RAC
0843011	0÷60°C		105	Rp 1/2		Rp 1/2	60	230V 50Hz	B+J		4 - 40	Yes (*)	230V RAC
0843013	-15÷60°C		80	Flange		Flange	60	230V 50Hz	B+J	Adjust.	4 - 40	No	230V RAC
0843015	0÷60°C		113	Male G3/4		Male G3/4	60	230V 50Hz	B+J		4 - 40	No	230V RAC
0843016	0÷60°C		113	Male G3/4		Male G3/4	60	230V 50Hz	B+J		4 - 40	No	230V RAC
0843017	0÷60°C	●	113	Male G3/4		Male G3/4	60	230V 50Hz	B+J	Adjust.	4 - 40	No	230V RAC
0843018	0÷60°C		113	Male G3/4		Male G3/4	60	230V 50Hz	B+J	Adjust.	4 - 40	Yes	230V RAC
0843020	0÷60°C		105	Rp 1/2		Rp 1/2	60	230V 50Hz	B+J	Adjust.	4 - 40	No	230V RAC
0843021	0÷60°C	●	105	Rp 1/2		Rp 1/2	60	230V 50Hz	B+J	Adjust.	4 - 40	Yes	230V RAC

(*) Plugged

(1) With adapter on inlet and outlet



SPARE PARTS

N.	Code	Description	Q.ty
A1	0.967.003	230 V, 50 Hz solenoid (black color - 6KV)	10
A2	0.967.160	230 V, 50 Hz solenoid (black color)	10
A3	0.967.165	220 V, 60 Hz solenoid (blue color)	10

ACCESSORIES

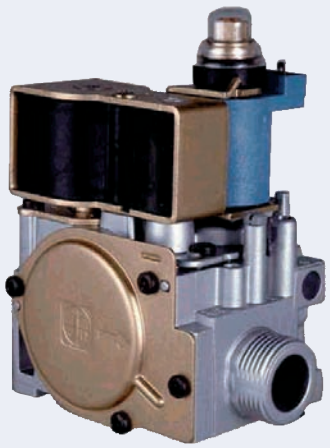
N.	Code	Description	Q.ty	N.	Code	Description	Q.ty
1	0.953.082	EV1-EV2 plug screw	100	3c	0.504.012	Connector/igniter 504 NAC 2 electrodes, 5 wires	20
2a	0.960.400	EV1-EV2 plug cable-L= 515 mm (4 wires)	20	3d	0.504.013	Connector/igniter 504 NAC-1 electrode, 5 wires	20
2b	0.960.401	EV1-EV2 plug cable L= 620 mm (3 wires)	20	4a	0.960.452	Modulator device plug without screw L = 550 mm	20
2c	0.960.402	EV1-EV2 plug cable L= 1,070 mm (3 wires)	20	4b	0.960.455	Modulator device plug + screw L = 950 mm	20
2d	0.960.403	EV1-EV2 plug cable L= 175 mm (4 wires)	20	4c	0.960.458	Modulator device plug + screw L = 550 mm	20
2e	0.960.404	EV1-EV2 plug cable L= 580 mm (3 wires)	20	5	0.999.994	Min-max modulator adjusting tool	5
3a	0.504.010	Connector/igniter 504 NAC 2 electrodes, 5 wires	20	6	0.954.151	Modulator plug	100
3b	0.504.011	Connector/igniter 504 NAC 2 electrodes, 4 wires	20				

Subject to change without notice

845 SIGMA

MAIN FEATURES

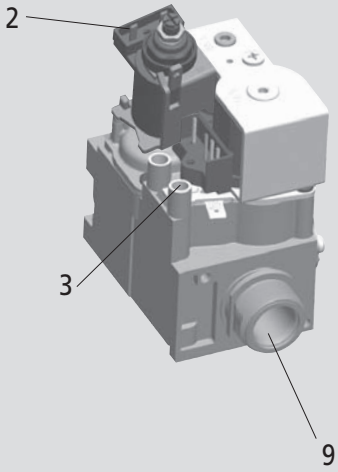
- Two automatic shut-off valves
- Electric modulator
- Servo-controlled pressure regulator
- Step ignition device (optional)
- Pilot outlet (optional) with filter
- Inlet filter
- Outlet filter (optional)
- Inlet and outlet pressure test points with "captured"screw
- Inlet and outlet gas connection available with male or female thread or for flange connection, available side outlet

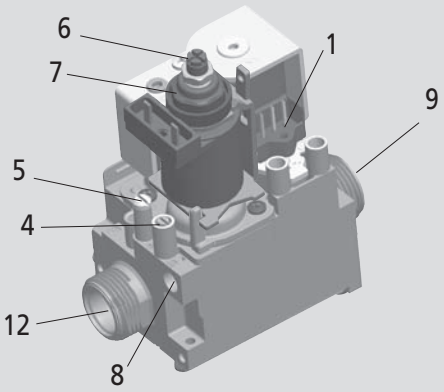


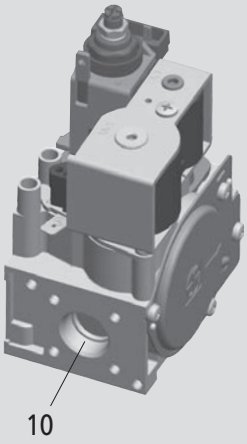
DESCRIPTION

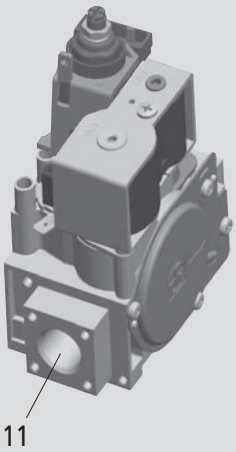
1 On-off solenoid valve EV1 and EV2 terminals
2 Modulator terminals
3 Inlet pressure test point (Pin)
4 Outlet pressure test point (Pout)
5 Connection for pressure regulator/combustion chamber compensation
6 Minimum pressure adjustment
7 Maximum pressure adjustment
8 Pilot outlet
9 Male G 3/4 gas inlet
10 Flange gas inlet
11 Female Rp 1/2 gas inlet
12 Male G 3/4 gas outlet
13 Flange gas outlet
14 Female Rp 1/2 gas outlet
15 Side gas outlet

