

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

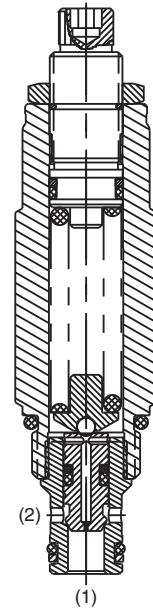
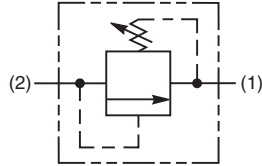
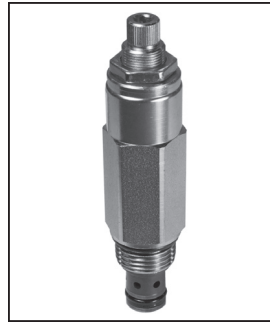
Differential Area Relief Valve. For additional information see Technical Tips on pages PC1-PC6.

Features

- Hardened, precision ground parts for durability
- Spherical poppets for low leakage
- High flow capacity
- Internal mechanical stop limits poppet travel eliminating spring solidification
- All external parts zinc plated

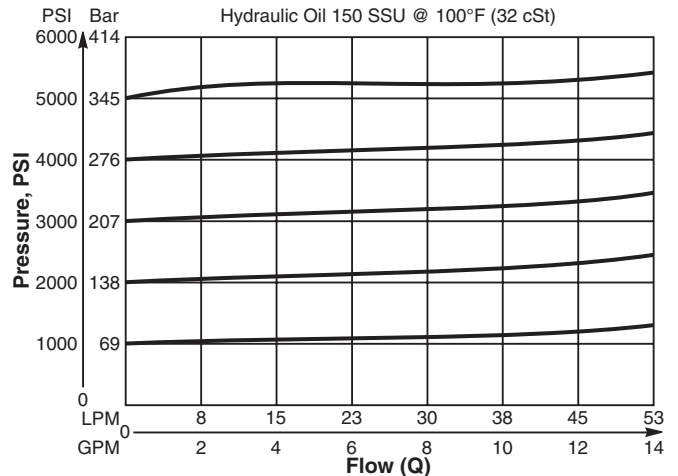
Specifications

Rated Flow	45 LPM (12 GPM)						
Maximum Inlet Pressure	380 Bar (5500 PSI)						
Maximum Pressure Setting	350 Bar (5000 PSI)						
Sensitivity: Pressure/Turn	<table style="display: inline-table; border: none;"> <tr> <td>15</td> <td>15 Bar (218 PSI)</td> </tr> <tr> <td>30</td> <td>27 Bar (396 PSI)</td> </tr> <tr> <td>50</td> <td>42 Bar (614 PSI)</td> </tr> </table>	15	15 Bar (218 PSI)	30	27 Bar (396 PSI)	50	42 Bar (614 PSI)
15	15 Bar (218 PSI)						
30	27 Bar (396 PSI)						
50	42 Bar (614 PSI)						
Maximum Tank Pressure	350 Bar (5000 PSI)						
Reseat Pressure	75% of crack pressure						
Leakage at 150 SSU (32 cSt)	10 drops/min. (.67 cc/min.) @75% of crack pressure						
Cartridge Material	All parts steel. All operating parts hardened steel.						
Operating Temp. Range/Seals	-34°C to +121°C (Nitrile) (-30°F to +250°F) -26°C to +204°C (Fluorocarbon) (-15°F to +400°F)						
Fluid Compatibility/Viscosity	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)						
Filtration	ISO-4406 18/16/13, SAE Class 4						
Approx. Weight	.19 kg (.43 lbs.)						
Cavity	C08-2 (See BC Section for more details)						
Form Tool	<table style="display: inline-table; border: none;"> <tr> <td>Rougher</td> <td>None</td> </tr> <tr> <td>Finisher</td> <td>NFT08-2F</td> </tr> </table>	Rougher	None	Finisher	NFT08-2F		
Rougher	None						
Finisher	NFT08-2F						

