Low Pressure OEM Valves

Series 9040, 9080

Patent # 3,014,499

Features

- Original Shear-Seal® technology
- Low pressure drop
- Tolerates contaminates
- Spring return option
- Flexible design

Applications

- Paper mill controls
- Air pilot valves
- Halon fill systems
- Heating oil control
- Compressed gas manifold control

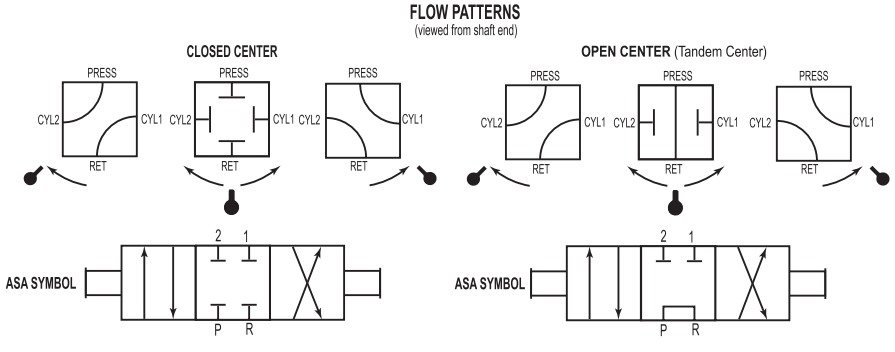


General Specifications*

Working Pressure:	Gasses or hydraulic fluids up to 500 psi (34 bar)
Flow Capacity, Cv:	See table
Back Pressure:	Must not exceed 250 psi (17.2 bar) at return port for satisfactory operation
Pressure Drop:	14 psi (0.96 bar) at 20 ft/sec See Supplemental Guide for more detailed information
Proof Pressure:	1.5x times working pressure except at return port
Burst Pressure:	2x times working pressure except at return port (500 psi [34 bar])

Media Temperature Range:	-40° to +250°F (-40° to +121°C)
Wetted Material: Rotor:	Hard anodized aluminum
Pressure Seals:	Brass
Shaft:	Stainless steel
Body, Housing:	Anodized aluminum
Bearings:	PTFE/stainless steel
Standard O-rings:	Buna N, others available

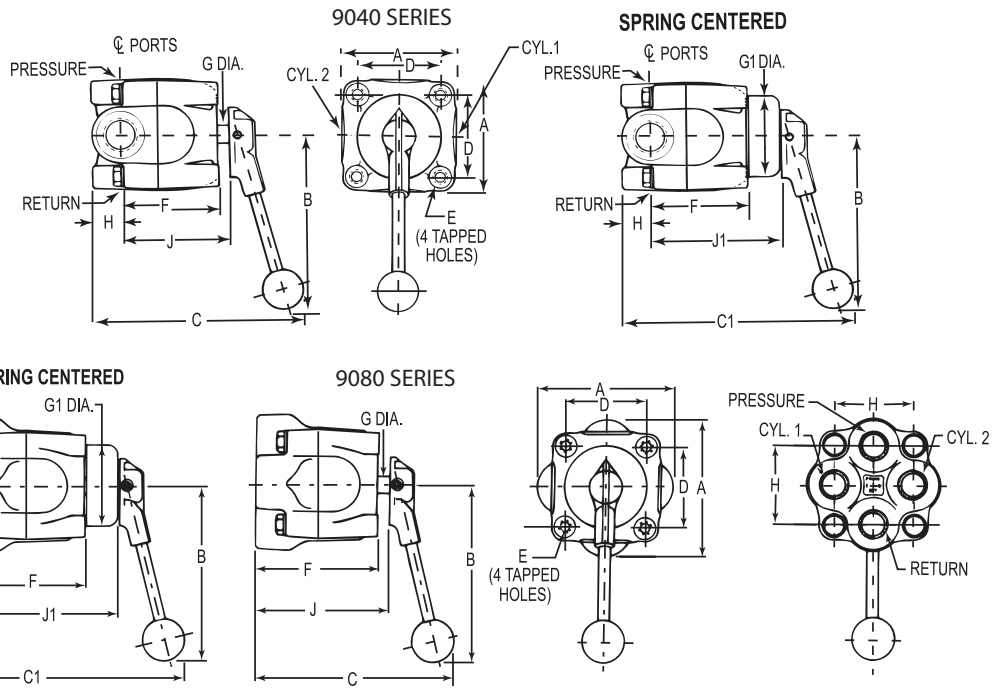
* See product configurator for additional options.



Main Valve Port Size	Flow Capacity (Approx.) Service: Oil 20 ft/sec gpm (l/min)	40 ft/sec gpm (l/min)	60 ft/sec gpm (l/min)	Min. Flow Passage Dia.	Cv Factor	Approx. Shipping Weight lbs (kgs)
1/2" & 3/4"	14 (53)	28 (106)	Use Heavy Duty Valve	17/32"	4.80	4.5 (2.0)
1"	25 (95)	51 (190)		23/32"	9.20	11.5 (5.2)

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Technical Drawings



9040 Series Regular (side) Porting

Port Size NPT	A	B	C	C1	D	E	F	G Dia.	G1 Dia.	H	J	J1
1/2" & 3/4"	3.5 (88.9)	5.44 (138)	7.37 (187.3)	7.94 (201.6)	2.56 (65.0)	3/8 - 16 NC	3.03 (77.0)	0.56 (14.2)	2.56 (65.0)	0.88 (22.4)	3.38 (85.9)	3.94 (100)
1"	4.5 (114)	8.44 (214)	8.16 (207)	9.03 (229.4)	3.31 (84.1)	1/2 - 13 NC	3.59 (91.2)	0.75 (19.1)	3.375 (85.7)	1.06 (26.9)	3.94 (100)	4.81 (122.2)

9080 Series Straight (bottom) Porting

Port Size NPT	A	B	C	C1	D	E	F	G Dia.	G1 Dia.	H	J	J1
1/2" & 3/4"	4.19 (106)	5.44 (138)	7.34 (186)	7.9 (200.8)	2.56 (65.0)	3/8 - 16 NC	3.88 (98.6)	0.56 (14.2)	2.56 (65.0)	2.50 (65.5)	4.22 (107)	4.78 (121)

Dimensions in inches (mm)

Product Configurator

Example:	904	5	R	0	A	C	3		

Series

904	Regular (side) porting
908	Straight (bottom) porting

Port Size

3	1/2" NPT ports
4	3/4" NPT ports
5	1" NPT ports (Series 904 only)

Style

R	Regular (side) porting, (Series 904)
S	Straight (bottom) porting, (Series 908)

Pressure Range

0	500 psi max.

Service

A	Air (pneumatic) or hydraulic fluid

Flow Pattern

C	Closed center
O	Open center (tandem center)

Options

-	See Supplemental Guide for complete list

Options

-A	SAE porting
-MC	Spring centering

Position

3	Three position