

DESCRIPTION

TWO WAY NORMALLY CLOSED LIFT ASSISTED PISTON SOLENOID VALVE



DIMENSIONS mm



Two way normally closed lift assisted piston solenoid valve with spring return.

Suitable for gaseous and liquid media compatible with the (body/seals) material used. Vacuum.

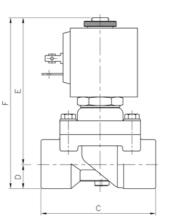
Suitable for zero differential pressure applications.

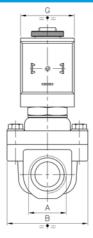
Forged brass,nickel-plated brass or stainless steel body (1/2" & 3/4" only).

Stainless steel guide tube, springs and internal parts.

Solenoid can be rotated 360°.

Valve will operate in any position, preferably with vertical coil upwards.





| Port size | Dim | Dimensions in millimeters (mm) | | | | | | | | |
|-----------|------|--------------------------------|----|----|-----|----|----|--|--|--|
| ۵ | В | С | D | E | F | (| G | | | |
| | | 0 | U | - | r | C3 | C4 | | | |
| 3/8" | 45 | 64 | 14 | 82 | 96 | 30 | 36 | | | |
| 1/2" | 45 | 64 | 14 | 82 | 96 | 30 | 36 | | | |
| 3/4" | 54 | 82 | 17 | 88 | 105 | 30 | 36 | | | |
| 1" | 72.5 | 100 | 20 | 95 | 115 | | 36 | | | |

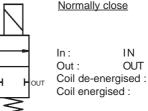
ELETTRICAL INFORMATIONS

Continuous duty glass-reinforced nylon mouldedcoil with electrical connection suitable for DIN-43650 plug (2 poles+ground) or faston wire terminal . Two cables available on request.

| Coil type: Insulation class: Winding wire class: | | C3 / C4 F (155°C), H (180°C) on request. H (180°C) | | | | | | |
|--|----|--|----------|-----------------------|--|--|--|--|
| Protection class: | | Waterproof IP-65 (no | | N60529) when properly | | | | |
| | | plug connetted when DIN-43650 plug. | | | | | | |
| Duty: | | Continuous (S.I.) 10 | 0% ED | | | | | |
| Power consumption: | C3 | Alternate Current | 13VA | (inrush 20VA) | | | | |
| | | Direct Current | 8W | | | | | |
| | C4 | Alternate Current | 22VA | (inrush 40VA) | | | | |
| | | Direct Current | 27W | · · · | | | | |
| Voltage tollerance: | | a.c. +10% ÷ -15%, 0 | d.c. +1(| 0% ÷ -5% | | | | |
| Elettrical Insulation: | | >500 MOhm | | | | | | |
| Dielectrical Strenght: | | >2000 V/1' | | | | | | |
| Standard voltage: | | d.c. 12, 24 Volt | | | | | | |
| | | a.c. 24, 110, 230 Vo | lt (50/6 | 0 Hz) | | | | |

other voltages available on request.

OPERATION



IN

OUT

IN and OUT close. IN to OUT

SPECIFICATIONS AND AVAILABLE OPTIONS

| MODEL ORIFICE | | | | ORIFICE | PRESSURE IN BAR | | | | | Flow | | | | | |
|---------------|---|----|-----|---------|-----------------|------|---------------------------------|--|-----|------|-----|-----|-----------|-----------------|-------|
| | | | | | | mm | MIN./MAX. DIFFERENTIAL PRESSURE | | | | | | factor | K | - |
| | _ | | | | | | NOMINAL MAX. | MIN. MAX with coil C3 MAX with coil C4 | | | | kv | with coil | y. with coil | |
| а | b | | c d | | e f | | | | AC~ | DC= | AC~ | DC= | (l/min.) | C3 | C4 |
| | L | 04 | D/N | 13 | | 12,7 | 16 | 0 | 10 | - | 14 | 12 | 35 | 0,592 | 0,674 |
| | L | 04 | E/O | 13 | | 12,7 | 16 | 0 | 10 | - | 14 | 12 | 40 | 0,562 | 0,644 |
| | L | 04 | F/Q | 19 | | 19 | 16 | 0 | 8 | - | 10 | 8 | 90 | 0,858 | 0,94 |
| | L | 04 | G/R | 25 | | 25 | 16 | 0 | - | - | 7 | 4 | 176 | 1,40 | 1,482 |

| a Construction | b Valve type | C Port size | d Seals material | e Body material | f Optional feature |
|----------------|--------------|--|---|---|----------------------|
| A AC C DC | L 2 way N.C. | D 3/8" GAS N 3/8" NPT E 1/2" GAS O 1/2" NPT F 3/4" GAS Q 3/4" NPT G 1" GAS R 1" NPT NPT port available only on request | B NBR V VITON E EPDM W EPM WT PX* T PTFE * KTW certified for food | Brass Nickel-plated brass Stainless steel * <u>* available only for 1/2"</u> and 3/4" valves. | SG Clean for oxigene |

Rev.ENG-00/2012 - Le caratteristiche possono subire variazioni senza preavviso. / Characteristics may change without notice.

