

Plunger Operated 2/2-way Solenoid Valve

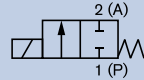
6011

NPT 1/8" or manifold mounting

- Brass or stainless steel
- FKM seal as standard
- Slip over coil can be rotated in 4 x 90 degrees



Shown without plug



Direct-acting miniature solenoid valve which is plunger operated for neutral gases, liquids and technical vacuum. Available in standalone or manifold mount versions, there is also an "analysis" version which is manufactured under cleanroom conditions.

Technical Data

Body material	Type 6011 Type 6011 A	Brass, polyamide (PA), SS 1.4305 Brass, SS 1.4305
Sealing material		FKM
Temperature media		14 °F to 212 °F (-10 °C to +100 °C)
Ambient temperature		131 °F (+55 °C), max.
Body material		Brass or stainless steel 1.4305
Seal material		FKM
Coil material		Epoxy (Class H)
Viscosity		max. 21 mm ² /s
Port connection	Type 6011	NPT 1/8
Voltage tolerance		±10%
Duty cycle	Single valve	100% continuous rating
Power consumption		DC: 6.5 W, AC: 4.5 W
Protection class		IP65 (with cable plug)
Electrical connection		Cable plug Type 2507 Form B Industry standard (included)
Accreditations		UL Recognized

Envelope Dimensions [inch] (see datasheet for details)

2507 cable plug
Form B included

Size	A	B	C
1/8"	.98	.78	1.98

Orifice [mm]	Response times ¹⁾	
	Opening [ms]	Closing [ms]
1.2	8-12	14-16
1.6		
2.0	8-12	14-16
2.4		

¹⁾ 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%

Ordering Chart

Port connection [inch]	Orifice [mm]	Cv	Pressure range [PSI]		Item no. Voltage/Frequency [V/Hz]	
			[AC]	[DC]	24 V DC	120 V/60 Hz
Brass						
NPT 1/8	1.6	0.07	0-174	0-87	461 767	461 769
NPT 1/8	2.0	0.13	0-116	0-65	461 771	461 773
NPT 1/8	2.4	0.15	0-87	0-43	461 775	461 777
Stainless steel						
NPT 1/8	1.6	0.07	0-174	0-87	461 779	461 781
NPT 1/8	2.0	0.13	0-116	0-65	461 783	461 785
NPT 1/8	2.4	0.15	0-87	0-43	461 787	461 789