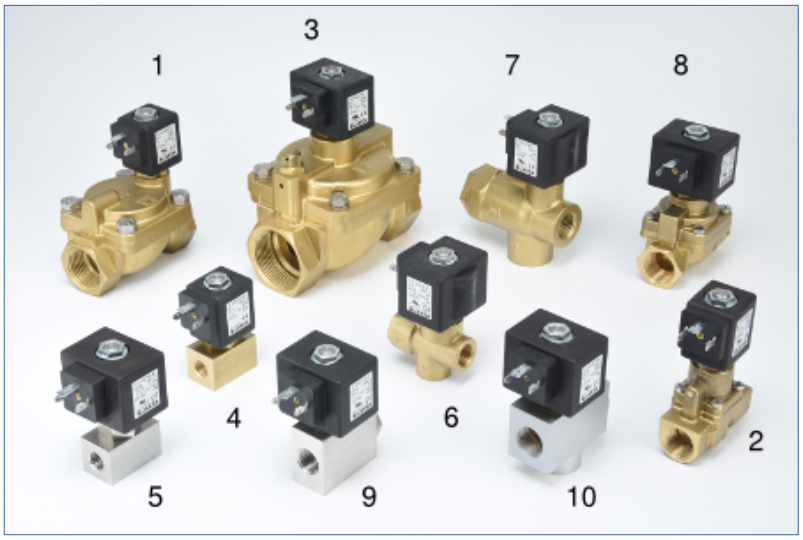
JAKŠA SOLENOID VALVES

# 2/2 PILOT OPERATED PISTON VALVES 1/2" – 2"

## PRESSURE DIFFERENCE REQUIRED FOR VALVE OPERATION

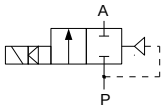



## TECHNICAL DATA:

- **Body:** brass, stainless steel
- **Internal parts:** stainless steel
- **Seals:** PA, PTFE, PEEK
- **Fluid temperature:** -10°C to +90°C (contact us for other ranges)
- **Ambient temperature:** max +55°C
- **Viscosity:** max 21 mm²/s
- **Response time:** 0.1 – 1 s
- **Voltage:** 230, 115, 48, 24 V AC; 24, 12 V DC
- **Duty cycle:** continuous (ED100%)
- **Cycling rate:** 10 - 100 cpm
- **Electrical protection:** IP65 (with plug to ISO 4400)

Long term use in humid environment requires the use of sealing sets.

Materials such as PTFE and PEEK may exhibit slight leakage when used with gaseous media, particularly at low pressure. For applications requiring exceptional tightness, please discuss with us.




## Closed when de-energised (NC)

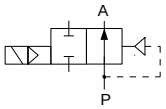
| Ports | Orifice Size [mm] | Kv (water at 1 bar) [l/min] | Differential pressure [bar] | | Material | | Mass [kg] | Coil type | Model | Order code (click for details) | Fig. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | min | max | body | seal | | | | | |
| G1/4 | 6 | 11 | 0.5 | 35 | Brass | PEEK | 0.5 | TM35 | BS1 | 316054 | 5 |
| | | | | 100 | Brass | PEEK | 0.5 | TM35 | XBS1 | 316075 | |
| | 5 | 8.6 | 10 | 200 | Brass | PEEK | 0.67 | TM35 | BS2 | 316078 | 9 |
| G3/8 | 8 | 30 | 0.8 | 100 | Brass | PEEK | 0.65 | TM35 | BS3 | 316148 | 6 |
| | | | | 200 | Brass | PEEK | 0.65 | TM35 | XBS3 | 316159 | |
| G1/2 | 10 | 42 | 0.3 | 50 | Brass | PTFE | 0.43 | TM30 | B27 | 316600 | 2 |
| | | | 1 | 80 | Brass | PTFE | 0.5 | TM35 | B27S | 316599 | |
| | | 33.5 | 1 | 250 | Brass | PTFE | 0.5 | TM35 | XB27 | 316096 | 10 |
| | 12 | 60 | 1.7 | 120 | Brass | PA | 1.4 | TM35 | BS4 | 316240 | 7 |
| G3/4 | 18 | 90 | 1 | 60 | Brass | PTFE | 0.98 | TM35 | B27 | 316752 | 8 |
| | | 110 | 1.7 | 80 | Brass | PA | 1.4 | TM35 | BS5 | 316230 | 7 |
| G1 | 25 | 180 | 1 | 18 | Brass | PTFE | 1.25 | TM30 | B26 | 316401 | 1 |
| | | | 2 | 60 | Brass | PTFE | 1.51 | TM35 | B27 | 316261 | 3 |
| | | | | 100 | Brass | PTFE | 1.51 | TM35 | XB27 | 316274 | |
| G6/4 | 40 | 350 | 1 | 18 | Brass | PTFE | 2.2 | TM30 | B26 | 316451 | 1 |
| | | | 2 | 60 | Brass | PTFE | 3.1 | TM35 | B27 | 316271 | 3 |
| G2 | 50 | 630 | 1 | 20 | Brass | PTFE | 5.3 | TM35 | B26 | 316481 | |
| | | | 2 | 35 | Brass | PTFE | 6.5 | TM35 | B27 | 316291 | |