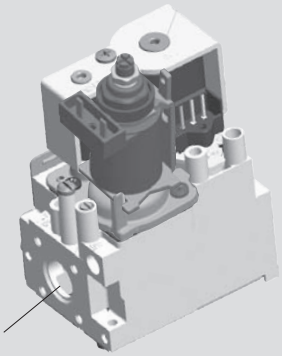
DESCRIPTION

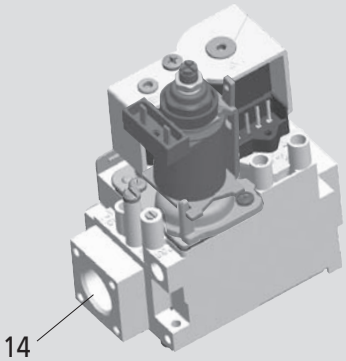


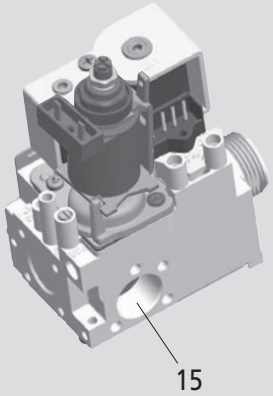












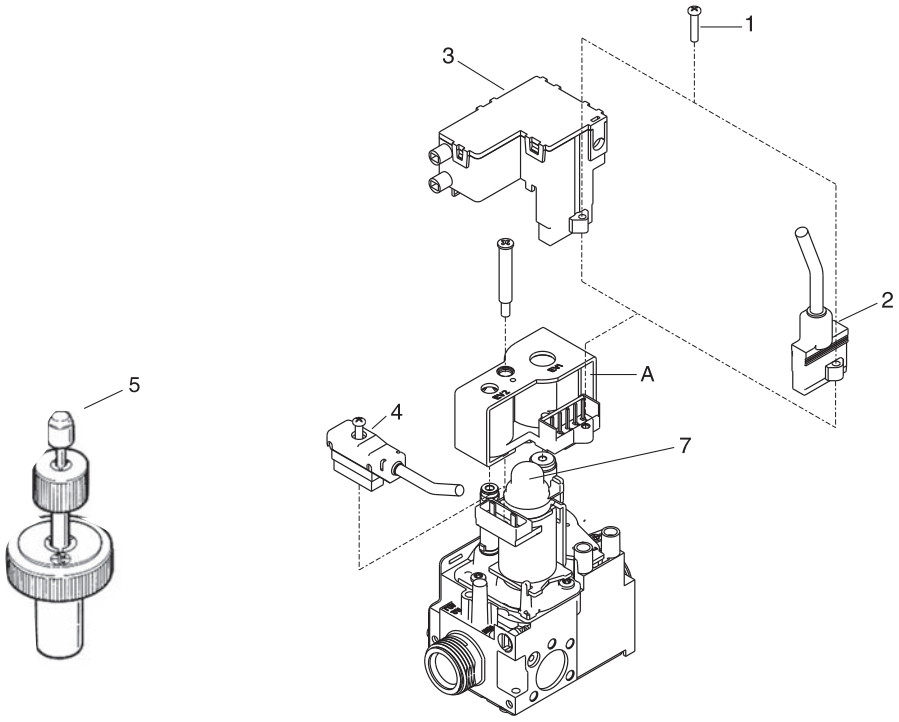
CODES

Codes	Ambient Temperature Range	UK version	Body Dim. [mm]	Inlet	Outlet	Capacity (1)	EV Electric Supply	EV Class	Mod. range	Flow adj.	Pilot outlet	Step Opening	Mod. Device (current) voltage
0845013	0 to 60°C		105	Flange	Female M22x1.5	ST	L.E. 24V	B+J	1 - 25mbar				165mA (17V)
0845016	0 to 60°C		105	Flange	Female M22x1.5	ST	L.E. 24V	B+J	1 - 37mbar				165mA (17V)
0845020	-10 to 60°C	●	80	Flange	Flange	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845021	-20 to 60°C		105	Flange	Flange	ST	230V 50Hz	B+J	1 - 20mbar				165mA (17V)
0845023	-20 to 60°C		105	Flange	Flange	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845037	0 to 60°C		113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 37mbar				310mA (9V)
0845039	-15 to 60°C		113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 37mbar		●		165mA (17V)
0845046	0 to 60°C		113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 20mbar				165mA (17V)
0845047	0 to 60°C		113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 45mbar				165mA (17V)
0845048	-15 to 60°C		105	Rp1/2	Rp1/2	ST	230V 50Hz	B+J	1 - 37mbar				310mA (9V)
0845051	0 to 60°C		113	Male G3/4	Male G3/4	HI	24V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845052	0 to 60°C		105	Rp1/2	Rp1/2	ST	230V 50Hz	B+J	1 - 37mbar		●		165mA (17V)
0845053	-15 to 60°C		105	Flange	Flange	ST	230V 50Hz	B+J	1 - 20mbar				165mA (17V)
0845054	-15 to 60°C		105	Flange	Flange	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845055	-15 to 60°C		113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 20mbar	●	●		165mA (17V)
0845056	0 to 60°C		113	Male G3/4	Male G3/4	HI	24V 50Hz	B+J	1 - 37mbar		●		165mA (17V)
0845057	-15 to 60°C		113	Male G3/4	Male G3/4	HI	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845058	0 to 60°C		113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845059	0 to 60°C		80	Flange	Flange	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845061	0 to 60°C		80	Flange	Flange	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845062	-15 to 60°C		80	Flange	Flange	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845063	-10 to 60°C		113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 37mbar				310mA (9V)
0845064	0 to 60°C		80	Flange	Flange	HI	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845065	-15 to 60°C		113	Male G3/4	Male G3/4	ST	24V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845067	0 to 60°C		80	Flange	Flange	ST	24V 50Hz Rac	B+C	1 - 20mbar				165mA (17V)
0845070	-15 to 60°C		113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)

