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۰۲۱-۵۸۴۳۷

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RAD PIPE 021 - 58437

7321B-7322B SERIES

*2-way pilot operated
solenoid valves for water,
hot water and steam*



Catalogue 8659/GB



NEW

Also available with
ATEX G & D
Explosion-proof
electrical parts

Technical specifications

| | |
|--------------------------------|---|
| General description | The 7321B, 7322B water valves series are diaphragm pilot operated valves and require a minimum differential pressure to operate |
| Applications | They are used for general applications with high flow rates and media such as water, hot water and steam , provided they are compatible with the component materials. Typical applications can be found in: Washing machine, car wash installations, cooling of machine tools, Hydrocleaners, autoclaves, irrigation systems etc |
| Temperatures | Admissible ambient temperatures: -10 to +50 °C Working fluid temperature: see table |
| Material specifications | Valve body: CW617N UNI EN 12165:98 Forged Brass Enclosing tube: AISI 304 stainless steel Plunger: AISI 430F St. Steel Spring: AISI 302 St. Steel Seals: NBR (Buna N) – EPDM Shading ring: Copper |
| RoHs compliant | |
| Installation | The valves can be mounted in any position. It is however recommended to install them with the coil in vertical position above the body. |
| Electrical parts | Detailed description: see page 8 |

| Coil | Protection class / Temperature class | Power | | Coil Ref. No. | Electrical Connection | Housing Ref. | Ambient temp. | | Cross Reference | Fig. |
|-------------|--------------------------------------|-------------|------|---------------|-----------------------|-------------------|---------------|-------|--------------------------------|------|
| | | (hot) | | | | | deg C | | | |
| | | DC | AC | | | | Min | Max | | |
| 32 mm (Std) | Class F | 9 W | 8W | 481865 | For DIN plug | 2995 * | -40 | 50 | ZB09 (50Hz AC) ZB12 (DC) | 1 |
| | Class F | 9 W | 8 W | 482725 | With DIN plug | 2995 * | -40 | 50 | ZB09+PG9 (50Hz AC) ZB12+PG9 | 1 |
| | Class F, 50/60 Hz | - | 9 W | 483510 | For DIN plug | 2995 * | -40 | 50 | ZB09 | 1 |
| | Class F, 50/60 Hz | - | 9 W | 482635 | With DIN plug | 2995 * | -40 | 50 | ZB09+PG9 | 1 |
| | Class F, 60Hz UR | 16W | 13W | 491514 | For DIN plug | 2995 * | -40 | | ZB09 UL | 1 |
| | Class H | 9 W | 8 W | 492453 | For DIN plug | 2995 * | -40 | 80 | - | 1 |
| | Class H | 9 W | 8 W | 492726 | With DIN plug | 2995 * | -40 | 80 | - | 1 |
| | Class H | 14 W | 14 W | 492425 | For DIN plug | 2995 * | -40 | 80 | ZH14 ZH16 | 1 |
| | Class H | 14 W | 14 W | 492727 | With DIN plug | 2995 * | -40 | 80 | ZH14+PG9 ZH16+PG9 | 1 |
| | Ex | EEx m II T4 | 9 W | 8 W | 492670 | With 3000mm cable | - | -40 | 40 | - |
| Ex | II 3 G - EEx nAC IIC T3/T4 | 9 W | 8 W | 495870 | With DIN plug | - | -40 | 65/50 | - | 7 |
| Ex | II 3 G - EEx nAC IIC T3/T4 | 7 W | 6 W | 495875 | With DIN plug | - | -40 | 65/50 | - | 7 |
| Ex | II 3 G - EEx nAC IIC T3 | - | 9 W | 496110 | With DIN plug | - | -40 | 50 | - | 7 |
| Ex | II 3 G - EEx nAC IIC T3 | 14 W | 14 W | 495880 | With DIN plug | - | -40 | 50 | - | 7 |
| 37mm | Ex II 2 G-EEx dm IIC T4 | 8 W | 8 W | 495905 | For cable connection | - | -40 | 65 | - | 6 |
| 50 mm (Std) | Class F | 8 W | 8 W | 481000 | Screw-terminals | 4270 | -40 | 50 | - | 3 |
| | Class F, IP 67, M20x1.5 | 8 W | 8 W | 481000 | Screw-terminals | 4538 | -40 | 50 | - | 4 |
| | Class H | 8 W | 8 W | 485100 | Screw-terminals | 4270 | -40 | 80 | - | 3 |
| | Ex II 3 G - EEx nAC IIC T3 | 14 W | 14 W | 496155 | Screw-terminals | - | -40 | 65 | - | 8 |

* The **fixing nut** and **nameplate** are integrated in the **valve** itself, so that the standard housing type “2995” **MUST NOT** be specified in valve numbering: see next page

Numbering system

A complete valve is usually composed of 3 elements: the **valve** itself, the **housing** and the **coil** which need to be ordered separately. For “integrated coil/housings”, the “housing reference” corresponds to the fixing nut and nameplate.