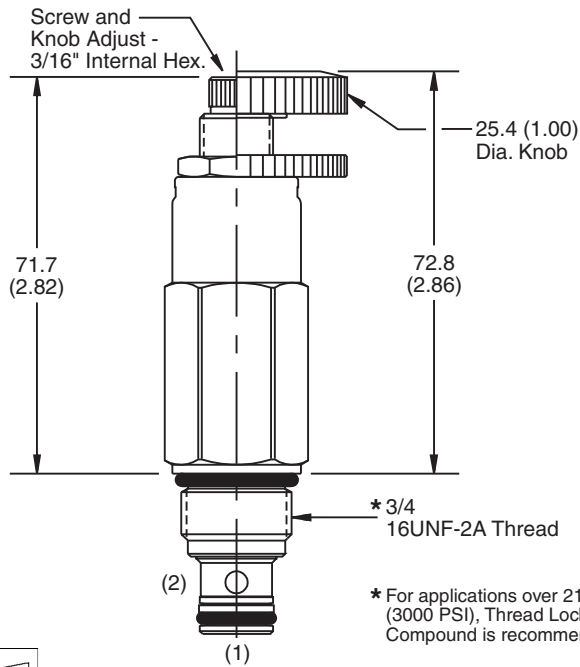


Performance Curve
Flow vs. Inlet Pressure

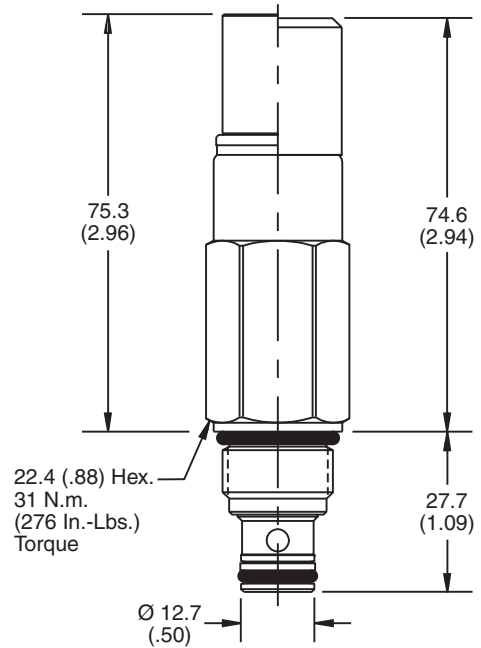
(Pressure rise through cartridge only)



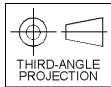
Dimensions Millimeters (Inches)



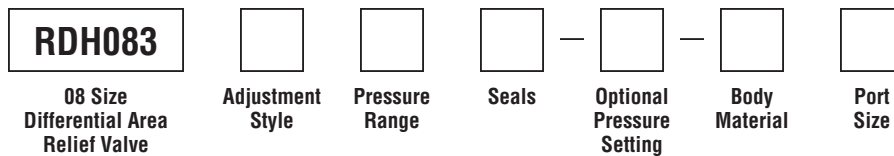
Screw/Knob Version



Fixed Cap/Tamper Resistant Version



Ordering Information



Code	Adjustment Style / Kit No.
F	Fixed style, preset at factory.
K	Knob Adjust (717784-10)
S	Screw Adjust
T	Tamper Resistant Cap (718083)

Code	Seals / Kit No.
Omit	Nitrile / (SK08-2N)
V	Fluorocarbon / (SK08-2V)

Code	Body Material
Omit	Steel
A	Aluminum

Code	Pressure Range
15	6.9 - 103 Bar (100 - 1500 PSI) Standard Setting: 51.7 Bar (750 PSI) @ crack pressure approximately .95 LPM (.25 GPM)
30	69 - 207 Bar (1000 - 3000 PSI) Standard Setting: 103 Bar (1500 PSI) @ crack pressure approximately .95 LPM (.25 GPM)
50	138 - 345 Bar (2000 - 5000 PSI) Standard Setting: 172.4 Bar (2500 PSI) @ crack pressure approximately .95 LPM (.25 GPM)

Optional Pressure Setting
Pressure ÷ 10 i.e. 235 = 2350 PSI (Omit if standard setting is used) Setting Range: 100 to 5000 PSI All settings at crack pressure, approximately .95 LPM (.25 GPM)

Code	Port Size	Body Part No.
Omit	Cartridge Only	
4T	SAE-4	(B08-2-*4T)
6T	SAE-6	(B08-2-*6T)

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

- 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