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## Versions with INOX body (1.4404 / AISI 316L)

| Ports | Orifice Size [mm] | Kv (water at 1 bar) [l/min] | Differential pressure [bar] | | Material | | Mass [kg] | Coil type | Model | Order code (click for details) | Fig. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | min | max | body | seal | | | | | |
| G3/8 | 8 | 30 | 1 | 250 | INOX | PEEK | 0.65 | TM35 | XBS3N | 316119 | 9 |
| G1/2 | 10 | 33.5 | 2 | 400 | INOX | PEEK | 0.6 | TM35 | B27N | 316634 | 10 |




## Open when de-energised (NO)

| Ports | Orifice Size [mm] | Kv (water at 1 bar) [l/min] | Differential pressure [bar] | | Material | | Mass [kg] | Coil type | Model | Order code (click for details) | Fig. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | min | max | body | seal | | | | | |
| G1/4 | 5 | 8.6 | 10 | 200 | Brass | PEEK | 0.67 | TM35 | BS2NO | 316071 | 9 |
| G3/8 | 8 | 30 | 0.8 | 80 | Brass | PTFE | 0.43 | TM35 | BS3NO | 316123 | 6 |
| G1/2 | 10 | 42 | 1 | 50 | Brass | PTFE | 0.70 | TM35 | B27NO | 316620 | 2 |
| | 12 | 60 | 1.7 | 120 | Brass | PA | 1.4 | TM35 | BS4NO | 316241 | 7 |
| G3/4 | 18 | 110 | 1.7 | 80 | Brass | PA | 1.4 | TM35 | BS5NO | 316221 | |
| G1 | 25 | 180 | 1 | 18 | Brass | PTFE | 1.25 | TM30 | B26NO | 316411 | 1 |
| | | | 2 | 60 | Brass | PTFE | 1.51 | TM35 | B27NO | 316263 | 3 |
| G6/4 | 40 | 350 | 1 | 18 | Brass | PTFE | 2.2 | TM30 | B26NO | 316421 | 1 |
| | | | 2 | 50 | Brass | PTFE | 3.1 | TM35 | B27NO | 316281 | 3 |
| G2 | 50 | 630 | 1 | 18 | Brass | PTFE | 5.3 | TM30 | B26NO | 316431 | |
| | | | 2 | 35 | Brass | PTFE | 6.5 | TM35 | B27NO | 316300 | |

## Versions with INOX body

| Ports | Orifice Size [mm] | Kv (water at 1 bar) [l/min] | Differential pressure [bar] | | Material | | Mass [kg] | Coil type | Model | Order code (click for details) | Fig. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | min | max | body | seal | | | | | |
| G3/8 | 6 | 11 | 0.5 | 70 | INOX | FPM/PEEK | 0.5 | TM35 | BS1NNO | 316061 | 5 |
| | 8 | 30 | 0,8 | 150 | INOX | PEEK | 0.65 | TM35 | BS3NNO | 316157 | 9 |

**OPTIONS:**
- EEx me II explosionproof coils
- NPT ports
- Other versions on request