

Furon® DVX Solenoid Valve

Electrically Actuated, 2-Way & 3-Way



Features/Benefits

- 100% virgin PTFE flow path
- High forward and back pressure rating provides flexibility in system design
- Single-piece fluoropolymer body with only three moving parts
- Rated for 100% duty cycle
- O-Ring free design
- Free of metallic wetted parts, eliminating potential of ionic contamination
- Ready to install; no adjustments necessary
- Ideal for handling harsh or aggressive media

Applications

- Applications include Semiconductor manufacturing, Biomedical research, and Chemical Process industries
- Ideal for applications that demand high flow, high pressure and compact size
- Suitable for use in high-purity applications

Operation

- Electrically actuated 2-way or 3-way diverter valve
- Designed to handle liquid and gas pressure up to 100 PSIG (689 kPa)
- AC and DC options available

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Ordering Information

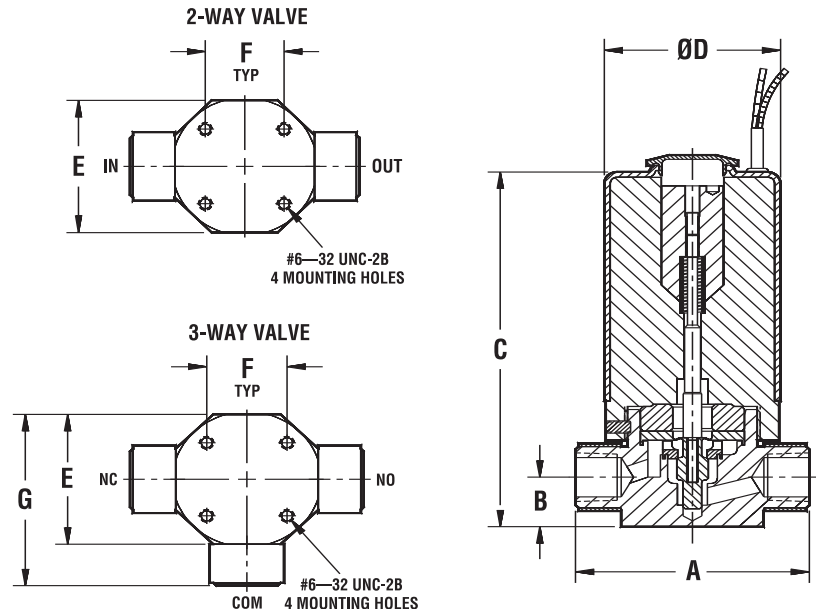
PART NO.	ORIFICE	END CONNECTION	PORT SIZE	VOLTAGE	A	B	C	ØD	E	F	G
2-WAY VALVES											
DVX2-144NCD2	1/4"	FNPT	1/4"	24 VDC							
DVX2-144NCA1	1/4"	FNPT	1/4"	115 VAC	2.36	.55	3.94	1.78	1.44	.81	—
DVX2-144NOD2	1/4"	FNPT	1/4"	24 VDC	(59.94mm)	(13.97mm)	(100.08mm)	(45.21mm)	(36.58mm)	(20.57mm)	
DVX2-144NOA1	1/4"	FNPT	1/4"	115 VAC							
3-WAY VALVES											
DVX3-144D2	1/4"	FNPT	1/4"	24 VDC	2.36	.55	3.94	1.78	1.44	.81	1.90
DVX3-144A1	1/4"	FNPT	1/4"	115 VAC	(59.94mm)	(13.97mm)	(100.08mm)	(45.21mm)	(36.58mm)	(20.57mm)	(48.26mm)

Specifications and Performance

- Ambient Operating Temperature: 0°F to 176°F (-17°C to 80°C)
- Media Operating Temperature: 0°F to 194°F (-17°C to 90°C)
- Maximum Pressure (Any Port): 100 PSIG (689 kPa) @ Room Temperature
- 194°F Power, Watts @ 70°F: 14W

Specifications and Performance

Electrical			
Voltage Rating		Current Rating	Nominal Resistance
Normal	Min.	Max.	(Amps) @25°C (Ohms)
24VDC	21.6	26.2	.56
115VAC	103.0	127.0	.13
			41.1
			783.0



Notes

- All Furon solenoids are tested to operate at 10% under the normal voltage and are capable of operating for periods of time at 10% over the nominal voltage. When a solenoid has been energized for a long period, the solenoid enclosure becomes hot and should not be touched.
- Coil resistance tolerance $\pm 5\%$.
- Voltage tolerance $\pm 10\%$.
- All DVX AC frequency ratings are 50/60 cycles.
- 18" long lead wires (standard).

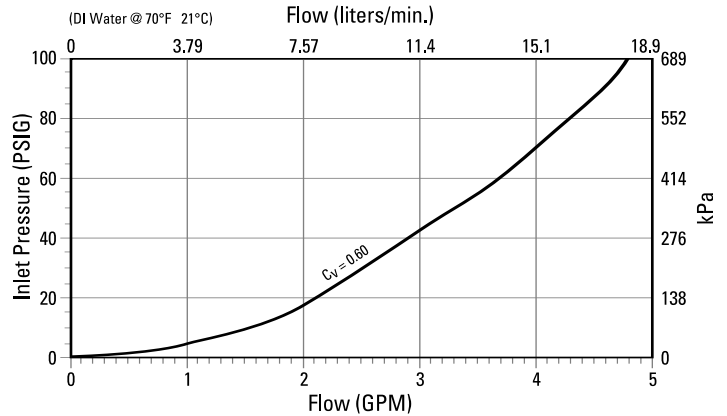
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Inlet Pressure vs Flow



US Patent 5,575,311

Furon® is a registered trademark.

12-month Limited Warranty: For a period of 12 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product to be free from defects in manufacturing. This company's only obligation will be to provide replacement product for any material proven to have such a defect, or at SGPPL's option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct, consequential or incidental, arising out of the use, misuse, or inability to use this product. SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Saint-Gobain Performance Plastics reserves the right to change product specifications without prior notice.

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