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Two-way solenoid valve normaly closed with lift-assisted diaphragm

No energized port *P* closed by spring return (NC). This valve does not rely on a pressure-differential for its operation.



Technische Daten / technical data

| Anschluss: Einbaulage: | G 3/8"- G 1", DIN ISO 228 beliebig, bevorzugt Magnet stehend |
|---------------------------|--|
| Durchflussmedium: | neutrale, gasförmige und flüssige Medien |
| Viskosität: | 22 mm² / S |
| Ventilgehäuse: | Pressmessing MS 58 |
| Metall, Innenteile: | Edelstahl, AISI 430+303 |
| | Führungsrohr Edelstahl |
| Anschlussspannungen: | AC 24, 110, 230V 50Hz |
| | DC 12, 24V |
| Leistungsaufnahme: | C3 20/13 VA 8 Watt |
| | C4 40/22 VA 23 Watt |
| Einschaltdauer: | 100 % - VDE 0580 |
| Umgebungstemperatur: | +40°C |
| Schutzart: | IP 65 nach DIN 40050 |
| Kabelanschluss: | Gerätestecker DIN 43650 |

connection: installation:

flow medium:

viscosity: valve housing: metallic inner part:

supply voltages:

power consumption:

operating factor: ambient temperature: enclosure: electric connection: G 3/8"- G 1", DIN ISO 228 any position, upwards recomended neutral, gaseous and liquid media 22 mm² / S brass stainless steel guide pipe stainless steel AC 24, 110, 230V 50Hz DC 12, 24V C3 20/13 VA 8 Watt C4 40/22 VA 23 Watt 100 % - VDE 0580 +40°C IP 65 according DIN 40050 connestion socket

| Baur | aiha | | DN | кv | DRUCK/press./bar | | | | |
|-------------------------|-----------------|------|------|-----------|------------------|--------------|-------|--|--|
| Baureihe <i>Type</i> | | G | seat | flow rate | min. | max. C3 (C4) | | | |
| | | | mm | m³ / h | | AC | DC | | |
| | D B 13 T | 3/8" | 12,7 | 2,1 | 0 | 7 (10) | (6) | | |
| AL24 | E B 13 T | 1/2" | 12,7 | 2,4 | 0 | 7 (10) | (6) | | |
| AL24 | F B 19 T | 3/4" | 19 | 5,4 | 0 | 5 (7) | (3) | | |
| | G B 25 T | 1" | 25 | 10,6 | 0 | (7) | (2,5) | | |

ACHTUNG: Dichtungskennziffer Attention: seal-digit

| Dichtungs- kennziffer seal-digit | Dichtung seal | max. Temp. °C |
|--|------------------|------------------|
| В | NBR | 90 |
| E | EPDM | 140 |
| v | VITON | 130 |
| W | EPDM gemä | ß KTW-Empfehlung |

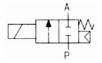
Bei 0 bar Druck ist der KV-Wert reduziert.

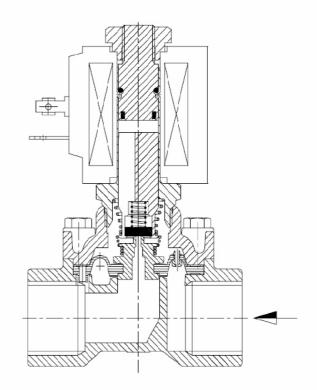




Optionen / options

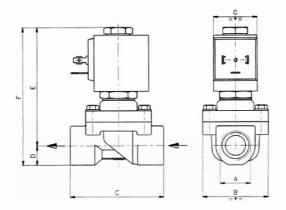
- NC = In Ruhestellung geschlossen normally closed
- P = Eingang inlet





Maße / dimensions

| A | в | С | D | Е | F | 0 | 3 |
|------|------|-----|----|----|-----|----|----|
| A | D | | | | | C3 | C4 |
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