

Chemical Resistant Two-Way Solenoid Valves Direct Acting - Normally-Open 1/4" & 1/2" Sizes With Pressures to 70 PSI Ideal For Highly Corrosive Acids and High Purity Liquids

NEW
24-WATT COIL
Continuous Duty
Cool-To-Touch
USES 75% LESS ENERGY
Than Previous Version



SUPERIOR FEATURES:

- Million cycle bubble tight design.
- Pressure or drain service only.
- Patented Fail-Dry® vented design.
- Non-sticking PTFE shaft.
- All thermoplastic wetted parts.

APPLICATION:

Series EASY-NO solenoid valves are normally-open. They are specifically designed for applications which require that the valves remain in the open position to permit continued flow when intentionally de-energized or when it would be dangerous for valves to close or remain closed in the event of an emergency power failure. Normally-open valves also offer an energy and cost saving consideration if they are required to be open for a large percentage of the time. These valves can be used with corrosive or ultra-pure liquids, and handle pressure or drain applications. They are direct-acting and do not require line pressure to aid in closing and opening.

DESIGN AND OPERATION:

Series EASY-NO valves are spring-return, normally-open and direct-acting with simple push-pull plunger design. There is no minimum pressure required for operation. Multiple U-cups are mounted around a PTFE shaft for low friction sealing, non-sticking operation, and million cycle design. The multiple U-cup design also allows a stock valve to be used for vacuum or pressure. Poppet seat insures bubble-tight shutoff. The patented Fail-Dry® vented design helps to avoid emergency shutdowns by providing a visual warning of potential seal failure. A 24 Watt continuous duty coil is standard. When the coil is energized, the valve closes and will remain closed until the electrical power is removed. Coils are available in general purpose or explosion-proof, water-tight construction. AC voltages are 24, 120 and 240. DC Voltage is 24.

MATERIALS OF CONSTRUCTION:

Body material is PVC. Standard seals are, Viton® or EPDM. Fasteners are stainless steel. Consult factory for other materials.

Series EASY-NO – Two-Way Solenoid Valves – Normally-Open

BACK PRESSURE RATINGS:

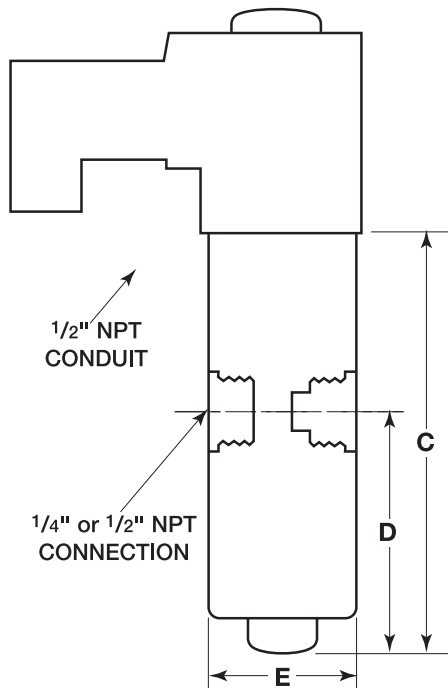
An important consideration in solenoid valve selection is the back pressure rating shown in the spec table, below. Back pressure is caused by the resistance to flow in the piping downstream of the valve. Nozzles, goosenecks, fittings, tubing or reduced outlet piping all create restrictions that raise the back pressure. Excessive back pressure will cause this model valve to remain open when power is applied.

INLET PRESSURE RATINGS:

The inlet pressure ratings in the table below are at full rated line voltage. If the line voltage is 10% lower, the inlet pressure rating will be about 30% lower.

SPECIFICATIONS											
Pipe Size	Orifice Size		Cv	Max. Inlet Pressure @ 75°F/24°C		Max. Back Pressure		Max. Inlet @ 120°F/49°C		Max. Inlet @ Max Temp 140°F/60°C	
	in.	mm		PSI	Bars	PSI	Bars	PSI	Bars	PSI	Bars
1/4	.280	7,1	1.1	70	4,8	18	1,2	60	41	40	2,7
1/2	.280	7,1	1.1	70	4,8	18	1,2	60	41	40	2,7

- NOTES: 1. Max. inlet pressure ratings are at full line voltages of 24, 120, 240, etc. For a 10% voltage reduction these inlet pressure ratings will be approximately 30% lower.
 2. For other materials and quantity requirements, consult factory.



SOLENOID COIL HOUSINGS					
Coil Type	A ₁	A ₂	A ₃	B ₁	B ₂
	In. mm	In. mm	In. mm	In. mm	In. mm
W24 IP 65	2.85 72	.91 23	1.2 30	2.7 69	3.0 75

VALVE BODY DIMENSIONS						
Pipe Size	C		D		E	
	in.	mm	in.	mm	in.	mm
1/4"	5.4	187	3.1	79	1.8	46
1/2"	5.4	187	3.1	79	1.8	46

PART NUMBERS

EASY
Model
EASY

2
Pipe Size
2 – 1/4"
4 – 1/2"

V
Seals
V – Viton
EP – EPDM

8
Orifice Size
8 – 1/4"

W 24
Connector
W – Z-Cool Connector
R – Rectified Connector

120/60
Coil Voltage
024/60 – 24V AC, 60Hz
024DC – 24V DC
120/60 – 120V AC, 60Hz
240/60 – 240V AC

NO
Material
PV – PVC