

**Technical Information**

- CV** Check Valves
- SH** Shuttle Valves
- LM** Load/Motor Controls
- FC** Flow Controls
- PC** Pressure Controls
- LE** Logic Elements
- DC** Directional Controls
- MV** Manual Valves
- SV** Solenoid Valves
- PV** Proportional Valves
- CE** Coils & Electronics
- BC** Bodies & Cavities
- TD** Technical Data

**General Description**

Direct Acting, Dual Poppet-Type, Cross-over Relief Valve. For additional information see Technical Tips on pages PC1-PC6.

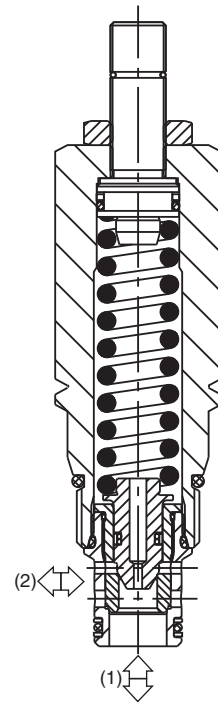
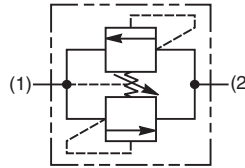
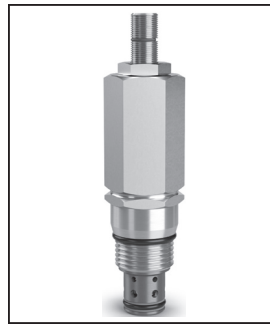
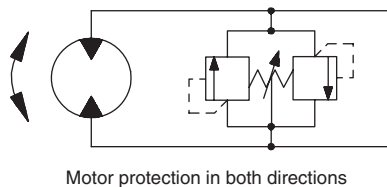
**Features**

- Compact space saving design
- Cost effective - only requires one cavity
- Poppet-type construction for lower leakage
- Full 350 Bar, 5000 PSI pressure capability
- High flow capability for the size of valve
- Minimal pressure variation with flow change
- Hardened working parts for maximum durability
- Adjustable and tamperproof versions available
- Available as CE marked valve in compliance with Pressure Equipment Directive
- All external parts zinc plated

**Specifications**

<b>Rated Flow</b>	120 LPM (32 GPM)
<b>Maximum Inlet Pressure</b>	<b>H</b> - 5-210 Bar (72-3000 PSI) <b>M</b> - 10-350 Bar (144-5000 PSI)
<b>Maximum Pressure Setting</b>	350 Bar (5000 PSI)
<b>Sensitivity: Pressure/Turn</b>	<b>H</b> 25 Bar (362 PSI) <b>M</b> 34 Bar (493 PSI)
<b>Maximum Tank Pressure</b>	350 Bar (5000 PSI)
<b>Leakage at 150 SSU (32 cSt)</b>	10 drops/min. @ 100 Bar (1450 PSI)
<b>Cartridge Material</b>	All parts steel. All operating parts hardened steel.
<b>Operating Temp. Range/Seals</b>	-34°C to +121°C (Nitrile) (-30°F to +250°F) -26°C to +204°C (Fluorocarbon) (-15°F to +400°F)
<b>Fluid Compatibility/Viscosity</b>	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
<b>Filtration</b>	ISO-4406 18/16/13, SAE Class 4
<b>Approx. Weight</b>	0.29 kg (0.64 lbs.)
<b>Cavity</b>	C10-2 (See BC Section for more details)
<b>Form Tool</b>	Rougher None Finisher

