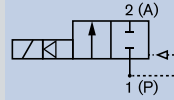


# 2/2-way Servo-Assisted Solenoid Valve with Isolated Pilot

5282

## NPT 1/2" - NPT 2"

- Unique isolated technology for slightly contaminated fluids
- Independently adjustable open / close rate
- Easily configurable for normally open
- Manual override



Completely unique servo-assisted solenoid valve with isolated pivoted armature pilot. This valve design is much less sensitive to fluid contamination than plunger operated valves and therefore offers many advantages in the process environment. The pilot section can be rotated in the field to make the valve normally open.

### Technical Data

<b>Pressure range</b>	2.9 - 145 PSI (0.2-10 bar)
<b>Temperature media</b>	32 °F to 194 °F (0 °C to +90 °C)
<b>Ambient temperature</b>	131 °F (+55 °C), max.
<b>Body material</b>	Brass or Stainless steel
<b>Seal material</b>	NBR with brass, FKM with Stainless
<b>Coil material</b>	Epoxy (Class H)
<b>Power consumption</b>	DC: 8 W, AC: 21 VA (inrush), 12 VA (hold)
<b>Protection class</b>	IP65 (with cable plug)
<b>Electrical connection</b>	Cable plug acc. to DIN EN 175301-803 Form A (included)
<b>Accreditations</b>	UL Listed

To open the full cross-section a pressure difference of 7.2 PSI (0.5 bar) is required. The switching times can be changed by turning the flow control screw (on the cover).

Response times <sup>1)</sup>	
Opening [s]	Closing [s]
0.1-0.8	1.0-4.0

<sup>1)</sup> Measured at valve outlet at 87 PSI (6 bar) and 68 °F (+20 °C)  
Opening: pressure rise 0 to 90%, Closing: pressure drop 100 to 10%

### Envelope Dimensions [inch] (see datasheet for details)

Size	A	B	C
1/2"	2.56	1.57	4.84
3/4"	3.94	2.36	5.16
1"	4.53	2.76	5.55
1 1/4"	4.96	3.35	5.79
1 1/2"	4.96	3.35	6.14
2"	6.46	4.53	6.97
2 1/2"	7.09	4.53	7.28

### Ordering Chart

Port connection [inch]	Orifice [mm]	Cv	Pressure range [PSI]	Item no. Voltage/Frequency [V/Hz]	
				24 V DC	120 V/50-60 Hz
<b>Brass</b>					
NPT 1/2	13	4.66	2.9-145	329 291	329 285
NPT 3/4	20	5.83	2.9-145	329 299	329 293
NPT 1	25	11.65	2.9-145	329 288	329 286
NPT 1 1/4	32	23.30	2.9-145	341 697	329 333
NPT 1 1/2	40	23.30	2.9-145	329 303	329 311
NPT 2	50	46.60	2.9-145	329 298	329 284
<b>Stainless steel</b>					
NPT 1/2	13	4.66	2.8-145	329 304	329 282
NPT 3/4	20	5.83	2.8-145	329 294	329 314
NPT 1	25	11.65	2.8-145	329 310	329 290
NPT 1 1/4	32	23.30	2.8-145	329 337	329 328
NPT 1 1/2	40	23.30	2.8-145	329 305	329 292
NPT 2	50	46.60	2.8-145	329 323	329 324

### Options

- Normally open
- Electrical position feedback
- Impulse coil
- Cables plug with LED
- Cable plug with varistor
- FM Class 1, Div 1&2, CSA
- Ex-version available
- Atex version available
- Range of diaphragm seals to suit aggressive media
- 24V/60 Hz, 240V/60 Hz