

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

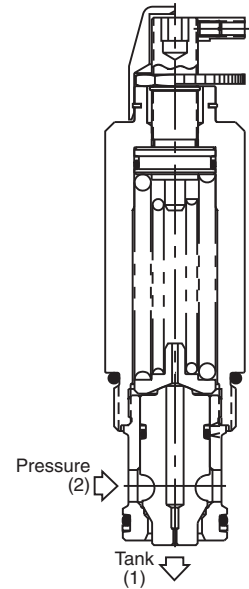
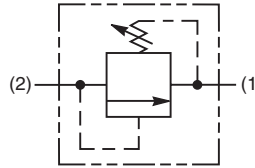
Differential Area Relief Valve. For additional information see Technical Tips on pages PC1-PC6.

Features

- Hardened, precision ground parts for durability
- Compact size for reduced space requirements
- Low leakage design
- Fast response
- All external parts zinc plated

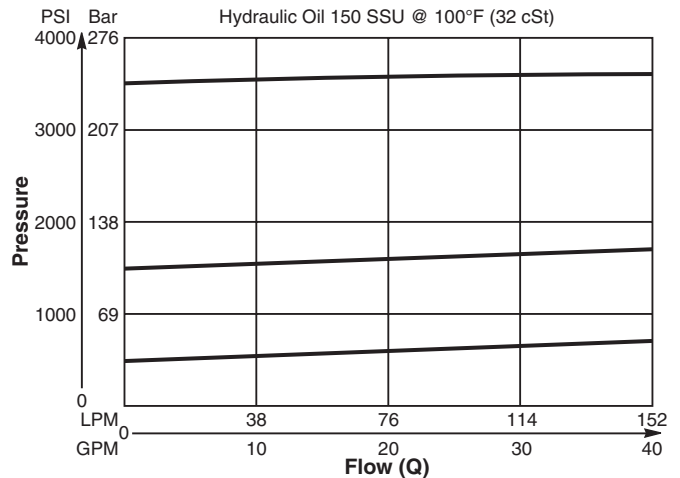
Specifications

Rated Flow	151 LPM (40 GPM)						
Maximum Inlet Pressure	240 Bar (3500 PSI)						
Maximum Pressure Setting	210 Bar (3000 PSI)						
Sensitivity: Pressure/Turn	<table style="display: inline-table; border: none;"> <tr> <td style="padding-right: 10px;">10</td> <td>7 Bar (104 PSI)</td> </tr> <tr> <td>20</td> <td>6.8 Bar (99 PSI)</td> </tr> <tr> <td>30</td> <td>14 Bar (204 PSI)</td> </tr> </table>	10	7 Bar (104 PSI)	20	6.8 Bar (99 PSI)	30	14 Bar (204 PSI)
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20	6.8 Bar (99 PSI)						
30	14 Bar (204 PSI)						
Maximum Tank Pressure	210 Bar (3000 PSI)						
Reseat Pressure	80% of crack pressure						
Leakage at 150 SSU (32 cSt)	10 drops/min. (.66 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	.23 kg (0.5 lbs.)						
Cavity	C16-2 (See BC Section for more details)						