(1) ST = Standard Capacity,
HI = High Capacity

Codes	Ambient Temperature Range	UK version	Body Dim. [mm]	Inlet	Outlet	Capacity (1)	EV Electric Supply	EV Class	Mod. range	Flow adj.	Pilot outlet	Step Opening	Mod. Device (current) voltage
0845071	0 to 60°C		105	Rp1/2	Rp1/2	ST	230V 50Hz	B+J	3 - 37mbar			Adjust.	165mA (17V)
0845073	-15 to 60°C		105	Flange	Flange	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845074	-15 to 60°C		105	Flange	Flange	ST	230V 50Hz	B+J	1 - 20mbar				165mA (17V)
0845075	0 to 60°C	●	80	Flange	Flange	ST	230V 50Hz	B+C	1 - 37mbar		●		165mA (17V)
0845076	-15 to 60°C		113	Male G3/4	Male G3/4	HI	230V 50Hz	B+J	1 - 37mbar				310mA (9V)
0845077	-20 to 60°C		105	Flange	Flange	ST	230V 50Hz	B+J	1 - 37mbar	●			165mA (17V)
0845078	-15 to 60°C		113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 20mbar				165mA (17V)
0845079	-15 to 60°C		113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845080	-15 to 60°C		105	Flange	Flange	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845081	-15 to 60°C		113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 20mbar				165mA (17V)
0845082	-15 to 60°C		80	Flange	Flange	ST	230V 50Hz	B+J	1 - 37mbar				310mA (9V)
0845083	0 to 60°C	●	113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845084	0 to 60°C	●	113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845088	0 to 60°C		105	1/2" NPT	1/2" NPT	ST	230V 50Hz	B+J	1 - 37mbar		M10		165mA (17V)
0845089	0 to 60°C	●	80	Flange	Flange	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845091	0 to 60°C		105	Flange	Flange	ST	230V 50Hz	B+J	1 - 20mbar				165mA (17V)
0845093	-15 to 60°C		113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 36mbar				165mA (17V)
0845094	0 to 60°C	●	113	Male G3/4	Male G3/4	HI	24V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845095	0 to 60°C	●	113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 20mbar				165mA (17V)
0845096	32 to 140°F		105	1/2" NPT	1/2" NPT	ST	120V 60Hz		0,5 - 10 WC		7/16" uns		165mA (17V)
0845097	0 to 60°C		105	1/2" NPT	1/2" NPT	HI	24V 60Hz	B+J	1 - 37mbar				165mA (17V)
0845098	-15 to 60°C		113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845099	5 to 140°F		105	Rp1/2	Rp1/2	ST	120V 60Hz	B+J	0,4 - 11 WC				310mA (9V)
0845101	-10 to 60°C	●	113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 37mbar				310mA (9V)
0845102	-15 to 60°C		113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 20mbar	●	●	Adjust.	165mA (17V)

Codes	Ambient Temperature Range	UK version	Body Dim. [mm]	Inlet	Outlet	Capacity (1)	EV Electric Supply	EV Class	Mod. range	Flow adj.	Pilot outlet	Step Opening	Mod. Device (current) voltage
0845105	-10 to 60°C		113	Male G3/4	Male G3/4	ST	24V Rac	B+J	1 - 37mbar				165mA (17V)
0845106	-10 to 60°C		113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845107	-10 to 60°C		80	Flange	Flange	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845108	-15 to 60°C		113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845109	-15 to 60°C		113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 37mbar				310mA (9V)
0845110	-10 to 60°C		113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)
0845111	-15 to 60°C		113	Male G3/4	Male G3/4	HI	220V 60Hz	B+J	1 - 37mbar				165mA (17V)
0845113	0 to 60°C		105	1/2" NPT	1/2" NPT	ST	24V 50Hz	B+J	1 - 37mbar		●		165mA (17V)
0845114	-10 to 60°C	●	113	Male G3/4	Male G3/4	ST	230V 50Hz	B+J	1 - 37mbar				165mA (17V)



SPARE PARTS

N.	Code	Description	Q.ty
A1	0.967158	230 V, 50 Hz solenoid (black color)	10
A2	0.967.159	24 V, 50 Hz solenoid (grey color)	10
A3	0.967.165	220 V, 50 Hz solenoid (blue color)	10

ACCESSORIES

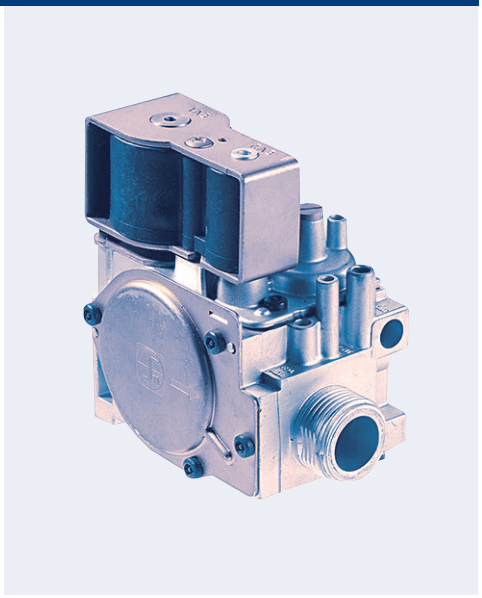
N.	Code	Description	Q.ty	N.	Code	Description	Q.ty
1	0.925.133	O-ring for side outlet	100	4a	0.504.010	Connector/igniter 504 NAC 2 electrodes, 5 wires	20
2	0.953.082	EV1-EV2 plug screw	100	4b	0.504.011	Connector/igniter 504 NAC 2 electrodes, 4 wires	20
3a	0.960.400	EV1-EV2 plug cable-L= 515 mm (4 wires)	20	4c	0.504.012	Connector/igniter 504 NAC 2 electrodes, 5 wires	20
3b	0.960.401	EV1-EV2 plug cable L= 620 mm (3 wires)	20	4d	0.504.013	Connector/igniter 504 NAC-1 electrode, 5 wires	20
3c	0.960.402	EV1-EV2 plug cable L= 1,070 mm (3 wires)	20	5	0.960.450	Modulator device plug + screw L = 210 mm	20
3d	0.960.403	EV1-EV2 plug cable L= 175 mm (4 wires)	20	6	0.999.994	Min-max modulator adjusting tool	5
3e	0.960.404	EV1-EV2 plug cable L= 580 mm (3 wires)	20	7	0.954.151	Modulator plug	100

