

# Baureihe 2/529 - Type 2/529

## 2/2-Wege Magnetventile

### 2/2-Way solenoid valve

#### Standardtype

Ventil in Ruhestellung geschlossen - (NC). Bei erregtem Magnet baut sich die Druckdifferenz von der Sekundärseite des Kolben über die Servobohrung ab. Die wirksame Druckdifferenz hebt den Kolben vom Ventilsitz ab. Der angegebene Mindestdruck muss als Druckdifferenz für eine einwandfreie Funktion der Servosteuerung immer vorhanden sein.

#### Standard type

Valve normally closed - (NC). When energised, the pressure decomposes from the secondary side of the piston via the pilot hole. The pressure differential lifts the piston from the seat (orifice). The stated minimum pressure is always necessary as pressure differential for accurate operation.



|  |   |  |  |
|--|---|--|--|
| Steuerungsart:<br>Type of control:           | Servogesteuert<br>Pilot operated  | Metall. Innenteile:<br>Metallic internals: | Edelstahl 1.4104<br>Stainless steel 1.4104 (AISI 430F)   |
| Konstruktion:<br>Construction:               | Kolbenventil<br>Piston design   | Dichtung:<br>Seal:                         | Tecapeek<br>Tecapeek   |
| Anschluß:<br>Connection:                     | G1/8-G2 DIN ISO 228<br>G1/8-G2 DIN ISO 228  | Einbaulage:<br>Installation:               | beliebig, Magnet vorzugsweise stehend<br>actuator, in any position, upw. is recomm.  |
| Druck:<br>Pressure:                          | 1-450 bar (s. Tabelle)<br>1-450 bar (see table)   | Anschlußspannung:<br>Supply voltage:       | AC: 24,42,110,230V 50Hz bzw. 60Hz<br>DC: 24,110,205V=  |
| Durchflußmedium:<br>Medium:                  | neutrale, gasförmige u. flüssige Medien<br>neutral, gaseous and liquid medium   | Spannungstoleranz:<br>Voltage tolerance:   | +5% / -10%<br>+5% / -10%   |
| Viskosität:<br>Viscosity:                    | 22mm <sup>2</sup> /S<br>22mm <sup>2</sup> /S (centistokes)  | Leistungsaufnahme:<br>Power-consumption:   | .702/3702 = 25 Watt<br>.322/3332 = 30 Watt<br>.242/5242 = 46 Watt<br>.328/5328 = 23 Watt<br>.248/5248 = 30 Watt<br>.218/5218 = 7 Watt<br>.272/5272 = 100 Watt<br>.278/5278 = 47 Watt |
| Mediumtemperatur:<br>Medium temperature:     | -60°C bis +90°C<br>-60°C up to +90°C  | Schutzart:<br>Protection class:            | IP65 nach DIN 40050<br>IP65 acc. to DIN 40050  |
| Umgebungstemperatur:<br>Ambient temperature: | +35°C<br>+35°C  | Einschaltdauer:<br>Duty factor:            | 100% ED-VDE 0580<br>100% ED-VDE 0580   |
| Ventilgehäuse:<br>Body material:             | ../06../.. = Edelst. 1.4305/St. steel (AISI 303)<br>../08../.. = Edelst. 1.4571/St. steel (AISI 316Ti)<br>../09../.. = Edelst. 1.4104/St. Steel (AISI 430F) | Kabelanschluß:<br>Cable connection:        | Gerätestecker DIN 43650 / Klemmkasten<br>DIN 43650 - plug / terminal box   |

| G   | Sitz<br>Orifice<br>mm | Kv-Wert<br>Flow-rate<br>m <sup>3</sup> /h | Standardtype<br>Standard type | max. Druck bei Magnettype<br>max. pressure regarding solenoid type |       |                           |                          |        |                           |       |                           |
|-----|-----------------------|---|-------------------------------|--|-------|---------------------------|--------------------------|--------|---------------------------|-------|---------------------------|
|     |                       |   |                               | .702   | .322  | ExII2GEEExemIICT4<br>.328 | ExII2GEEExdIICT4<br>.218 | .242   | ExII2GEEExemIICT4<br>.248 | .272  | ExII2GEEExemIICT4<br>.278 |
| 1/8 | 6                     | 0,75                                      | 2/529-37-..15-....            | 1-150  | 1-350 | 1-300                     | 1-250                    | -      | 1-350                     | -     | -                         |
| 1/4 | 6                     | 0,75                                      | 2/529-47-..15-....            | 1-150  | 1-350 | 1-300                     | 1-250                    | -      | 1-350                     | -     | -                         |
| 3/8 | 6                     | 0,75                                      | 2/529-57-..15-....            | 1-150  | 1-350 | 1-300                     | 1-250                    | -      | 1-350                     | -     | -                         |
| 1/2 | 6                     | 0,75                                      | 2/529-67-..15-....            | 1-150  | 1-350 | 1-300                     | 1-250                    | -      | 1-350                     | -     | -                         |
| 1/4 | 12                    | 1,8                                       | 2/529-21-..15-....            | 1-140  | 1-250 | 1-250                     | 1-250                    | 1-350  | 1-350                     | -     | -                         |
| 3/8 | 12                    | 3,3                                       | 2/529-22-..15-....            | 1-140  | 1-250 | 1-250                     | 1-250                    | 1-350  | 1-350                     | -     | -                         |
| 1/2 | 12                    | 3,8                                       | 2/529-23-..15-....            | 1-140  | 1-250 | 1-250                     | 1-250                    | 1-350  | 1-350                     | -     | -                         |
| 3/4 | 25                    | 11,5                                      | 2/529-24-..15-....            | -  | 1-220 | 1-220                     | -                        | 1-300  | 1-300                     | -     | -                         |
| 1   | 25                    | 13,0                                      | 2/529-25-..15-....            | -  | 1-220 | 1-220                     | -                        | 1-350  | 1-300                     | -     | -                         |
| 5/4 | 40                    | 22,0                                      | 2/529-26-..15-....            | -  | -     | -                         | -                        | 1-200* | 1-100                     | 1-200 | 1-150                     |
| 6/4 | 40                    | 24,0                                      | 2/529-27-..15-....            | -  | -     | -                         | -                        | 1-200* | 1-100                     | 1-200 | 1-150                     |
| 2   | 50                    | 32,0                                      | 2/529-28-..15-....            | -  | -     | -                         | -                        | 1-200* | 1-100                     | 1-200 | 1-150                     |

\* = mit PTFE/with PTFE max. 150 bar

