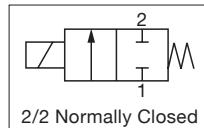


# ASCO™ MINIATURE SOLENOID VALVES

## DIAPHRAGM COMPACT 2-WAY SOLENOID ISOLATION VALVE

- Direct acting solenoid valve for use with neutral or aggressive liquids in analytical instruments
- Media separating soft-seal PTFE diaphragm, prevents any potential leakage of critical reagents within the instrument compartment
- Low power consumption results in less heat transfer to thermally sensitive reagents and samples
- Small form-factor saves space in OEM instruments and is well-suited for portable and hand-held field devices
- Typical application include:
  - Clinical Diagnostics
  - DNA Sequencing
  - Liquid Chromatography
  - Sample Preparation



Fluids*	Temperature Range	Seal Materials*
Liquids or Gases	0°C to 40°C (32°F to 104°F)	FKM, FFKM

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

### General Valve Information

Body	PPS, PEEK
Diaphragm	PTFE
Response Time	< 10ms
Internal Volume	29µl
Max Viscosity	20 cSt (mm <sup>2</sup> /s)

### Electrical Characteristics

Coil Insulation Class	F
Connector	Lead Wires
Connector Specification	28 AWG PTFE coated
Electrical Safety	IEC 335
Electrical Enclosure Protection	IP65 (EN 60529)
Standard Voltages*	12 VDC, 24 VDC (±5%)

Electrical Connection	Power Ratings				Ambient Temperature Range
	Inrush	Holding		Hot/Cold	
	VA	VA	W	W	
L0	-	-	-	2.8	0 to 40 (32 to 104)

### Specifications

Connection	Orifice Size	Flow Coefficient		Operating Pressure bar (psi)			Power Rating (W)	Catalog Number
				min.	max.			
		mm (inches)	Kv (m <sup>3</sup> /h)	Cv	gas / liquids			
<b>2/2 NC - Normally Closed</b>								
Pad Mounting	1.00 (0.04)	0.018	0.021	-0.2 bar (-2.9 psi)	2.0 bar (29 psi)	2.8	R058A001L0XXXXX	
Pad Mounting	1.00 (0.04)	0.018	0.021	-0.2 bar (-2.9 psi)	2.0 bar (29 psi)	2.8	R058A002L0XXXXX	

**How to Order**

**Connection Type** R **058** **A 001**  
R = Pad Mounting

**Product Series** 058 = 14mm Diaphragm Isolation Valve

**Revision** A = Initial Release

**Orifice/ Body Material** 001 = 1.0mm PEEK  
002 = 1.0mm PPS

L0 **V00** **F1****Voltage**F1 = 24 VDC Class F  
F3 = 12 VDC Class F**Seal Material**V00 = FKM  
X00 = FFKM**Electrical Connection Type**  
L0 = Leaded Coil**Dimensions: mm (inches)**