Subject to change without notice

848 SIGMA

MAIN FEATURES

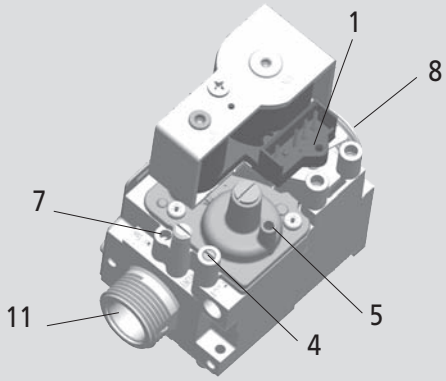
- Two automatic shut-off valves
- Pneumatic modulator with 1:1 gas-air pressure ratio
- Servo-controlled pressure regulator
- Gas-air ratio adjuster (optional)
- Inlet filter
- Outlet filter (optional)
- Inlet, outlet and additional pressure test points with "captured" screw
- Inlet and outlet gas connection available with male or female thread or for flange connection, available side outlet

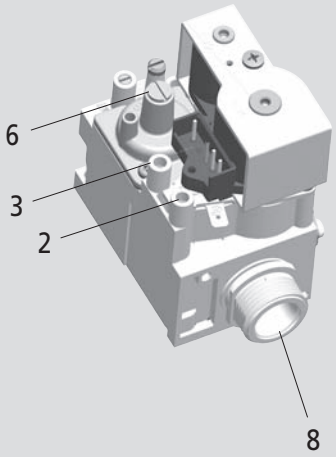


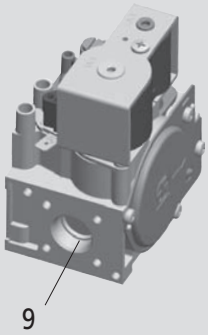
DESCRIPTION

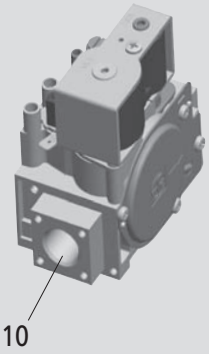
1 On-off solenoid valve EV1 and EV2 terminals
2 Inlet pressure test point (Pin)
3 Outlet pressure test point (Pint)
4 Additional outlet pressure test point (Pout)
5 Air signal connection port
6 Zero adjustment (offset)
7 Gas-air ratio adjuster
8 Male G 3/4 gas inlet
9 Flange gas inlet
10 Female Rp 1/2 gas inlet
11 Male G 3/4 gas outlet
12 Flange gas outlet
13 Female Rp 1/2 gas outlet
14 Side gas outlet.