• Valve Numbering

The classic “7000” numbering system will NO LONGER be in use for the Water Valve family and will be replaced by the following (please see the complete cross reference at page 2).

| New Numbering | | | | | | | | | | Description | Old Numbering | | | | | | | | | | | | | |
|---------------|---|---|---|-----|---|---|---|---|--|-------------|----------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 3 | 2 | 1 | B | A | N | x | x | | | | | 7 | 3 | 2 | 1 | B | B | G | 4 | T | N | 0 | 0 |
| 7 | | | | | | | | | | | 7000 operator | | | | | | | | | | | | | |
| | 3 | | | | | | | | | | Pilot operated valve | | | | | | | | | | | | | |
| | 2 | | | | | | | | | | Direct Lift operated valve | | | | | | | | | | | | | |
| | 1 | | | | | | | | | | Direct operated valve | | | | | | | | | | | | | |
| | | 2 | | | | | | | | | 2/2 way | | | | | | | | | | | | | |
| | | | 2 | | | | | | | | Normally Open | | | | | | | | | | | | | |
| | | | 1 | | | | | | | | Normally Close | | | | | | | | | | | | | |
| | | | | A | | | | | | | Family Name | | | | | | | | | | | | | |
| | | | | B | | | | | | | | | | | | | | | | | | | | |
| | | | | C | | | | | | | | | | | | | | | | | | | | |
| | | | | ... | | | | | | | | | | | | | | | | | | | | |
| | | | | | I | | | | | | 3/8" | | | | | | | | | | | | | |
| | | | | | A | | | | | | 1/2" | | | | | | | | | | | | | |
| | | | | | C | | | | | | 3/4" | | | | | | | | | | | | | |
| | | | | | D | | | | | | 1" | | | | | | | | | | | | | |
| | | | | | E | | | | | | 1 1/4" | | | | | | | | | | | | | |
| | | | | | F | | | | | | 1 1/2" | | | | | | | | | | | | | |
| | | | | | G | | | | | | 2" | | | | | | | | | | | | | |
| | | | | | L | | | | | | 2 1/2" | | | | | | | | | | | | | |
| | | | | | M | | | | | | 3" | | | | | | | | | | | | | |
| | | | | | | N | | | | | NBR | | | | | | | | | | | | | |
| | | | | | | V | | | | | FKM | | | | | | | | | | | | | |
| | | | | | | H | | | | | EPDM | | | | | | | | | | | | | |
| | | | | | | | 0 | 0 | | | Standard version | | | | | | | | | | | | | |
| | | | | | | | 0 | 1 | | | Manual Override (MO) | | | | | | | | | | | | | |
| | | | | | | | 0 | 2 | | | Speed Control + MO | | | | | | | | | | | | | |
| | | | | | | | 0 | 6 | | | Speed Control | | | | | | | | | | | | | |
| | | | | | | | 9 | 0 | | | NPT | | | | | | | | | | | | | |
| | | | | | | | 9 | 1 | | | NPT - Manual Override (MO) | | | | | | | | | | | | | |
| | | | | | | | 9 | 2 | | | NPT - Speed Control + MO | | | | | | | | | | | | | |
| | | | | | S | x | x | x | | | Special versions | | | | | | | | | | | | | |

• Housing and Coil numbering

The standard Parker Lucifer numbering will be used for housings and coils.

As the housing model “2995” (fixing nut and nameplate) is included in the valve body it is not necessary to order it separately. In case of complete valve order (when agreed with the factory), this housing must not be added to numbering.

Correct numbering:
7321BIN

Equivalent to: (no longer in use)
7321BBG3TN00 – N1

REMARK: each reference, that is **valve**, **housing** (when requested) and **coil**, **has to be ordered separately**. To order the assembled valve please contact the Gessate factory for agreement on Minimum Order quantity and do not indicate the housing reference

Numbering examples

7321BAN00

valve body, including the housing “2995”; box quantity: 10pcs

483510S6

coil, box quantity: 10pcs

7321BCN 481865C2

complete valve body, box quantity: 10pcs; (*)

7321BDN 4270 4810003D

complete valve body, box quantity: 10pcs; (*)

Note (*): Minimum Order Quantity (MOQ) and a Minimum Shipment Quantity (MSQ) requested for complete valve. Please contact the Gessate factory.

