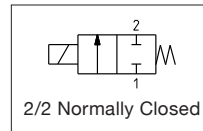


- Diaphragm solenoid isolation valves designed for use with neutral and aggressive liquids and gases in analytical instrumentation
- Larger orifice sizes make these valves ideal for high flow-rate applications
- Good self-draining capability and low-volume internal cavity to minimize cross-contamination
- Removable and rotatable electrical coils allow for easy installation and worry-free maintenance
- Adjustable flow restrictor incorporated into valve body allows for easy adjustment of media flow-rates from 10% – 100%
- Meets all relevant CE directives, and is RoHS compliant
- Typical applications include:
 - In-vitro Diagnostics
 - Hematology
 - Spectrometry
 - Water Analyzers



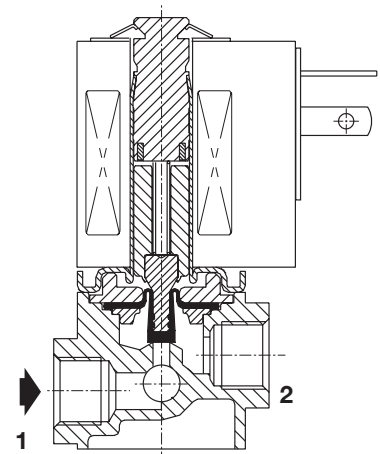
Fluids*	Temperature Range	Media Temperature Range	Seal Materials*
Liquids or gases	-10 °C to 60 °C (14 °F to 140 °F)	-10 °C to 80 °C (14 °F to 176 °F)	FKM

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

General Valve Information*	
Body	PP (Glass Fiber Reinforced)
Seals	FKM
Response Time	< 20ms
Internal Volume	70µl
Max. Viscosity	37 cSt (mm ² /s)

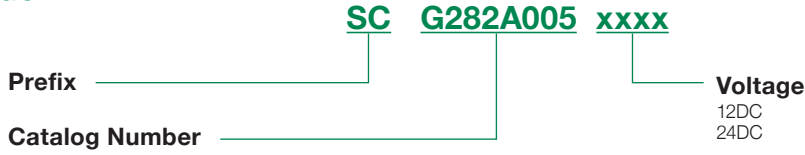
* Ensure that the compatibility of the fluids in contact with the materials is verified

Electrical Characteristics	
Coil Insulation	155 °C (311 °F)
Connector	DIN Spade Terminal
DIN Connectors	Size 18mm, ISO 4400/EN 175301-803 form A
Standard Voltages	12 VDC, 24 VDC
Power Consumption	9 Watts



Specifications								
Prefix Option	Ports	Orifice Size	Flow Coefficient		Pressure Differential bar (psi)		Power Coil	Catalog Number
		mm (inches)	Kv (m ³ /h)	Cv	min.	max.	W	
SC	G1/4	4.5 (0.177)	0.450	0.520	0	1 (14.5)	9.0	G282A005xxxx

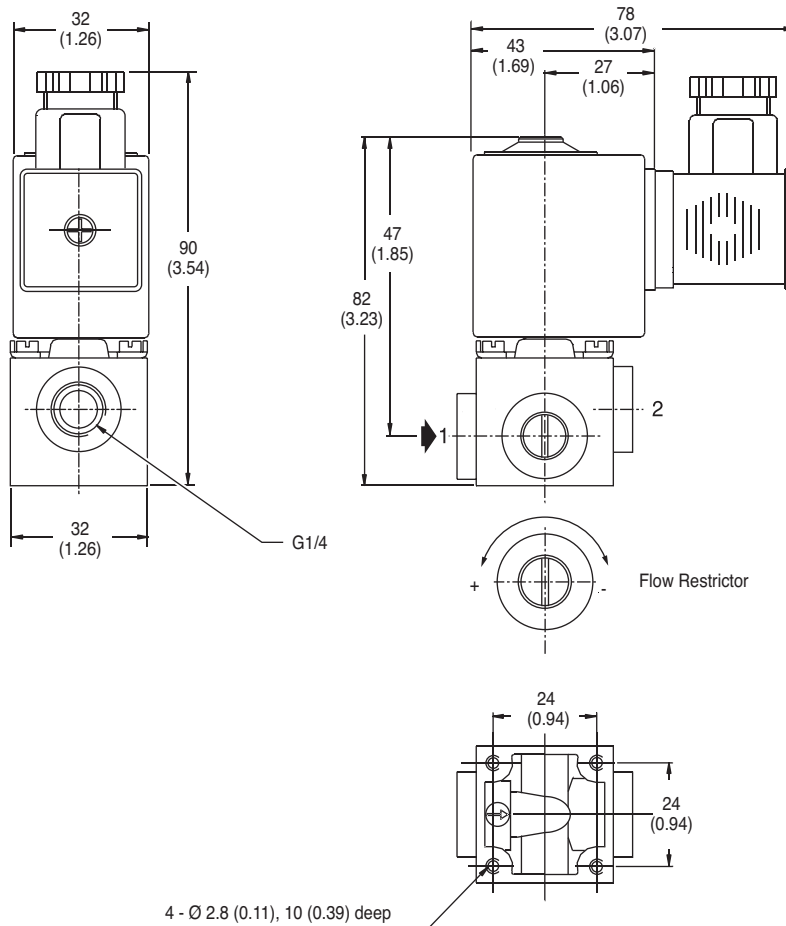
How to Order



Ordering Example: SCG282A00524DC = G1/4 ports, 4.5mm (0.177in) orifice, 24 VDC

Dimensions: mm (inches)

Dimensional Drawings



Options

- Valves can also be supplied with FKM (fluoroelastomer) and EPDM (ethylene-propylene) seals and diaphragm

Installation

- The solenoid valves can be mounted in any position without affecting operation