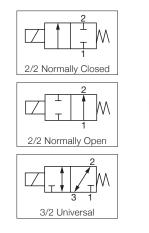
ASCO™ MINIATURE SOLENOID VALVES

PTFE DIAPHRAGM FLUID ISOLATION VALVES

- PTFE isolation valves are designed for use with highly • aggressive liquids
- The PTFE body and diaphragm isolates the internal solenoid • components from the media
- Excellent self-draining capability and easy-to-flush low-٠ volume internal cavity
- Compact architecture make them ideal for analytical bench-• top instrumentation
- Available in 2-Way normally closed, 2-Way normally open, • and 3-Way universal; comes with #10-32, 1/4-28, or 1/8 NPSC in-line porting for exceptional versatility
- Meets all relevant CE directives
- Typical applications include: •
 - Chromatography
 - Solvent Selection/Diversion
 - Sample Preparation
 - DNA Sequencing

Fluids*

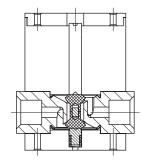
Aggressive liquids



Seal Materials*

PTFE





General Valve Information*					
Body	PTFE / Stainless steel				
Poppet	PTFE				
Diaphragm	PTFE				
Response Time	< 20ms				
Internal Volume	As low as 18 µl				
* Ensure that the compatibility of the materials in contact with the fluids is verified					

Temperature Range

0°C to 70°C (32°F to 158°F)

Ensure that the compatibility of the materials in contact with the fluids is verified

*Ensure that the compatibility of the materials in contact with the fluids is verified

Electrical Characteristics				
Coil Insulation Class	F			
Connector	22 AWG or 24 AWG Lead wires, 457mm (18in) long, PTFE coated			
Standard Voltages	12 VDC, 24 VDC			
Power Consumption	1.0 to 7.2 Watts			

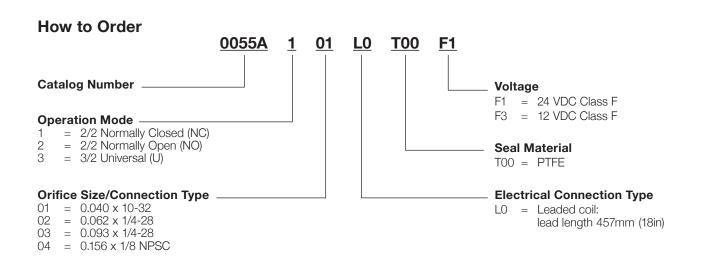
Specifications									
Connection	Orifice Size	Flow Coefficient		Operating bar	Power				
				min.	max.	Rating (W)			
	mm (inches)	Kv (m³/h)	Cv		gas / liquids	(•••)			
#10-32	1.02 (0.040)	0.010	0.012	-0.9 (-13)	2.07 (30)	1			
1/4-28	1.57 (0.062)	0.023	0.027	-0.9 (-13)	2.07 (30)	1.5			
1/4-28	2.36 (0.093)	0.050	0.058	-0.9 (-13)	2.07 (30)	4.2			
1/8 NPSC	3.96 (0.156)	0.186	0.215	-0.9 (-13)	2.07 (30)	7.2			





ASCO™ MINIATURE SOLENOID VALVES

PTFE DIAPHRAGM FLUID ISOLATION VALVES



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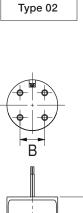
ASCO™ MINIATURE SOLENOID VALVES

PTFE DIAPHRAGM FLUID ISOLATION VALVES

Dimensions: mm (inches)

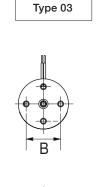


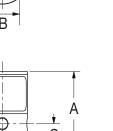
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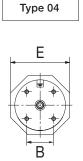


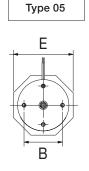
А

С



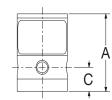


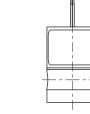


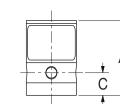


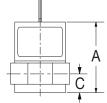
SERIES

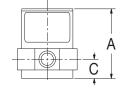
055

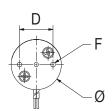


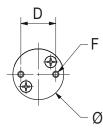


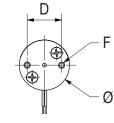


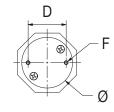


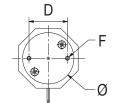












Configuration	Туре	Catalog Number	Ø	А	В	С	D	E	F
2-Way NC	01	0055A101L0T00xx	19.05 (0.750)	29.34 (1.155)	12.70 (0.500)	9.220 (0.363)	12.70 (0.500)	-	#2-56
	02	0055A102L0T00xx	25.40 (1.000)	37.78 (1.488)	12.34 (0.486)	11.43 (0.450)	17.45 (0.687)	-	#4-40
	04	0055A103L0T00xx	31.75 (1.250)	47.32 (1.863)	15.90 (0.626)	12.70 (0.500)	22.45 (0.884)	38.10 (1.500)	
	04	0055A104L0T00xx	38.10 (1.500)	53.04 (2.088)	20.22 (0.796)	14.27 (0.562)	28.58 (1.125)	44.45 (1.750)	
2-Way NO	01	0055A201L0T00xx	19.05 (0.750)	29.54 (1.163)	12.70 (0.500)	9.220 (0.363)	12.70 (0.500)	-	#2-56
	03	0055A202L0T00xx	25.40 (1.000)	37.91 (1.493)	17.45 (0.687)	11.43 (0.450)	17.45 (0.687)	-	#4-40
	05	0055A203L0T00xx	31.75 (1.250)	46.06 (1.814)	22.45 (0.884)	12.70 (0.500)	22.45 (0.884)	38.10 (1.500)	
	05	0055A204L0T00xx	38.10 (1.500)	51.78 (2.039)	28.58 (1.125)	14.27 (0.562)	28.58 (1.125)	44.45 (1.750)	
3-Way	01	0055A301L0T00xx	19.05 (0.750)	29.49 (1.161)	12.70 (0.500)	9.220 (0.363)	12.70 (0.500)	-	#2-56
	03	0055A302L0T00xx	25.40 (1.000)	37.88 (1.492)	17.45 (0.687)	11.42 (0.450)	17.45 (0.687)	-	
	05	0055A303L0T00xx	31.75 (1.250)	46.06 (1.814)	22.45 (0.884)	12.70 (0.500)	22.45 (0.884)	38.10 (1.500)	#4-40
	05	0055A304L0T00xx	38.10 (1.500)	51.75 (2.038)	28.58 (1.125)	14.27 (0.562)	28.58 (1.125)	44.45 (1.750)	

Asco