Specification

| Port Size G | Orifice mm | Kv m3/h | Qmax m3/h | Maximum Admissible differential pressure (bar) | | | Max. admissible fluid temperature °C | Seals material | Order N° NEW | Cross Reference (Old numberings) | | Dimension ref. N° | Note |
|--|---------------|------------|--------------|--|----|----|--|-------------------|-----------------|-------------------------------------|---------------|-------------------------|------|
| | | | | min | DC | AC | | | | | | | |
| 2-way valves, pilot operated, normally closed, for water | | | | | | | | | | | | | |
| 3/8 " | 13 | 3.00 | 3.00 | 0.10 | 20 | 20 | 90 | NBR (*) | 7321BIN00 | PM133IN | 7321BBG3TN00 | 1 | - |
| 1/2" | 13 | 3.00 | 3.00 | 0.10 | 20 | 20 | 90 | NBR (*) | 7321BAN00 | PM133AN | 7321BBG4TN00 | 1 | - |
| 3/4" | 20 | 8.40 | 8.40 | 0.10 | 20 | 20 | 90 | NBR (*) | 7321BCN00 | PM133CN | 7321BBG53N00 | 1 | - |
| 1 " | 25 | 9.6 | 9.6 | 0.10 | 20 | 20 | 90 | NBR (*) | 7321BDN00 | PM133DN | 7321BBG64N00 | 1 | - |
| 1 1/4 " | 35 | 25.20 | 25.20 | 0.10 | 10 | 10 | 90 | NBR | 7321BEN00 | PM133.2EN | 7321BBG78N00 | 1 | - |
| 1 1/2" | 40 | 30.00 | 30.00 | 0.10 | 10 | 10 | 90 | NBR | 7321BFN00 | PM133.2FN | 7321BBG88N00 | 1 | - |
| 2 " | 50 | 37.20 | 37.20 | 0.10 | 10 | 10 | 90 | NBR | 7321BGN00 | PM133GN | 7321BBG99N00 | 1 | - |
| 2-way valves, pilot operated, normally closed for water, with manual override | | | | | | | | | | | | | |
| 3/8" | 13 | 3.00 | 3.00 | 0.10 | 20 | 20 | 90 | NBR (*) | 7321BIN01 | PM133IN CM | 7321BBG3TN00 | 1 | - |
| 1/2" | 13 | 3.00 | 3.00 | 0.10 | 20 | 20 | 90 | NBR (*) | 7321BAN01 | PM133AN CM | 7321BBG4TN00 | 1 | - |
| 3/4" | 20 | 8.40 | 8.40 | 0.10 | 10 | 10 | 90 | NBR (*) | 7321BCN01 | PM133CN CM | 7321BBG53NM0 | 1 | 2 |
| 1 " | 25 | 9.6 | 9.6 | 0.10 | 10 | 10 | 90 | NBR (*) | 7321BDN01 | PM133DN CM | 7321BBG64NM0 | 1 | 2 |
| 1 1/4 " | 35 | 25.20 | 25.20 | 0.10 | 5 | 5 | 90 | NBR | 7321BEN01 | PM133.2EN CM | 7321BBG78NM0 | 1 | 2 |
| 1 1/2" | 40 | 30.00 | 30.00 | 0.10 | 5 | 5 | 90 | NBR | 7321BFN01 | PM133.2FN CM | 7321BBG88NM0 | 1 | 2 |
| 2 " | 50 | 37.20 | 37.20 | 0.10 | 5 | 5 | 90 | NBR | 7321BGN01 | PM133GN CM | 7321BBG99NM0 | 1 | 2 |
| 2 1/2" | 65 | 63.00 | 63.00 | 0.20 | 10 | 10 | 90 | NBR | 7321BLN02 | PM133LN CMV | 7321BBGCBNM1 | 1 | 1 |
| 3" | 75 | 83.00 | 83.00 | 0.20 | 10 | 10 | 90 | NBR | 7321BMN02 | PM133MN CMV | 7321BBGDCCNM1 | 1 | 1 |
| 2-way valves, pilot operated, normally closed, for hot water and steam | | | | | | | | | | | | | |
| 3/8 " | 13 | 3.00 | 3.00 | 0.10 | 10 | 10 | 140 | EPDM | 7321BIH00 | PM143IH | 7321BBG3TE00 | 1 | 3 |
| 1/2" | 13 | 3.00 | 3.00 | 0.10 | 10 | 10 | 140 | EPDM | 7321BAH00 | PM143AH | 7321BBG4TE00 | 1 | 3 |
| 3/4" | 20 | 8.40 | 8.40 | 0.10 | 10 | 10 | 140 | EPDM | 7321BCH00 | PM143CH | 7321BBG53E00 | 1 | 3 |
| 1 " | 25 | 9.6 | 9.6 | 0.10 | 10 | 10 | 140 | EPDM | 7321BDH00 | PM143DH | 7321BBG64E00 | 1 | 3 |
| 1 1/4 " | 35 | 25.20 | 25.20 | 0.10 | 10 | 10 | 140 | EPDM | 7321BEH00 | PM143.2EH | 7321BBG78E00 | 1 | 3 |
| 1 1/2" | 40 | 30.00 | 30.00 | 0.10 | 10 | 10 | 140 | EPDM | 7321BFH00 | PM143.2FH | 7321BBG88E00 | 1 | 3 |
| 2 " | 50 | 37.20 | 37.20 | 0.10 | 10 | 10 | 140 | EPDM | 7321BGH00 | PM143GH | 7321BBG99E00 | 1 | 3 |
| 2-way valves, pilot operated, normally open, for water | | | | | | | | | | | | | |
| 3/8 " | 13 | 3.00 | 3.00 | 0.10 | 20 | 20 | 90 | NBR (*) | 7322BIN00 | PM143IN | 7322BBG3TN00 | 2 | - |
| 1/2" | 13 | 3.00 | 3.00 | 0.10 | 20 | 20 | 90 | NBR (*) | 7322BAN00 | PM143AN | 7322BBG4TN00 | 2 | - |
| 3/4" | 20 | 8.40 | 8.40 | 0.10 | 20 | 20 | 90 | NBR (*) | 7322BCN00 | PM143CN | 7322BBG53N00 | 2 | - |
| 1 " | 25 | 9.6 | 9.6 | 0.10 | 20 | 20 | 90 | NBR (*) | 7322BDN00 | PM143DN | 7322BBG64N00 | 2 | - |
| 1 1/4 " | 35 | 25.20 | 25.20 | 0.10 | 10 | 10 | 90 | NBR | 7322BEN00 | PM143.2EN | 7322BBG78N00 | 2 | - |
| 1 1/2" | 40 | 30.00 | 30.00 | 0.10 | 10 | 10 | 90 | NBR | 7322BFN00 | PM143.2FN | 7322BBG88N00 | 2 | - |
| 2 " | 50 | 37.20 | 37.20 | 0.10 | 10 | 10 | 90 | NBR | 7322BGN00 | PM143GN | 7322BBG99N00 | 2 | - |
| 2 1/2" | 65 | 63.00 | 63.00 | 0.20 | 10 | 10 | 90 | NBR | 7322BLN06 | PM143LN CMV | 7322BBGCBNM1 | 2 | - |
| 3" | 75 | 83.00 | 83.00 | 0.20 | 10 | 10 | 90 | NBR | 7322BMN06 | PM143MN CMV | 7322BBGDCCNM1 | 2 | - |
| Note: (*) available also with FKM diaphragm. Order N° example: 7321BAV | | | | | | | | | | | | | |

