

Dezurik 3V & 4V Solenoid Valves

Encapsulated Coils Offer Economy and Protection

3V and 4V solenoid valves feature rugged, epoxy-encapsulated coils that are resistant to water, dust and corrosion. This epoxy-molded solenoid provides extra levels of safety and protection at no extra cost. In addition, solenoids are designed for long-term operation at minimal coil wattage. Lower-wattage coils consume less power, saving money and increasing efficiency.

Proven Design Minimizes Wear

Solenoid valves feature a short-stroke design that minimizes wear and maximizes service life. Valve bodies are made from brass or stainless steel. Coils have high-temperature Class F insulation for operation for nominal ambient temperature range as standard. Optional Class H insulation is available on application.

Applicable Standards

Solenoid valves are CSA certified and UL listed.

Watertight & Explosion-Proof Protection

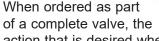
The same solenoid valve that meets Type I enclosure requirements also meets Types 2, 3, 3S, 4 and 4X. Explosion-proof models meet Type 3, 3S, 4, 4X, 6, 6P, 7 and 9 requirements.

Design Eases Maintenance

Solenoid valves are easy to maintain or replace in the field. Operating voltages are stamped onto each coil, and the coils themselves can be easily swapped or replaced in the field without disconnecting the valve itself.

Ordering

Standard solenoids can be ordered mounted and piped as part of a complete valve/actuator assembly, or they can be ordered as a separate item.



action that is desired when the valve is energized must be specified below the valve characteristics. If speed of operation is critical, contact DeZURIK with valve and actuator size, service conditions and required operating speed for recommendations.



Three-way solenoid valves are available on:

- DR-40B, DR-85B, DR-125 Diaphragm Actuators(with or without positioner)
- DR145A and DR250A Diaphragm Actuators (with positioner only)
- Compact Spring-Return Actuators
- G-Series Spring-Return Cylinder Actuators

Port size is 1/4" (6.35mm), orifice size is 3/32" (2.38mm), and maximum pressure differential is 100 psig (690 kPa) air. Coil voltage on 3-Way solenoids is both 120 AC/60 Hz and 110 AC/50 Hz as standard. DC voltage on application is 60 psig (410 kPa).



4-Way Solenoid Valves

Four-way solenoid valves are for use on:

- DR145A and DR250A Diaphragm Actuators (without positioner)
- G-Series Double-Acting Cylinder Actuators
- Compact Double-Acting Actuators
- Knife Gate Valve Cylinder Actuators

Port size is $\frac{1}{4}$ " (6.35mm), $\frac{1}{2}$ " (12.7mm) or $\frac{3}{4}$ " 19.05 mm) and maximum pressure differential is 125 psig (860 kPa) air. Solenoid coil voltage is either 120 AC/60 Hz, 110 AC/50 Hz or 24 VDC depending on model order code.

Brass Body							
Туре	Enclosure Type	Voltage	Cv	Order Code Valve/ Actuator Assembly			
Explosion-proof & Watertight	3,3S,4,4X, 6,6P,7,9	120/60 110/50	.12	3V1002			
Explosion-proof & Watertight with manual override	3,3S,4,4X, 6,6P,7,9	120/60 110/50	.12	3V1003			
303 Stainless Steel Body							
Explosion-proof & Watertight	3,3S,4,4X, 6,6P,7,9	120/60 110/50	.12	3V1006			
Explosion-proof & Watertight with manual override	3,3S,4,4X, 6,6P,7,9	120/60 110/50	.12	3V1007			

Ordering Example:

PEC,6,F1,CI,NBR,CR*GS-6-SC6,3V1002

Solenoid to open valve when energized.