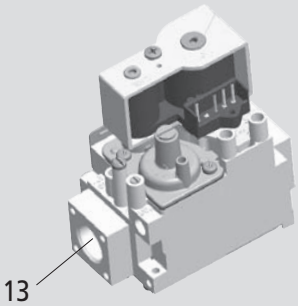
DESCRITION

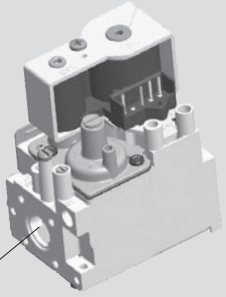


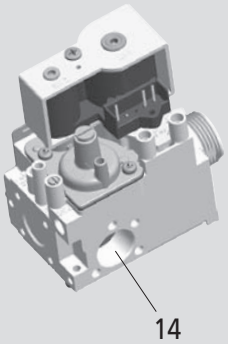












CODES

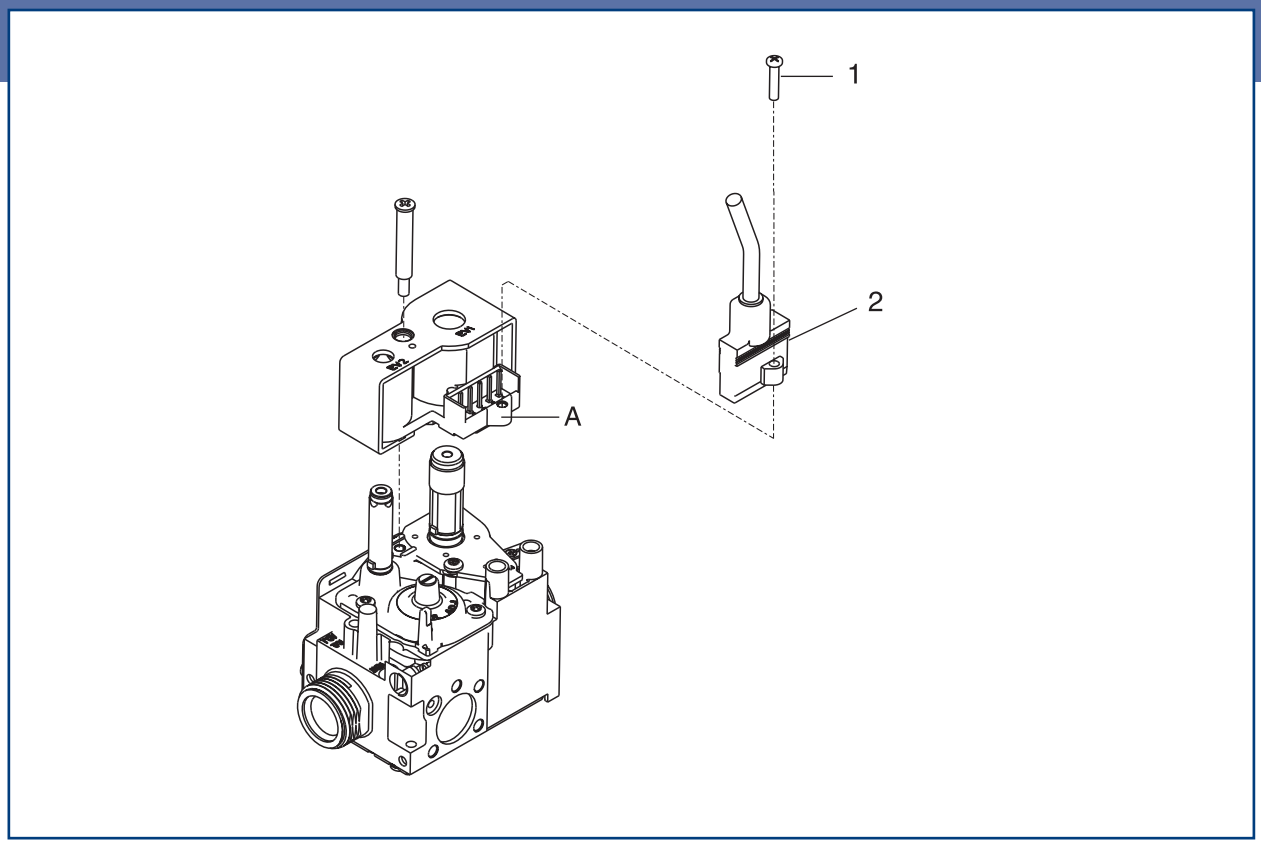
Codes	Ambient temperature range	UK Version	Body lenght [mm]	Inlet	Outlet displacement	Outlet	Capacity (1)	EV Electric supply	EV Class	Ratio Adjuster (2)
1848001	-10÷60°C	yes	98	Male G3/4		Flange		22 Vdc	B+C	HP
0848002	-10÷60°C	yes	105	Female Rp1/2		Female Rp1/2	ST	230V 50Hz	B+C	HP
0848003	-10÷60°C	no	113	Male G3/4		Male G3/4		230V 50Hz	B+C	HP
0848005	0÷60°C	yes	80	Flange		Flange	ST	24V 50Hz	B+C	ST
0848006	-15÷60°C	yes	113	Male G3/4		Male G3/4	ST	24V RAC	B+C	ST
0848009	0÷60°C	no	113	Male G3/4		Male G3/4	ST	24V 50Hz	B+C	ST
0848010	0÷60°C	no	113	Male G3/4		Male G3/4	ST	220V 60Hz	B+J	ST
0848011	0÷60°C	no	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	ST
0848012	0÷60°C	no	113	Male G3/4		Male G3/4	ST	220V 60Hz	B+C	ST
0848015	0÷60°C	no	80	Flange	Side	Ø.14-3 holes M5	ST	230V 50Hz	B+J	no
0848016	0÷60°C	no	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	ST
0848017	0÷60°C	no	113	Male G3/4		Male G3/4	ST	24V 50Hz	B+J	ST
0848019	0÷60°C	no	80	Flange		Flange	ST	230V 50Hz	B+C	ST
0848022	0÷60°C	no	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	HP
0848024	0÷60°C	no	113	Male G3/4		Male G3/4	ST	24V 50Hz	B+C	ST
0848026	0÷60°C	no	105	Female Rp1/2		Female Rp1/2	ST	24V RAC	B+C	ST
0848028	0÷60°C	no	98	Male G3/4	Side	Ø.20-2 holes M5	ST	24V RAC	B+C	no
0848029	0÷60°C	no	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	ST
0848030	0÷60°C	no	105	Female Rp1/2		Female Rp1/2	ST	24V 50Hz	B+C	no
0848032	0÷60°C	no	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	ST
0848033	0÷60°C	no	80	Flange	Side	Ø.14-3 holes M5	ST	230V 50Hz	B+C	ST
0848034	0÷60°C	no	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	ST
0848036	0÷60°C	no	113	Male G3/4		Male G3/4	ST	24V 50Hz	B+C	ST
0848037	0÷60°C	no	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	no
0848038	0÷60°C	yes	105	Female Rp1/2		Female Rp1/2	ST	230V 50Hz	B+C	no
0848039	0÷60°C	yes	105	Female Rp1/2		Female Rp1/2	ST	230V 50Hz	B+C	ST
0848040	0÷60°C	yes	80	Flange	Side	Ø.20-3 holes M5	ST	230V 50Hz	B+C	ST
0848041	0÷60°C	no	105	Female Rp1/2		Female Rp1/2	ST	230V 50Hz	B+C	ST
0848042	0÷60°C	no	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	ST
0848043	0÷60°C	yes	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	ST
0848045	0÷60°C	yes	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	ST
0848046	0÷60°C	no	113	Male G3/4		Male G3/4	ST	24V RAC	B+C	ST
0848047	0÷60°C	no	80	Flange		Flange	ST	220V 60Hz	B+C	ST
0848049	-10÷60°C	yes	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	ST
0848051	-10÷60°C	yes	105	Female Rp1/2		Female Rp1/2	HI	230V 50Hz	B+J	ST
0848052	0÷60°C	no	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	ST
0848054	-10÷60°C	yes	105	Female Rp1/2		Female Rp1/2	ST	230V 50Hz	B+C	HP
0848055	-10÷60°C	yes	98	Male G3/4		Ø.20-3 holes M5	ST	230V 50Hz	B+C	HP
0848057	0÷60°C	no	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	no
0848058	0÷60°C	yes	113	Male G3/4		Male G3/4	ST	24V 50Hz	B+C	ST
0848059	0÷60°C	yes	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	no
0848063	0÷60°C	yes	98	Male G3/4	Side	Ø.20-3 holes M5	ST	230V 50Hz	B+C	ST
0848065	-15÷60°C	no	113	Male G3/4		Male G3/4	ST	220V 60Hz	B+C	no
0848066	14-140°F	yes	105	Flange		Flange	ST	120V 60Hz	B+C	HP