- Note 1.- Manual override and closure speed control standard.
 Note 2 - Available also with closure speed control (Option "02").
 Note3 – Maximum pressure for steam 4 bar (140 °C).

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Manual override

..00 changes to ..01 in the reference No.

The manual control is used to operate the valve without connecting the coil. The control consists in a slotted-head screw for a screwdriver and has two possible positions:

Closed: The letter “C” is in the upper position of the screw head (fig.1,2)

Open: The letter “A” is in the upper position of the screw head (fig.1,2)

In the closed position, the valve operates normally when coil is energised / de-energised.

Manual override plus closure speed control

..00 changes to ..02 in the reference No.

The closure time of certain types can be changed by means of the adjusting screw (fig. 3 and 4). The latter, by acting as a throttle on the inlet equalisation (pilot) hole of the valve, slows down the closure speed of the valve, thus reducing the water hammer effect. The regulation range is as follows: **Fig. 3 - Screw fully open:** max. closure speed. **Fig. 4 - Screw fully closed:** valve always open.

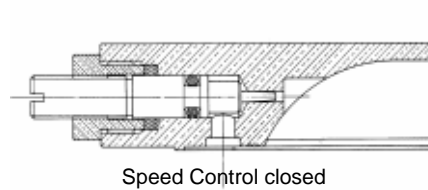
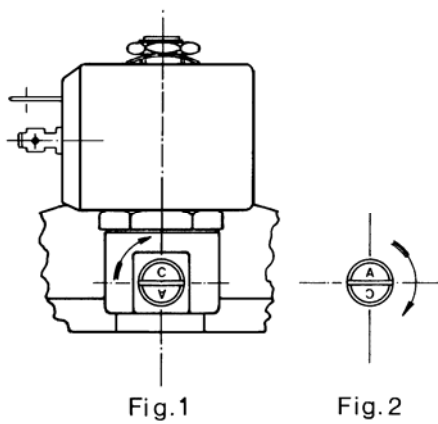


Fig. 3

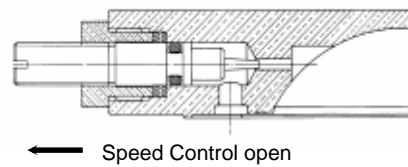
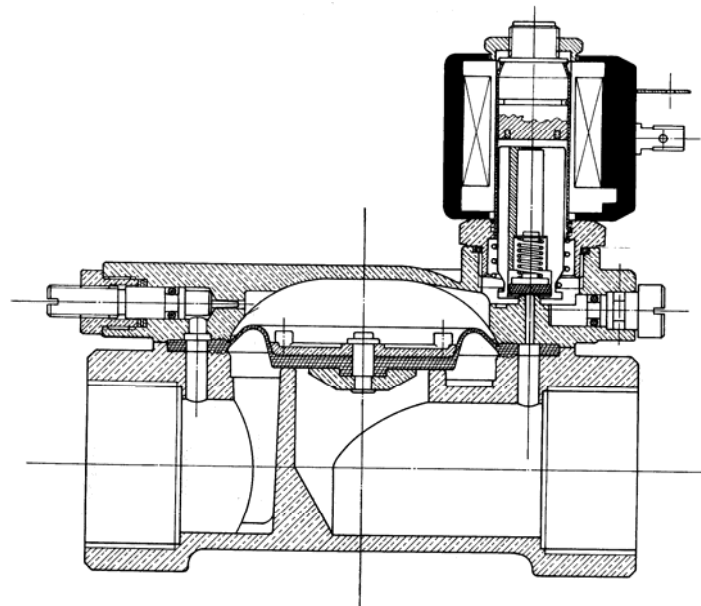