Brass Body – US Voltage								
Туре	Enclosure Type	Voltage	Cv	Order Code Valve/ Actuator Assembly				
Watertight & Explosion-	3,3S,4,4X,	120 AC	.80	4V2110				
proof, single coil Watertight & Explosion-	6,6P,7,9 3,3S,4,4X,	60 Hz 120 AC		4V2111				
proof, with manual override	6,6P,7,9	60 Hz	.80					
Watertight & Explosion-	3,3S,4,4X,	120 AC						
proof, single coil	6,6P,7,9	60 Hz	1.40	4V1015				
Watertight & Explosion-	3,3S,4,4X,	120 AC						
proof, dual coil	6,6P,7,9	60 Hz	1.40	4V2001				
Watertight & Explosion-	3,3S,4,4X,	120 AC						
proof, single coil	6,6P,7,9	60 Hz	5.20	4V1045				
Watertight & Explosion-	3,3S,4,4X,	120 AC						
proof, dual coil	6,6P,7,9	60 Hz	5.20	4V1102				
Watertight & Explosion-	3,3S,4,4X,			4V1079				
proof, single coil	6,6P,7,9	24 VDC	.80					
Watertight & Explosion-	3,3S,4,4X,	0411/00		4V1108				
proof, dual coil	6,6P,7,9	24 VDC	.80					
Watertight & Explosion-	3,3S,4,4X,	0411/00	4.40	4V1051				
proof, single coil	6,6P,7,9	24 VDC	1.40					
Watertight & Explosion-	3,3S,4,4X,	041//00	4.40	4V2137				
proof, dual coil	6,6P,7,9	24 VDC	1.40					
Watertight & Explosion-	3,3S,4,4X,	24 VDC	5.20	4V2103				
proof, single coil	6,6P,7,9	24 VDC	5.20	472103				
Watertight & Explosion-	3,3S,4,4X,	24 VDC	5.20	4V2138				
proof, dual coil	6,6P,7,9	24 VDC	3.20	472136				
304 Stainless Steel	Body - US	S Voltage						
Watertight & Explosion-	3,3S,4,4X,	120 AC	.70	4V2114				
proof, single coil	6,6P,7,9	60 Hz	.70					
Watertight & Explosion-	3,3S,4,4X,	120 AC	.70	4V2115				
proof, with manual override	6,6P,7,9	60 Hz	.70	472113				
Brass Body – Europ	ean Voltag	je						
Watertight &	3,3S,4,4X,	110 AC	70	1) (0440				
Explosion-proof,	6,6P,7,9	50 Hz	.70	4V2119				
Watertight & Explosion-	3,3S,4,4X,	110 AC	70	4V2120				
proof, with manual override	6,6P,7,9	50 Hz	.70					
Watertight & Explosion-	3,3S,4,4X,	110 AC	1.40	4V1015				
proof, single coil	6,6P,7,9	50 Hz	1.40					
Watertight & Explosion-	3,3S,4,4X,	110 AC	1.40	4V2001				
proof, dual coil	6,6P,7,9	50 Hz	1.40	472001				
Watertight & Explosion-	3,3S,4,4X,	110 AC	5.20	4V1045				
proof, single coil	6,6P,7,9	50 Hz	0.20	4 v 1040				
Watertight & Explosion-	3,3S,4,4X,	110 AC	5.20	4V1102				
proof, dual coil	6,6P,7,9	50 Hz	0.20	7 1 1 1 0 2				
304 Stainless Steel	Body - Eu	ropean V	oltage					
Watertight & Explosion-	3,3S,4,4X,	110 AC	.70	4V2123				
proof, single coil	6,6P,7,9	50 Hz	./0	442123				
Watertight & Explosion-	3,3S,4,4X,	110 AC	.70	4V2124				
proof, with manual override	6,6P,7,9	50 Hz	./0	472124				

Ordering Example: PEC,6,F1,CI,NBR,CR*GS-6-PC6,4V2110 Energize to open.

Sales and Service

For information about our worldwide locations, approvals, certifications and local representative:

Web Site: <u>DeZURIK.com</u> E-Mail: <u>info@DeZURIK.com</u>



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