Codes	Ambient temperature range	UK Version	Body lenght [mm]	Inlet	Outlet displacement	Outlet	Capacity (1)	EV Electric supply	EV Class	Ratio Adjuster (2)
0848067	-10÷60°C	yes	98	Male G3/4		Flange		22 Vdc	B+C	HP
1848067	-10÷60°C	yes	98	Male G3/4		Flange		22 Vdc	B+C	HP
0848068	0÷60°C	yes	98	Male G3/4		Flange		230V 50Hz	B+C	HP
0848069	-10÷60°C	yes	113	Male G3/4		Male G3/4	ST	24V 50Hz	B+J	ST
0848070	0÷60°C	no	105	Female Rp1/2		Female Rp1/2	ST	230V 50Hz	B+C	ST
0848071	0÷60°C	yes	113	Male G3/4		Male G3/4	ST	24V 50Hz	B+C	ST
0848072	-10÷60°C	yes	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	ST
0848073	0÷60°C	yes	105	Female Rp1/2		Female Rp1/2	ST	230V 50Hz	B+C	ST
0848074	-10÷60°C	yes	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	HP
0848075	-10÷60°C	yes	113	Male G3/4		Male G3/4	HI	120V 60Hz	B+C	ST
0848077	0÷60°C	yes	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	ST
0848078	0÷60°C	no	105	Female Rp1/2		Female Rp1/2	ST	230V 50Hz	B+C	no
0848079	0÷60°C	no	105	Female Rp1/2		Female Rp1/2	ST	230V 50Hz	B+C	HP
0848080	0÷60°C	no	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	HP
0848082	0÷60°C	no	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	ST
0848083	0÷60°C	no	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	no
0848085	-15÷60°C	no	80	Flange	Side	Ø.14-3 holes M5	ST	220V 60Hz	B+C	ST
0848086	0÷60°C	no	80	Flange		Flange	ST	230V 50Hz	B+C	ST
0848087	0÷60°C	no	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	no
0848088	0÷60°C	yes	98	Male G3/4	Side	Ø.20-2 holes M5		24V RAC	B+C	no
0848090	-15÷60°C	no	98	Male G3/4	Side	Ø.20-2 holes M5	ST	24V RAC	B+C	no
0848092	0÷60°C	no	105	Female Rp1/2		Female Rp1/2	ST	220V 60Hz	B+J	no
0848093	0÷60°C	yes	132	Male G3/4		Male G3/4		31 Vdc	B+C	HP
0848094	0÷60°C	no	98	Male G3/4		Ø.20-3 holes M5	ST	230V 50Hz	B+C	HP
0848095	0÷60°C	yes	113	Male G3/4		Male G3/4	ST	21V Vdc	B+C	no
0848097	0÷60°C	no	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	HP
0848099	0÷60°C	yes	98	Male G3/4	Side	Ø.20-2 holes M5	ST	24V RAC	B+C	no
0848102	-10÷60°C	yes	105	Female Rp1/2		Female Rp1/2	ST	230V 50Hz	B+C	HP
0848105	0÷60°C	yes	132	Male G3/4		Male G3/4		31 Vdc	B+C	HP
0848106	-10÷60°C	yes	113	Male G3/4		Male G3/4	ST	24V RAC	B+C	HP
0848107	-10÷60°C	yes	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	HP
0848108	-10÷60°C	yes	113	Male G3/4		Male G3/4	ST	31 Vdc	B+C	no
0848110	-10÷60°C	yes	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	ST
0848112	0÷60°C	yes	113	Male G3/4		Male G3/4	ST	21V Vdc	B+C	HP
0848117	-15÷60°C	no	98	Male G3/4	Side	Ø.20-3 holes M5	ST	230V 50Hz	B+C	no
0848119	-10÷60°C	yes	113	Male G3/4		Male G3/4	HI	230V 50Hz	B+J	ST
0848120	14-140°F	yes	113	Male 1/2NPT		Male 1/2NPT	ST	24V 60Hz	B+J	ST
0848121	-10÷60°C	yes	113	Male G3/4		Male G3/4	HI	230V 50Hz	B+J	HP
0848122	-15÷60°C	yes	98	Male G3/4	Side	Ø.20-2 holes M5	ST	24V RAC	B+C	no
0848123	-10÷60°C	yes	98	Male G3/4	Side	Ø.20-3 holes M5	ST	230V 50Hz	B+C	HP
0848125	0÷60°C	yes	98	Male G3/4	Side	Ø.14-3 holes M5	ST	230V 50Hz	B+C	HP
0848126	5-140°F	yes	105	Female Rp1/2		Female Rp1/2	ST	120V 60Hz	B+C	no
0848127	-10÷60°C	yes	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	HP
0848128	0÷60°C	yes	80	Flange		Flange	ST	230V 50Hz	B+C	HP

Codes	Ambient temperature range	UK Ver-sion	Body lenght [mm]	Inlet	Outlet displace-ment	Outlet	Capacity (1)	EV Electric supply	EV Class	Ratio Adjuster (2)
0848129	-15÷60°C	no	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	ST
0848130	-10÷60°C	no	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	ST
0848135	-15÷60°C	no	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	ST
0848138	-15÷60°C	no	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	ST
0848139	-10÷60°C	yes	105	Female Rp1/2		Female Rp1/2	ST	230V 50Hz	B+C	HP
0848140	-10÷60°C	yes	105	Female Rp1/2		Female Rp1/2	ST	230V 50Hz	B+C	HP
0848143	-10÷60°C	yes	105	Female Rp1/2		Female Rp1/2	ST	230V 50Hz	B+C	HP
0848146	-10÷60°C	yes	105	Female Rp1/2		Female Rp1/2	ST	230V 50Hz	B+C	HP
0848149	-10÷60°C	yes	113	Male G3/4		Male G3/4	ST	31 Vdc	B+C	no
0848151	-15÷60°C	no	98	Male G3/4	Side	Ø.20-3 holes M5	ST	230V 50Hz	B+C	HP
0848152	-15÷60°C	yes	98	Male G3/4	Side	Ø.20-2 holes M5	ST	24V RAC	B+C	HP
0848154	-10÷60°C	yes	105	Female Rp1/2		Female Rp1/2	ST	230V 50Hz	B+C	HP
0848156	14-140°F	yes	105	Flange		Flange	ST	230V 50Hz	B+C	HP
0848158	-10÷60°C	yes	80	Female Rp1/2		Female Rp1/2	ST	230V 50Hz	B+C	HP
0848159	-15÷60°C	yes	113	Male G3/4		Male G3/4	ST	230V 50Hz	B+C	ST
0848166	14-140°F	yes	105	Female Rp1/2		Female Rp1/2	ST	120V 60Hz	B+C	HP

(1) ST = Standard Capacity,
HI = High Capacity

(2) Ratio Adjuster:
no = not present
ST = Standard
HP = High Power



SPARE PARTS

N.	Code	Description	Q.ty
A1	0.967.003	230 V, 50 Hz solenoid (black color- 6KV)	10
A2	0.967.160	230 V, 50 Hz solenoid (black color)	10
A3	0.967.165	220 V, 60 Hz solenoid (blue color)	10