Fig. 4

Section drawing



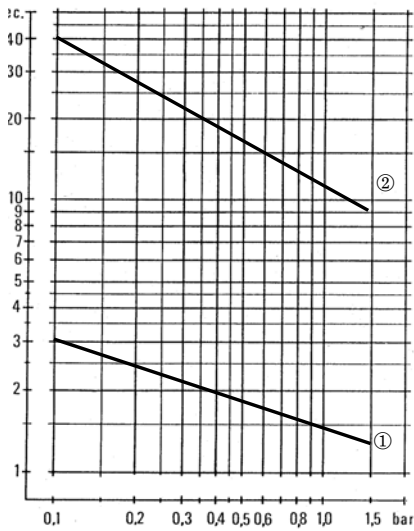
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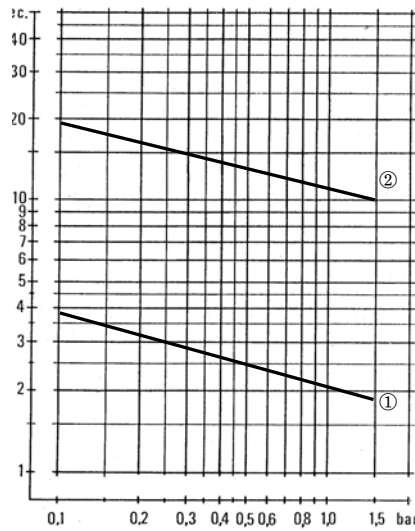
Diagrams of the closing times

Curve 1 – Closing time with adjusting screw completely open

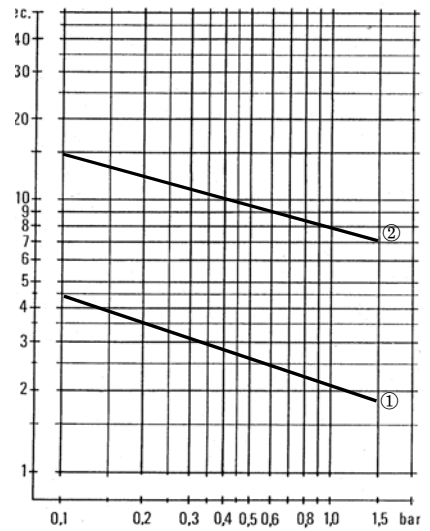
Curve 2 – Closing time with adjusting screw open by 1/2 turn



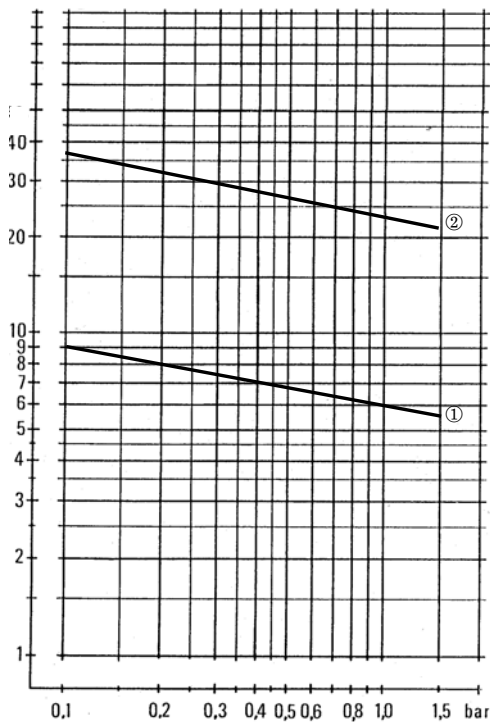
3/4" - 1"



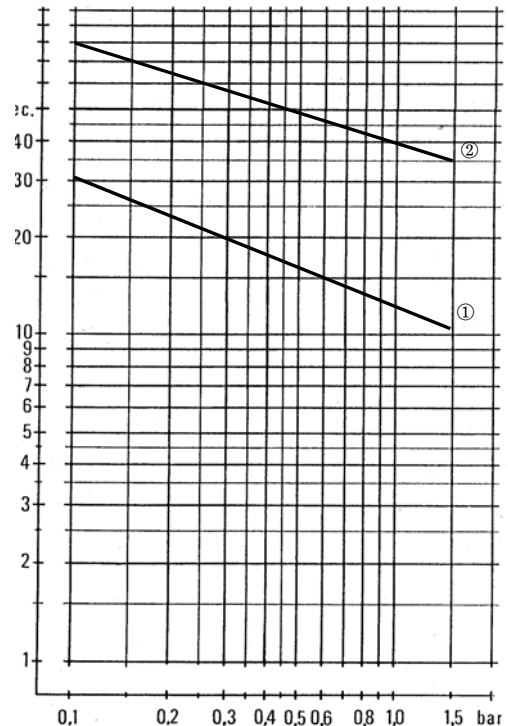
1 1/4" - 1 1/2"



2"



2 1/2"



3"

