CLARK SOLUTIONS

Model 2026, 2-Way, Normally Closed Solenoid Valve

1/8 & 1/4" Pipe Size, Direct Acting Solenoid

DESCRIPTION

Model 2026 two-way normally closed solenoid valves have a compact, forged brass body. A variety of seat material including Acrylo-Nitrile, Neoprene®, Ethylpropylene and Viton® satisfy many general industry applications.

The valve coil and housing is weather, water and saline corrosion-proof according to IP65 and NEMA4x.

The unit has a power consumption of 6 watts and a response time less than 10 milliseconds.

SPECIFICATIONS

GENERAL

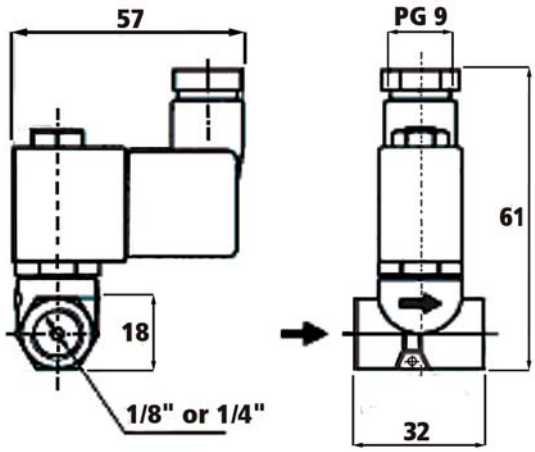
Operation: Normally closed
Valve Body Material: Brass
Valve Life: > 5,000,000 cycles, field rebuild kits available
Valve Seals & Seats: Acrylo-Nitrile, Neoprene®, Ethylpropylene, Viton®
Connections: 1/8" or 1/4" BSP or NPT
Operating Voltage:12 VDC; 24 VDC/VAC; 120 VAC, 60Hz
Standard Solenoid Housing: Encapsulated mini-coils with DIN 43650 connector (with PG9 wire strain relief)
Coil & Housing Rating: IP65, NEMA4x
Power Consumption: 6 Watts
Coil: Thermal Class F to 155°C
Electrical Connection: Screw Terminal
Response Time with Air at 6 Bar: <10 ms
Weight: Approx. 170 g

Seat Material	Acrylo Nitrile	Neoprene®	Ethyl-propylene	Viton®
Maximum temperature	+80°C	+80°C	+150°C	+150°C
Uses	Water, air, light oils, kerosene. Low and medium vacuum.	Oxygen, alcohol, argon, other non-corrosive light gases and liquids. Freon 12.	Water steam, hot water, acetone.	Benzene, naphtha, aromatics, etc.. Hot gases. High vacuum.

Connection (NPT or BSP)	Orifice Dia. (mm)	Cv Coef. (GPM)	Kv Coef. (m^3/h)	Max. Differential Pressure (bar)
1/8"	1.25	0.059	0.05	50
	1.75	0.105	0.09	20
	2.25	0.152	0.13	10
	3.00	0.293	0.25	4
1/4"	1.25	0.059	0.05	50
	1.75	0.105	0.09	20
	2.25	0.152	0.13	10
	3.00	0.293	0.25	4

NEMA4x Coil and Housing and DIN43650 Connector

DIMENSIONS (MM)



Flow Calculation, Liquids:

$$Q=Cv\sqrt{\frac{DP}{G}}$$

Q= Flow Rate, GPM (U.S.A.)
Cv= Valve Flow Coefficient
DP= Valve Pressure Drop, PSID
G= Specific Gravity of Liquid (= 1.0 for Water)

ORDERING INFORMATION

SELECT ITEM FROM EACH COLUMN IN CHART BELOW FROM LEFT TO RIGHT
EXAMPLE: 2026BN121T120AC

Model Number Information						
Model	**Body Material**	**Seat & Seal Material**	**Orifice**	**Connection**	**Connection Threads**	**Voltage**
2026	**B=Brass**	**A= Acrylo-Nitrile** V= Viton N= Neoprene E= Ethylpropylene	**12= 1.25 mm** **17= 1.75 mm** **30= 3.00 mm** 22= 2.25 mm	**1= 1/8"** 2= 1/4"	**T= NPT** - = BSP	**12DC= 12 VDC** **120AC= 120 VAC, 60 Hz** 24DC= 24 VDC 24AC= 24 VAC, 60 Hz
Bold Order Items Typically Ship From Stock						

Magnetically latched solenoids available on select models. Please call us for details.

INSTALLATION RECOMMENDATIONS

1) Place a strainer with a porosity $\leq$ 100µ upstream of valve (see Clark Solutions Model 1359 Y Strainer).
2) Mount the valve in any position (preferably on a horizontal pipeline with coil upright).