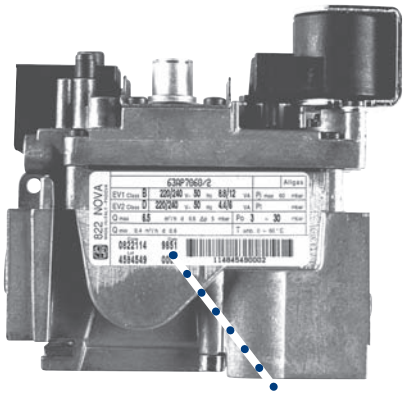
ACCESSORIES

N.	Code	Description	Q.ty
1	0.953.082	EV1-EV2 plug screw	100
2a	0.960.400	EV1-EV2 plug cable-L= 515 mm (4 wires)	20
2b	0.960.401	EV1-EV2 plug cable L= 620 mm (3 wires)	20
2c	0.960.402	EV1-EV2 plug cable L= 1,070 mm (3 wires)	20
2d	0.960.403	EV1-EV2 plug cable L= 175 mm (4 wires)	20
2e	0.960.404	EV1-EV2 plug cable L= 580 mm (3 wires)	20

Subject to change without notice

READ THE SIT LABEL

The label impressed on SIT products gives the identification code as well as other information which may be useful for the user. Let us look at it.

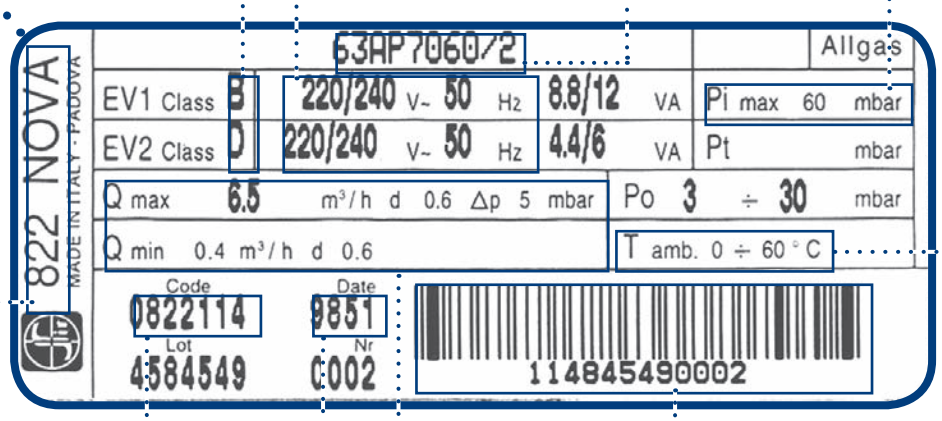


Counterpressure class of the sealing valve. This information identifies the resistance rating of the tightness of the valves themselves at pressures in the opposite direction to that normally found in the piping, in accordance with EN 161 "Automatic sectioning valves for gas burners".

Maximum inlet pressure. The maximum permitted gas inlet pressure for good operation of the control is indicated.

Electric power supply. The electric power supply voltage and frequency conditions are indicated for any solenoid valves.

PIN (Product Identification Number): this alphanumerical code unequivocally identifies the compliance of the product with the standards in force, certified by an accredited certifying body.



Series the product belongs to (family)

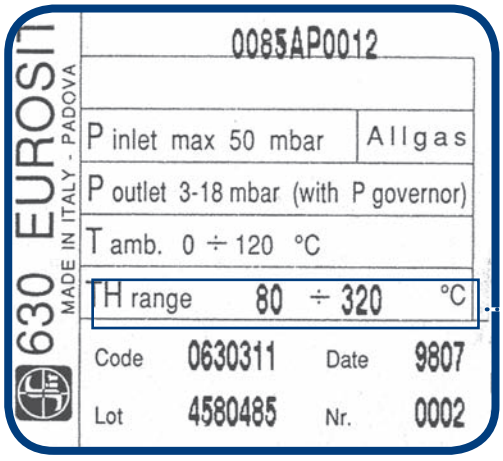
Identification code (see page 7)

Maximum flow rate. Minimum flow rate. These values respectively indicate the recommended maximum and minimum values of the gas flow rate through the control in the conditions specified and for the type of gas indicated.

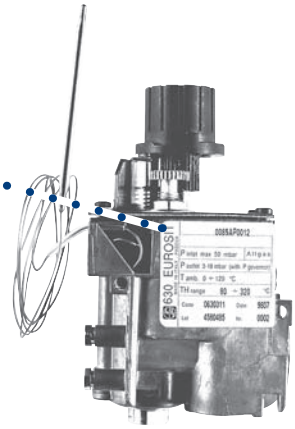
Environmental temperature. The environmental temperature to which the control is subjected must not exceed the limits specified so as to guarantee correct operation.

Date of manufacture. The first two figures indicate the year and the second two the week of the year the control was manufactured.

Bar code (code 93). This code which can be read by an optical reader contains all the information shown on the label.



Thermostat temperature range. This datum gives the working range of the thermostat (if fitted).



STANDARDS

SIT controls have been designed and built in accordance with European Directive (GAD) 2009-142 (ex 90/396), also called the "Gas" directive.
Conformity is certified by special accredited bodies which issue the PIN (Product Identification Number) shown on the label of all SIT products.
The PIN is exhaustive for certifying the conformity of the controls in question.
Along with the SIT product, the Customer is given a copy of the declaration of conformity drawn up by the manufacturer as required by Directive 2009-142.

The PIN numbers of all the products shown in this catalogue and reference standard are given for information.