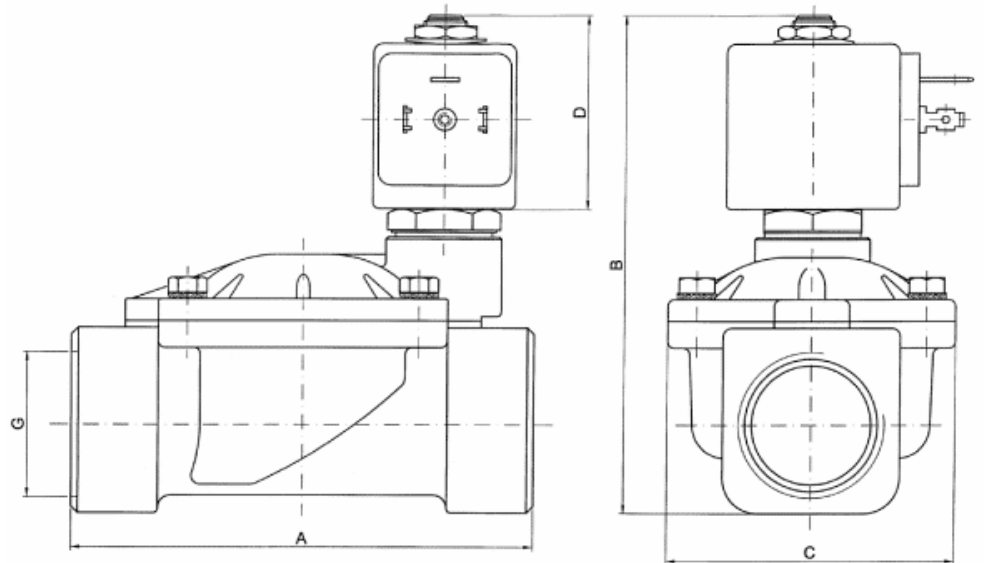
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Dimension drawings

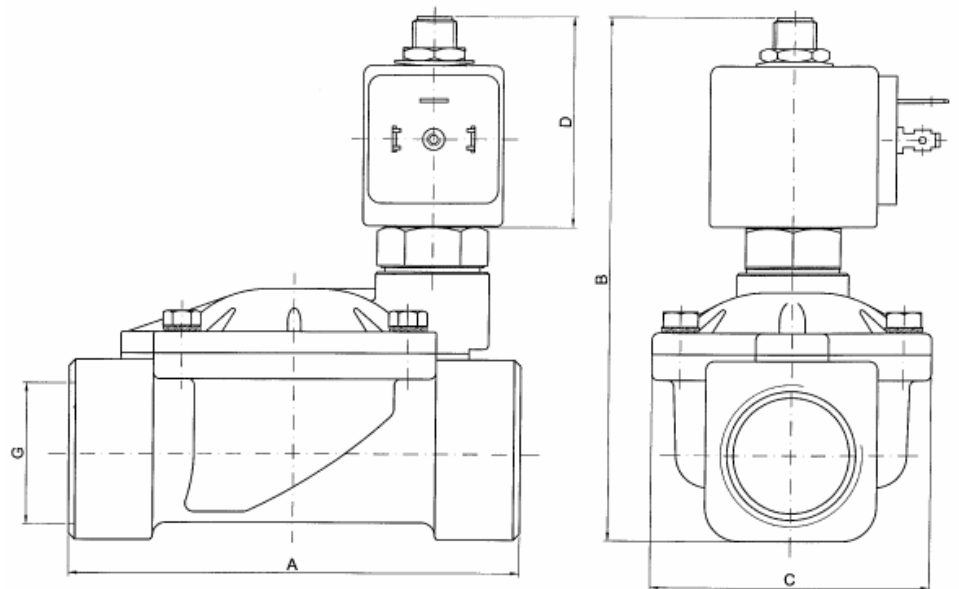
| Size | | | | |
|-------|-----|-------|-----|----|
| G | A | B | C | D |
| 3/8 | 69 | 99.5 | 40 | 44 |
| 1/2 | 72 | 101.5 | 40 | 44 |
| 3/4 | 100 | 107 | 65 | 44 |
| 1 | 104 | 112.5 | 65 | 44 |
| 1 1/4 | 145 | 134 | 102 | 44 |
| 1 1/2 | 145 | 134 | 102 | 44 |
| 2 | 173 | 148 | 118 | 44 |
| 2 1/2 | 245 | 195 | 184 | 44 |
| 3 | 250 | 195 | 184 | 44 |

Dim. drawing No. 1



| Size | | | | |
|-------|-----|-------|-----|----|
| G | A | B | C | D |
| 3/8 | 69 | 110 | 40 | 44 |
| 1/2 | 72 | 112 | 40 | 44 |
| 3/4 | 100 | 117.5 | 65 | 44 |
| 1 | 104 | 123 | 65 | 44 |
| 1 1/4 | 145 | 144.5 | 102 | 44 |
| 1 1/2 | 145 | 144.5 | 102 | 44 |
| 2 | 173 | 158.5 | 118 | 44 |
| 2 1/2 | 245 | 205.5 | 184 | 44 |
| 3 | 250 | 205.5 | 184 | 44 |

Dim. drawing No. 2



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ELECTRICAL PARTS DESCRIPTION

1. Standard coil 481865 (DC 9W, AC 8W) encapsulated in synthetic material. Connection for 2 P + E DIN 43650 A plug. Degree of protection IP 65.

2. High Temperature coil 492425 (14W DC, AC) or 492453 (9W DC, AC) encapsulated in synthetic material. Connection for 2 P + E DIN 43650 A plug. Degree of protection IP 65.