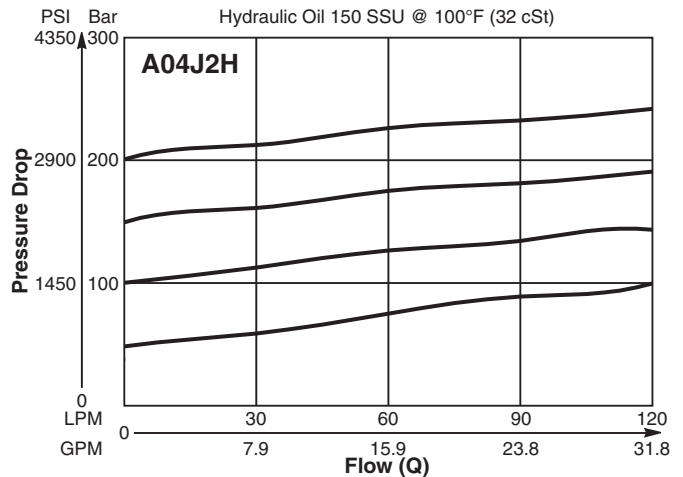
**Application**



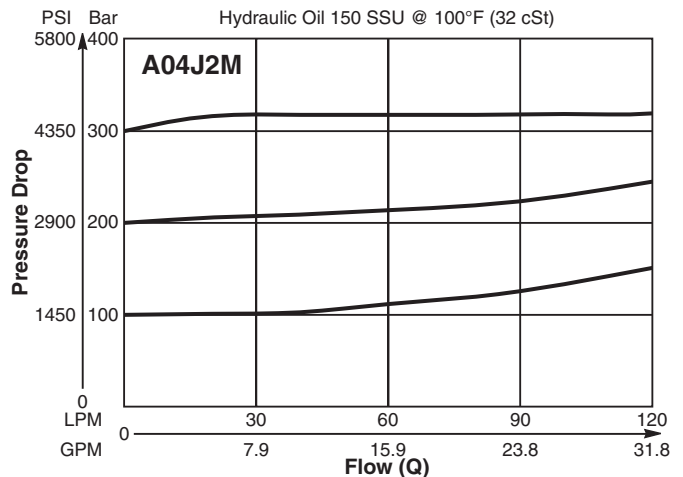
**Performance Curves**

(Pressure rise through cartridge only)

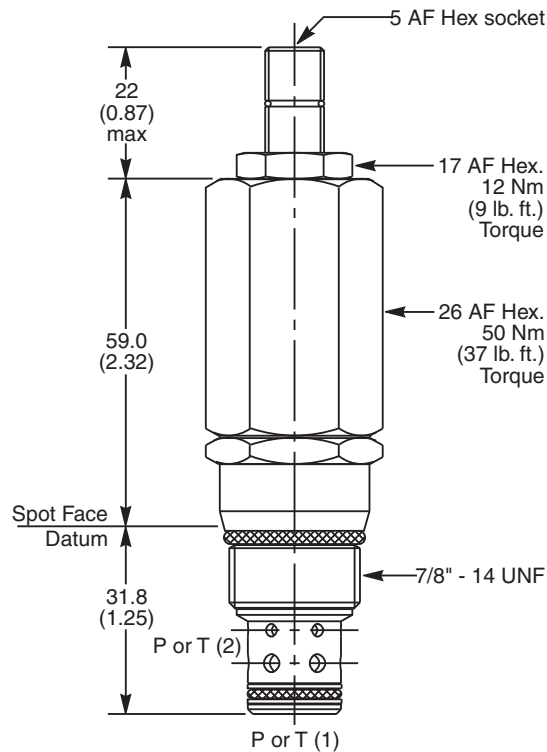
**Flow vs. Inlet Pressure 1 to 2 and 2 to 1**



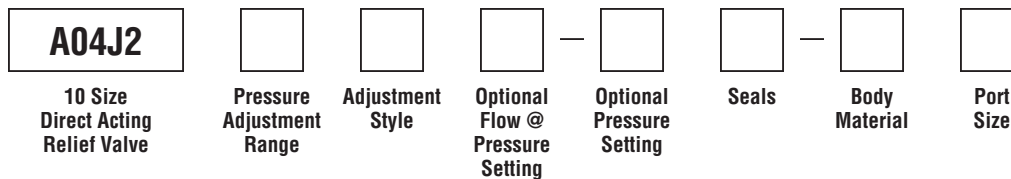
**Flow vs. Inlet Pressure 1 to 2 and 2 to 1**



**Dimensions** Millimeters (Inches)



**Ordering Information**



Code	Pressure Adjustment Range
H	5 - 210 Bar (72 - 3000 PSI)
M	10 - 350 Bar (144 - 5000 PSI)

Optional Pressure Setting	
Specify setting if required (Bar)	
<b>A04J2H</b> Standard Setting: 100 Bar (1450 PSI) @ 15 LPM (4.0 GPM)	
<b>A04J2M</b> Standard Setting: 200 Bar (2900 PSI) @ 15 LPM (4.0 GPM)	

Code	Body Material
Omit	Steel
A	Aluminum

Code	Adjustment Style / Kit No.
Z	Screw Adjust (Std.)
W	Knob Adjust
T	Tamper Resistant Cap (TC1130)

Code	Port Size	Body Part No.
Omit	Cartridge Only	
6T	SAE-6	(B10-2-*6T)
8T	SAE-8	(B10-2-*8T)

\* Add "A" for aluminum, omit for steel.

Optional Flow @ Pressure Setting	
If you require a maximum pressure setting at a flow rate, please enter it here in Liters per minute (LPM).	
Standard setting: 15 LPM (4.0 GPM)	

Code	Seals / Kit No.
N	Nitrile, Buna-N (Std.) / (SK30529N-1)
V	Fluorocarbon / (SK30529V-1)

- CV** Check Valves
- SH** Shuttle Valves
- LM** Load/Motor Controls
- FC** Flow Controls
- PC** Pressure Controls
- LE** Logic Elements
- DC** Directional Controls
- MV** Manual Valves
- SV** Solenoid Valves
- PV** Proportional Valves
- CE** Coils & Electronics
- BC** Bodies & Cavities
- TD** Technical Data