

The 282 Series are 2-Way, normally closed, high flow isolation valves designed to control the flow of aggressive liquids and gases in analytical instruments, clinical diagnostic analyzers, and bioinstrumentation. The 282 Series offers the following benefits:

- High flow rates for corrosive media service.
- Capable of handling a variety of media with several body and diaphragm material options.
- Removable/rotatable coil for easy service and installation.
- Adjustable flow restrictor incorporated into valve body (range 10% to 100% flow)

Construction

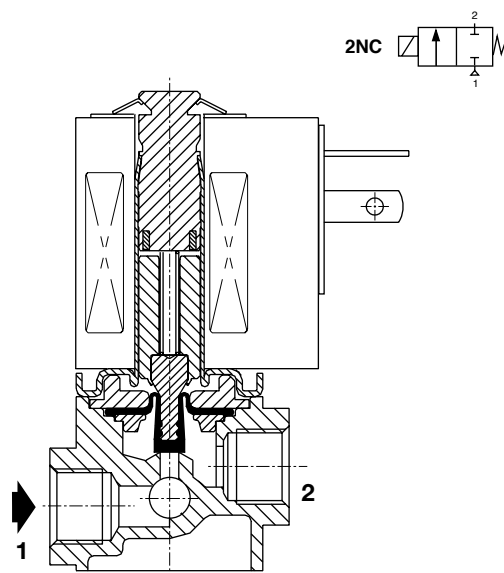
Valve Wetted Parts	
Body	PP (Glass Fiber Reinforced)
Seals	FKM

Electrical

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

Valve

Response Time	~20 ms
Maximum Viscosity of Fluid	37 cSt (mm ² /s)



Temperature Range:

Ambient:
14°F to 140°F (-10°C to 60°C)

Media:
14°F to 176°F (-10°C to 80°C)

Approvals:

Meets applicable CE directives.



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
+44 (0) 191 490 1547
www.heatingandprocess.com

Specifications

Ports	Orifice Size (in)	Cv Flow Factor	Differential Pressure (psi)		Prefix	Catalog Number	Power (Watts)	Weight (oz)
			Min.	Max.				
G 1/4	0.177	0.52	0	14.5	SC	G282A005xxxx	9.0	11.3

Catalog Number Description and Options

SC	G282A005	xxxx
Prefix	Catalog Number	Voltage 12DC 24DC

Examples

SCG282A00524DC = G1/4 ports, 0.177" orifice, 24VDC

Dimensions 282 Series: Inches (mm)