3. Metallic coil housing 4270 with standard coil 481000 (8W), high temperature 485100 (8W) coils, encapsulated in synthetic material with screw terminals. Ground terminal on housing subplate. Degree of protection IP 10 or IP 44 when equipped with M20x1.5 cable gland.

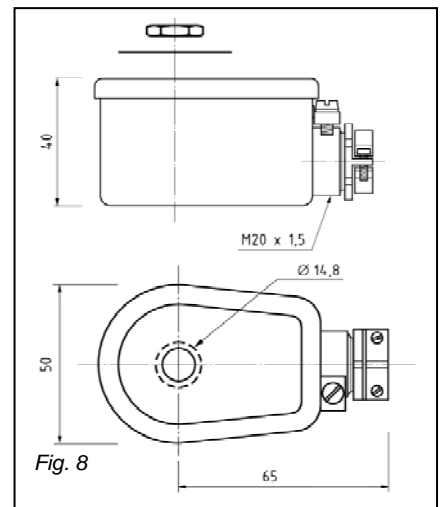
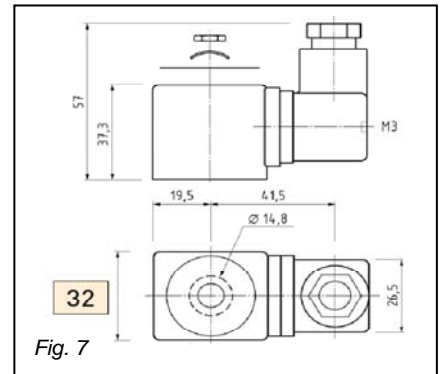
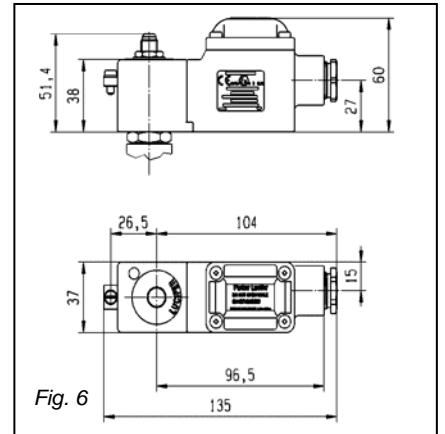
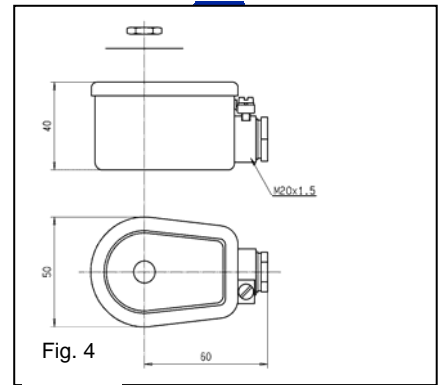
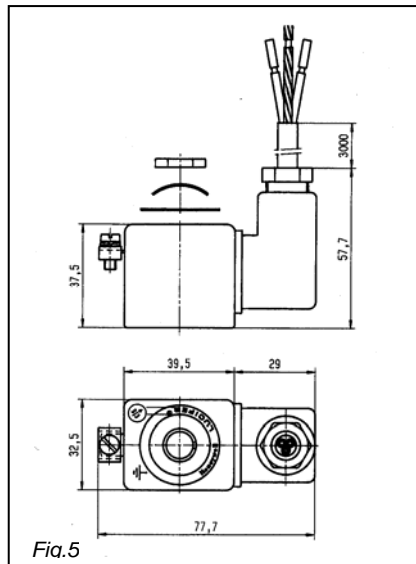
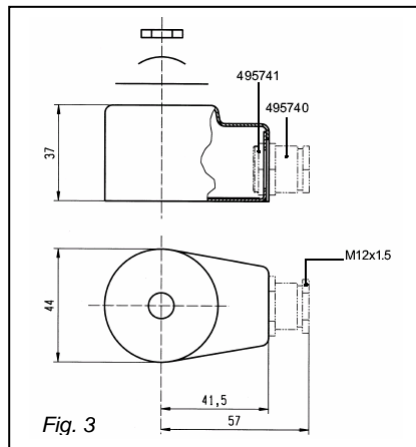
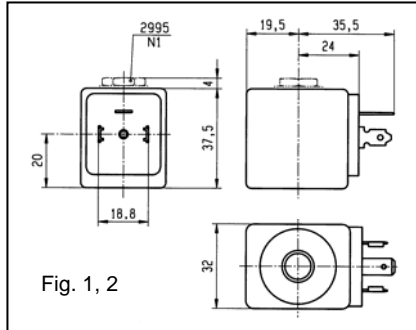
4. Waterproof coil housing 4538 with standard coil 481000 (8W) encapsulated in synthetic material. Housing internally and externally fitted with an earth screw connection. Cable connection with outer diameter 4-11 mm through rubber cable gland M20x1.5. Degree of protection IP 67.

