

The 8296 Series is a 2-Way, high flow isolation valve designed to control the flow of aggressive liquids and gases in analytical, semiconductor, and environmental equipment. The 8296 Series offers the following benefits:

- Reliable operation with a wide variety of media due to inert wetted materials such as PEEK, PTFE, stainless steel, and FFKM.
- High flow rates of corrosive or high purity fluids.
- Higher pressure ratings than typical isolation valves.

Construction

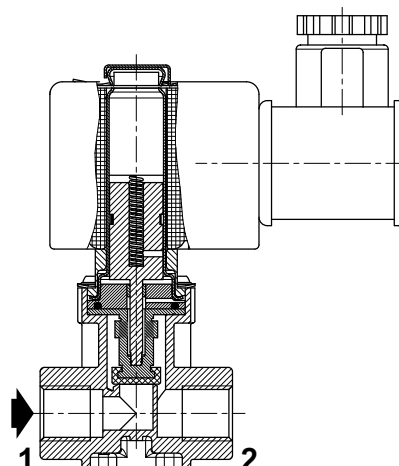
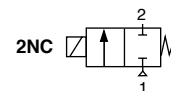
Valve Wetted Parts	
Body	PEEK, 300 Series Stainless Steel
Seals	FFKM
Bellows	PTFE

Electrical

Standard Voltages	24 VDC
Power Consumption	6.9, 11.2 Watts
Duty Cycle Rating	Continuous
Coil Insulation	311°F (155°C)
Electrical Connection	DIN Spade Terminal
DIN Connectors	
- 6.9 Watt Coil	Size 11mm, DIN 43650 Form B
- 11.2 Watt Coil	Size 18mm, ISO 4400/EN 175301-803 Form A

Valve

Maximum Viscosity of Fluid	40 cSt (mm²/s)
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Temperature Range:

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

Media:
14°F to 194°F (-10°C to 90°C)

Approvals:

Meets applicable CE directives.



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Specifications

Port Type	Orifice Size (in)	Cv Flow Factor	Operating Pressure (psi)		Prefix	Catalog Number	Const. Ref.	Power (Watts)	Weight (oz)
			Min.	Max.					
PEEK Body									
1/4	0.079	0.13	0	44	SC	x296A007xxxx	1	6.9	5.1
1/4	0.079	0.13	0	87	SC	x296A008xxxx	2	11.2	14.8
1/4	0.157	0.37	0	73	SC	x296A009xxxx	2	11.2	14.8
Stainless Steel Body									
1/4	0.079	0.13	0	44	SC	x296A021xxxx	3	6.9	10.9
1/4	0.079	0.13	0	87	SC	x296A022xxxx	4	11.2	22.9
1/4	0.157	0.37	0	73	SC	x296A023xxxx	4	11.2	22.9

Catalog Number Description and Options

SC	x	296A007	xxxx
Prefix	Port Threads G = G (ISO 228/1) 8 = NPT	Catalog Number	Voltage 24DC

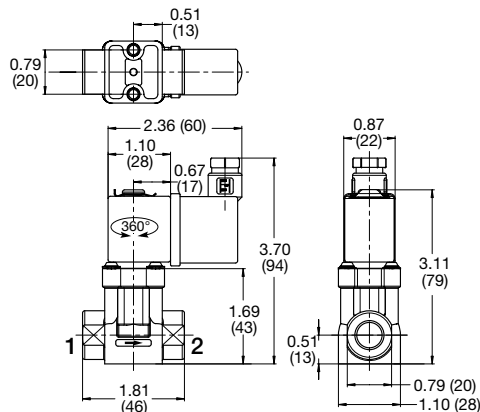
Examples

SCG296A00724DC = PEEK body with G 1/4 ports, .079" orifice, 24 VDC

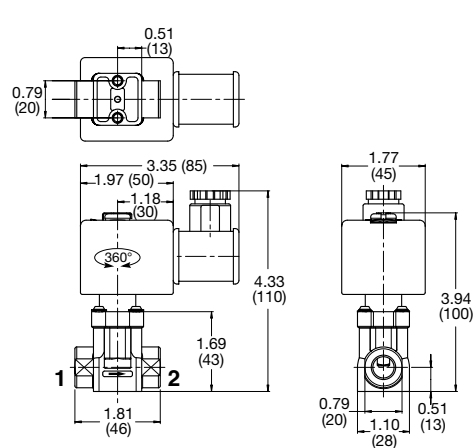
SC8296A02324DC = Stainless steel body with 1/4 NPT ports, .157" orifice, 24 VDC

Dimensions 8296 Series: Inches (mm)

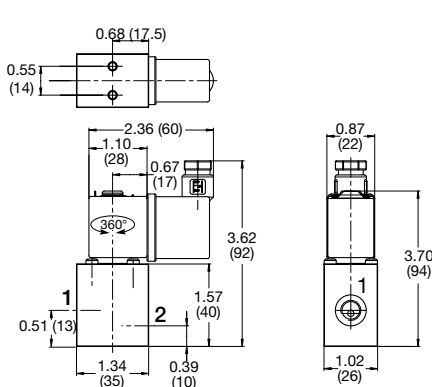
Const. Ref. 1



Const. Ref. 2



Const. Ref. 3



Const. Ref. 4

