

ROCKER SOLENOID FLUID ISOLATION VALVES

- Rocker isolation valves are designed for use with neutral or highly aggressive liquids in analytical instrumentation
- Special rocker mechanism, combined with a separating diaphragm, prevents heat transfer to the fluid and eliminates the sticking effect of the valve seat
- Hermetic separation of control mechanism prevents particulate contamination caused by friction of moving parts, assuring maximum purity of liquid samples
- Excellent self-draining capability and easy-to-flush low-volume internal cavity make these valves ideal in application where cross-contamination must be minimized
- Removable and rotatable electrical coils allow for easy installation and worry-free maintenance
- Meets all relevant CE directives
- Typical applications include:
 - In-vitro Diagnostics
 - Hematology
 - DNA Sequencing
 - Surgical Fluid Management





Fluids*	Temperature Range	Seal Materials*			
Liquids or Gases	40.00 +- 00.00 (44.05 +- 470.05)	FFKM (perfluoroelastomer)			
	-10 °C to 80 °C (14 °F to 176 °F)	EPDM (ethlyene-propylene)			

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

General Valve Information							
	PEEK Body	PA Body					
Body	PEEK	PA (polyamide 12)					
Mounting Pad	PEEK	PA					
Diaphragm and Discs	FFKM	EPDM					
Mounting Pad Seal	FFKM	EPDM					
Response Time	< 20ms	< 20ms					
Internal Volume	67µl	67µl					
Max. Viscosity	37 cSt (mm ² /s)	37 cSt (mm ² /s)					

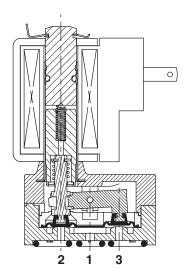
Electrical Characteristics						
Coil Insulation Class	F					
Coil	Two spade terminals 2.8 x 0.5mm (0.11 x 0.02in) [DIN 46340] [or detachable size 15 connector]					
Electrical Enclosure Protection	IP40 (EN 60529)					
Standard Voltages 1	12 VDC, 24 VDC					

¹ Other voltages on request

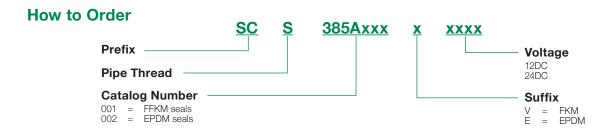
	Power Ratings				Ambient		- 1	
Prefix Option	Ontion Inrush Holding He		Hot/ Cold	Temperature Range	Replacei	Type ¹ (DNX-4)		
	VA	VA	W	W	°C (°F)	12 VDC	24 VDC	
SC	-	-	-	4	-10 to 60 (14 to 140)	43005268	43005269	01

¹ Refer to the dimensional drawings on the following page

Specifications											
Connection	Orifice Size	Flow Coefficient		Pressure Differential bar (psi)			Power Coil			Options	
	0111100 0120				max.]		Catalog Number	Optiono	
	mm (inches)	Kv (m3/h)	Cv	min.	gases	liquids	W			FKM	EPDM
3/2 U - Univers	3/2 U - Universal, PEEK Body, FFKM Seals										
Pad Mount	1.5 (0.06)	0.03	0.035	0	2.4 (34.8)	2.4 (34.8)	-	4	SCS385A001	V	E
3/2 U - Universal, PA Body, EPDM Seals											
Pad Mount	1.5 (0.06)	0.03	0.035	0	2 (29)	2 (29)	-	4	SCS385A002E	-	-



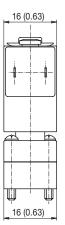


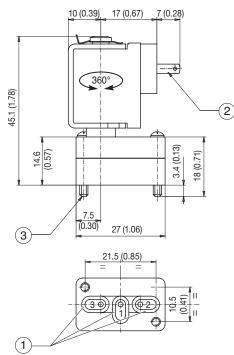


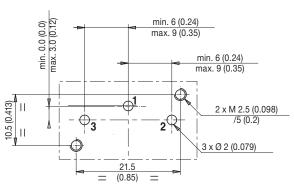
Dimensions: mm (inches)

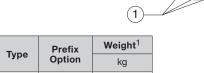
Dimensional Drawings











- 1 Including coil, without connector
- 1 1 Mounting Pad Seal
- (2) Coil with 2 Faston-type terminals 2.8 x 0.5 (DIN 46340)
- (3) Mounting: 2 screws M2.5 x 18

Options

- Valves can also be supplied with FKM (fluoroelastomer) and EPDM (ethylene-propylene) seals and diaphragm. Use the appropriate optional suffix letter for identification
- · Leaded coil
- Power-save version
- Connector size 15, catalog number: 88143581

Installation

- The solenoid valves can be mounted in any position without affecting operation
- Can be used for the following functions, depending on how the ports are connected:







