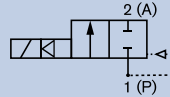


2/2-way hard-coupled Solenoid Valve

0290

NPT 1/2" - NPT 2"

- Switches without differential pressure
- Operates on vacuum
- Process proven rugged and reliable design



One of the ever reliable workhorses of the Burkert solenoid range this hard-coupled solenoid valve with plunger piloted rugged diaphragm seal is perfect for vacuum, neutral gases and liquids. The high-performance design is available in brass and stainless steel with a range of diaphragm and seal materials.

Technical Data

Medium temperature ¹⁾	NBR	14 °F to 176 °F (-10 °C to +80 °C)
	FKM	32 °F to 248 °F (0 °C to +120 °C)
	EPDM	-22 °F to 248 °F (-30 °C to +120 °C)
Ambient temperature	131 °F (+55 °C), max.	
Voltage tolerance	±10%	
Duty cycle	100% continuous rating	
Body material	Brass, stainless steel 1.4581	
Seal material	FKM (NBR or EPDM on request)	
Coil material	Epoxy (Class H)	
Protection class	IP65 (with cable plug)	
Electrical connection	Cable plug acc. to DIN EN 175301-803, Form A (included)	
Accreditations	UL Listed	

¹⁾ Max. medium temperature for versions with high power electronics (with coding... /UC) withstands 194 °F (90 °C)

Orifice [mm]	Power consumption		Response times ²⁾	
	UC [W]	UC [W]	Opening [ms]	Closing [ms]
12	120	8.5	100	700
20	145	10	to	
25	145	10	250	2000

²⁾ Measured at valve outlet at 87 PSI (6 bar) and 68 °F (+20 °C), pressure rise 0 to 90%, pressure drop 100 to 10%

Ordering Chart

Port connection [inch]	Orifice [mm]	Cv	Pressure range [PSI]	Power consumption		Item no. Voltage/Frequency [V/Hz]	
				Inrush [W]	Hold [W]	24 V AC/DC	120 V AC/DC
Brass							
NPT 1/2	12	2.1	0-232	100	25	298 109	298 110
NPT 3/4	20	5.8	0-232	120	32	298 115	298 116
NPT 1	25	11.7	0-232	120	32	298 119	298 120
Stainless steel							
NPT 1/2	12	2.1	0-232	100	25	298 112	298 113
NPT 3/4	20	5.8	0-232	120	32	298 117	298 118
NPT 1	25	11.7	0-232	120	32	298 122	298 123

= Quick Delivery Items

Envelope Dimensions [inch] (see datasheet for details)

2509 cable plug
Form A included

Size	A	B	C
NPT 1/2"	2.93	2.75	3.75
NPT 3/4"	3.93	2.75	4.80
NPT 1"	4.52	2.75	5.15
NPT 1 1/4"	4.96	2.75	5.70
NPT 1 1/2"	4.96	2.75	6.06
NPT 2"	6.45	2.75	8.30

Options

- Cable plug with LED and varistor
- Oxygen version
- UR/cURus approval
- Flange connection acc. to DIN 2501 (DN25-50 mm)
- 24V/60 Hz, 240V/60 Hz