5. Explosion-proof EEx m II T4 (IP 65) coil/housing assembly 492670. Coil and magnetic circuit encapsulated in synthetic material. The complete housing is supplied with an encapsulated connection cable (3 x 0.75 mm² section), cable length is 3000 mm with cable gland Pg 11. Power consumption: 8W AC, 9W DC

6. Explosion-proof II 2 G-EEx dm IIC T4 495905 coil/housing assembly encapsulated in synthetic material (class H) Degree of protection IP 67. Cable connection through cable gland M20x1.5 (DIN 46320). Power consumption AC 8 W, DC 8 W.

7. Explosion-proof II 3 G-EEx nAC IIC T3/T4 495870 DC 9W and AC 8W, or Low Power 495875 DC 7W and AC 6W or double-frequency 496110 AC 9W or High Power 495880 DC and AC 14W coil/housing assembly encapsulated in synthetic material (class F, H for High Power). Degree of protection IP 65 with DIN plug.

8. Explosion-proof II 3 G-EEx nAC IIC T3 496155 DC & AC 14W High Power . Housing internally and externally fitted with an earth screw connection. Cable connection through rubber cable gland M20x1.5. Degree of protection IP 67.



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| Voltage code | | A1 | A2 | A4 | A5 | E5 | 0A | A7 | 3D | F4 | A9 | B2 | K8 | 6J | B7 | J3 | B8 | S2 | 4K | P0 | S4 | P2 | S5 | 0P | R5 | P9 | S6 | S2 | Q3 | Q1 | 5P | C1 | C2 | C4 | C5 | C7 | | | |
|--------------------------|------|-------|-------|-------|--------|--------|---------------|--------|---------------|--------|--------|-------|--------|---------------|--------|--------|--------|---------------|---------------|-------------|-------------|-----------|-------------|----------------|-----------|-----------|-------------|---------------|---------------|-----------|---------------|-------|-------|-------|--------|--------|---|---|---|
| Coils / Electrical parts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ref. No. | Code | 12/50 | 24/50 | 48/50 | 110/50 | 115/50 | 110/50-115/50 | 220/50 | 220/50-230/50 | 230/50 | 380/50 | 24/60 | 115/60 | 110/60-115/60 | 220/60 | 230/60 | 240/60 | 200/60-230/60 | 220/60-240/60 | 24/50-24/60 | 48/50-48/60 | 110/50-60 | 110-115/50, | 100/50, 115/60 | 220/50-60 | 230/50-60 | 220-240/50- | 220/50-230/60 | 220/50-240/60 | 240/50-60 | 380/50-440/60 | 12/DC | 24/DC | 48/DC | 110/DC | 220/DC | | | |
| Coils | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 481000 | EZ0 | | ● | ● | | | ● | | ● | | | ● | | ● | | | | | | ● | | | | | | | | | | | | ● | ● | ● | ● | ● | ● | | |
| 481865 | DZ0 | | ● | ● | ● | | | | ● | | ● | ● | ● | | | ● | | | | | | | | | | | | | | | | | ● | ● | ● | ● | ● | ● | |
| 482740 | DZ1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ● | | | | |
| 483510 | DZ0 | | | | | | | | | | | | | | | | | | | | ● | ● | | ● | | | | ● | | | | | | | | | | | |
| 485100 | EZ0 | | ● | | | | ● | | ● | | | | | | | | | | | | ● | | | | | | | | | | | | | | | ● | ● | | |
| 486265 | EZ9 | | ● | | ● | | | ● | | ● | ● | | | | ● | | | | | | | | | | ● | | | | ● | | | | | | ● | ● | ● | | |
| 492425 | DZ0 | | ● | ● | ● | | | | ● | | ● | | | | | | | | | | | | | | | | | | | | | | | | ● | ● | | | |
| 492453 | DZ0 | | ● | ● | ● | | | | ● | | ● | | | | | | | | | | | | | | | | | | | | | | | | ● | ● | | | |
| Electrical parts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 483371 | HZ0 | ● | ● | ● | ● | | | ● | | ● | | | | | | | | | | ● | | | | | | | | | | | | | | ● | ● | ● | ● | ● | |
| 492070 | VZ0 | | | | | | | | | | | | | | | | | | | | ● | ● | | | ● | ● | | | | | ● | | | ● | ● | ● | ● | ● | |
| 492190 | VZ0 | | | | | | | | | | | | | | | | | | | | ● | ● | | | ● | ● | | | | | ● | | | ● | ● | ● | ● | ● | |
| 492670 | HZ0 | | ● | ● | ● | | | | ● | | | | | | | | | ● | | | | | | | | | | | | | | | | | | ● | ● | ● | ● |
| 493640 | HZ0 | | | | | | | | ● | | | | | | | | | | | | | | | | | | | | | | ● | | | | | ● | ● | ● | ● |
| 495870 | - | | ● | ● | ● | | | | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | ● | ● | ● | ● |
| 495875 | - | | | | | | | | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | ● | ● | ● | ● |
| 495880 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ● | ● | ● | ● |
| 495905 | HZ9 | | ● | ● | ● | | | | ● | | | | ● | | | | | | | | | | | | | | | | | | | | | | | ● | ● | ● | ● |
| 496110 | - | | | | | | | | | | | | | | | | | | | ● | ● | | | ● | | | | | | | | | | | | ● | ● | ● | ● |
| 496155 | - | | ● | | ● | | | | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | ● | ● | | |

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