High Pressure OEM Manipulator Valves

Series 6900, 6940

Features

- Original Shear-Seal® technology
- Low pressure drop
- Tolerates contaminates
- Spring return option
- Special flow pattern for OEM designs

Applications

- Hydraulic presses
- Military equipment
- Paper mill controls
- Pipe forming
- Railroad maintenance equipment

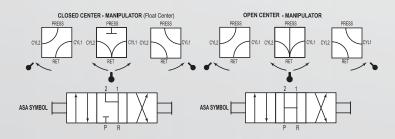


General Specifications*

Working Pressure:	Hydraulic fluid up to 3000 psi (206 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:	1-1/2 times working pressure except at return port				
Burst Pressure:	2-1/2 times working pressure except at return port (3000 psi [206 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:	Carbon steel			
Standard O-rings:	Buna N, others available			
Back-up Rings:	Teflon®			

FLOW PATTERNS (VIEWED FROM SHAFT END)



	Flow Capacity (Approx.)					
	Service: Oil					Approx.
	20 ft/sec	40 ft/sec	60 ft/sec	Min. Flow		Shipping
Main Valve	gpm	gpm	gpm	Passage	Cv	Weight
Port Size	(l/min)	(l/min)	(l/min)	Dia.	Factor	lbs (kgs)
1/4" & 3/8"	5 (19)	10 (38)	Use Heavy	5/16"	1.56	1 1/2 (0.7)
1/2" & 3/4"	14 (53)	28 (106)	Duty Valve	17/32"	4.80	3 (1.4)



^{*} See product configurator for additional options.

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Technical Drawings