Product	*PIN*	*standard*
310 GAS	*0085AQ0950*	*DIN 3398-1*
360 PRESCAL	*0085AR0012*	*DIN EN 1854*
380 ARIA	*0085AQ0951*	*DIN 3398-1*
400 M1	*0085AQ0588*	*EN 125*
420 B3	*0085AQ0589*	*EN 125*
440 D3	*0085AQ0587*	*EN 125*
503 EFD	*0063AS4787*	*EN 298*
537 ABC	*0063AT1987*	*EN 298*
610 AC3	*0085AO0252*	*EN 125, EN 88*
630 EUROSIT	*0085AP0012*	*EN 126*
710 MINISIT	*0085AQ0287*	*EN 126*
810 ELETTROSIT	*63AN7060/3*	*EN 126*
820 NOVA	*63AP7060/2*	*EN 126*
822 NOVA	*63AP7060/2*	*EN 126*
822 NOVAMIX	*63AP7060/2*	*EN 126*
824 NOVA	*63AP7060/2*	*EN 126*
825 NOVA	*63AP7060/2*	*EN 126*
826 NOVA	*63AP7060/2*	*EN 126*
827 NOVA	*63AP7060/2*	*EN 126*
828 NOVAMIX	*63AP7060/2*	*EN 126*
830 TANDEM	*63AP7060/4*	*EN 126*
836 TANDEM	*63AP7060/4*	*EN 126*
837 TANDEM	*63AP7060/4*	*EN 126*
840 SIGMA	*0063AS4831*	*EN126*
843 SIGMA	*0063AS4831*	*EN 126*
845 SIGMA	*0063AS4831*	*EN 126*
848 SIGMA	*0063AS4831*	*EN 126*

STANDARDS

GENERAL PRECAUTIONS FOR THE USE AND INSTALLATION OF SIT PRODUCTS

SIT gas controls are safety devices and must not be opened or tampered with for any reason (repair etc.). If any such operations are carried out, SIT declines all responsibility for damages resulting from improper actions.

Whenever malfunctions or problems arise, replace the device with an original SIT spare with a conformity certificate.

Comply with the following instructions scrupulously during the replacement operations.

1. Check that the code of the spare part corresponds with the product which needs to be replaced.

2. Cut off the gas and electricity supplies to the appliance before every operation.

3. Carefully study the instructions both of the spare part and of the appliance and faithfully follow the replacement operations.

4. When the replacement is complete, check the electrical connections, and the gas connections and seals.

5. Run the appliance and make any settings, scrupulously following the indications of the manufacturer of the appliance.
   When the adjustment has been made, put back any protective screws and/or seal the same.

6. Check the efficiency of the appliance.

GLOSSARY

Piezoelectric ignition	Device in which the electric discharge used to ignite the fuel mixture is obtained by applying a mechanical force to certain materials (piezoelectric-effect crystals).
Restart interlock	Mechanism integrated in thermoelectric safety systems for preventing any immediate manual reopening of the gas flow to the main burner. In practical terms, after the gas control has been closed, its resetting is prevented until the magnet unit has returned to the safety position. This restart interlock is usually simply called an "interlock".
Pressure regulator class	Classification specified in the standards relating to pressure regulators (EN 88). This classification (A, B or C) is an indication in descending order of the regulator's performance in relation to variations in the inlet pressure and flow rate of the gas.
Shut-off valve class	Classification specified in the standards relating to gas valves (EN 161 / EN 126). This classification (A, B or C) is an indication in descending order of the closing strength of the valve concerned.
Automatic control	Electrically-operated multi-functional control that is combined with an electronic burner control device to enable a completely automatic ignition and control process.
Thermoelectric gas control	Multi-functional control in which the safety function is guaranteed by the thermocouple/magnet unit system.
Thermostatic gas control	Multi-functional gas control with temperature control functions provided by means of variations in the gas flow that depend on the temperature of a sensor, without the need for any auxiliary electric energy.

GLOSSARY

Multi-functional gas control	Device with two or more functions, one of which is to shut off the gas flow, integrated in a single body. Commonly also called "valve".
Multi-functional gas/air control	Multi-functional control which integrates the gas/air regulating function, which enables the control to regulate the outlet pressure of the gas on the basis of an air pressure signal. In this way, the quantity of gas delivered by the control can be regulated on the basis of the quantity of air available for combustion.
EUROSIT	Family of SIT products. These are thermostatic controls. All the products in the EUROSIT range have code numbers beginning with the figures 0.630.xxx.
Gas family	Fuel gases are divided into three families. The standard defines them on the basis of an index (the Wobbe index). Basically, the first family includes the so-called "town gases", the second covers the natural gases and the third the liquefied petroleum gases (GPL).
EMF	Electro-motive force; this corresponds to the difference in electric potential (voltage).
Magnet unit	Device that can be set manually to enable the gas flow only in the presence of an electromotive force generated by a thermocouple.
MINISIT	Family of SIT products. These are thermostatic controls. All the products in the MINISIT range have code numbers beginning with the figures 0.710.xxx.
EN standard XXX	European standard issued by the CEN under mandate from the European Commission and applicable to all members of the CEN (European Union members states plus some other countries). The EN standards establish requirements concerning safety, construction and performance.

GLOSSARY

NOVA	Family of SIT products. These are electrically-operated controls characterized by a distance between centers of 115 mm and suitable for appliances up to 70 kW. All the products in the NOVA range have code numbers beginning with the figures 0.82x.xxx.
NOVAMIX	Products in the NOVA range with an integrated pneumatic gas/air regulating function.
Gas/air ratio	Relationship between the pneumatic air signal delivered to the multi-functional gas/air control and the control's gas outlet pressure. For instance, a gas/air control with a ratio of 1:9 behaves so that if it receives an air pressure signal of 1 mbar its gas outlet pressure is regulated on 9 mbar.
Servo-assisted pressure regulator	Pressure regulator in which the regulating function is implemented through a specific "servo" circuit installed in parallel with the main gas flow.
SIGMA	Family of SIT products. These are electrically-operated controls characterized by a distance between centers of 80 mm and suitable for appliances up to 60 kW. All the products in the SIGMA range have code numbers beginning with the figures 0.84x.xxx.
TANDEM	Family of SIT products. These are electrically-operated controls characterized by a distance between centers of 105 mm and suitable for appliances up to 40 kW. All the products in the TANDEM range have code numbers beginning with the figures 0.83x.xxx.
Thermocouple	Element comprising two dissimilar metals in which a difference in electric potential is created as a result of a temperature difference between the higher temperature side (hot joint) and the lower temperature side (cold joint), said potential being proportional to the difference in temperature.

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PRODUCT LINE

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