Form Tool	<table style="display: inline-table; border: none;"> <tr> <td style="padding-right: 20px;">Rougher</td> <td>None</td> </tr> <tr> <td>Finisher</td> <td>NFT16-2F</td> </tr> </table>	Rougher	None	Finisher	NFT16-2F		
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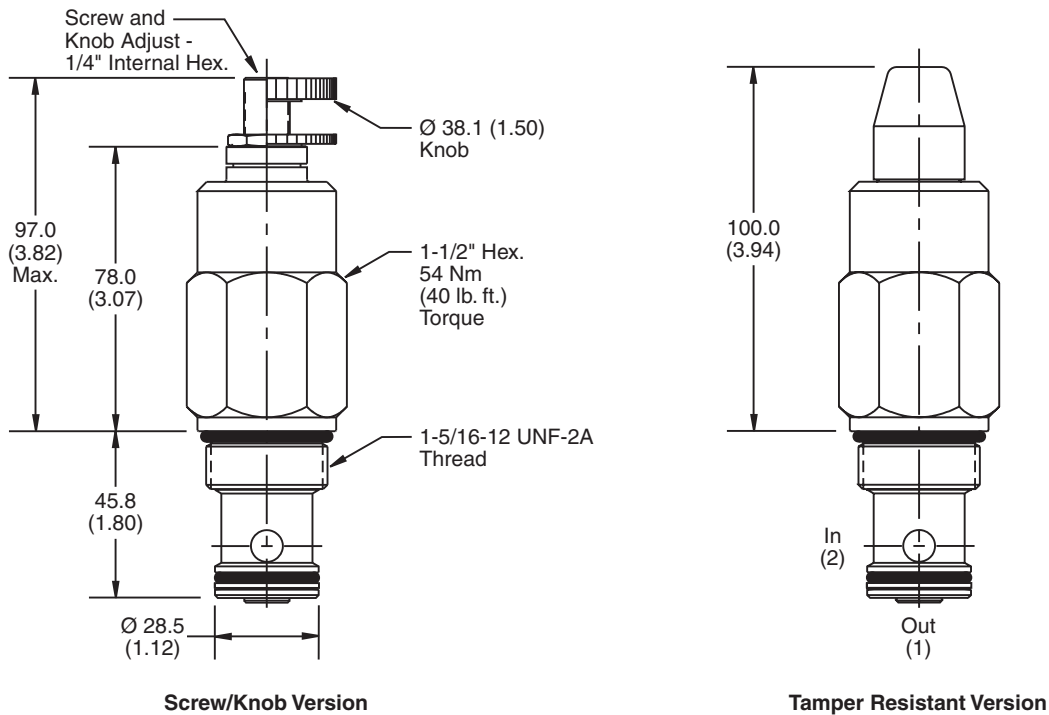


Performance Curve
Flow vs. Inlet Pressure

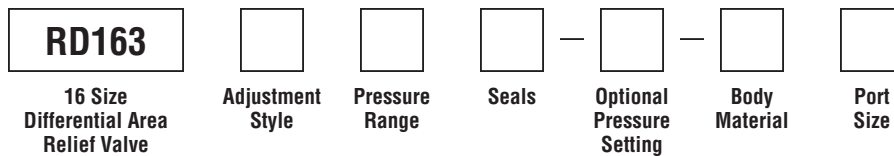
(Pressure rise through cartridge only)



Dimensions Millimeters (Inches)



Ordering Information



Code	Adjustment Style / Kit No.
K	Knob Adjust (840208K)
S	Screw Adjust
T	Tamper Resistant Cap (717783)

Code	Seals / Kit No.
Omit	Nitrile / (SK16-2)
V	Fluorocarbon / (SK16-2V)

Code	Body Material
Omit	Steel
A	Aluminum

Code	Pressure Range
10	13.8 - 69 Bar (200 - 1000 PSI) Standard Setting: 34.5 Bar (500 PSI) @ 11.3 LPM (3 GPM)
20	27.6 - 138 Bar (400 - 2000 PSI) Standard Setting: 69 Bar (1000 PSI) @ 11.3 LPM (3 GPM)
30	41.4 - 207 Bar (600 - 3000 PSI) Standard Setting: 103.5 Bar (1500 PSI) @ 11.3 LPM (3 GPM)

Optional Pressure Setting
Pressure ÷ 10 i.e. 235 = 2350 PSI (Omit if standard setting is used) Setting Range: 100 to 3000 PSI All settings at 11.3 LPM (3 GPM)

Code	Port Size	Body Part No.
Omit	Cartridge Only	
8T	SAE-8	(B16-2-*8T)
12T	SAE-12	(B16-2-*12T)
16T	SAE-16	(B16-2-*16T)

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