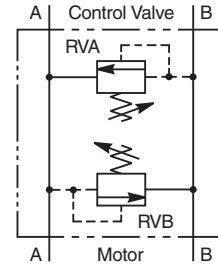
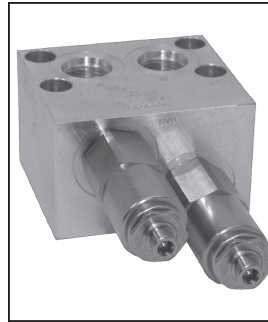


**Technical Information**

- 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**

Dual Cross-Over Relief Valve with Motor Mount. This valve provides overload and shock protection for small gerotor motors with a manifold mounting pattern, such as the Parker TB and TE series. Close coupling the valve to the motor provides ideal protection and eliminates plumbing. For additional information see Technical Tips on pages PC1-PC6.



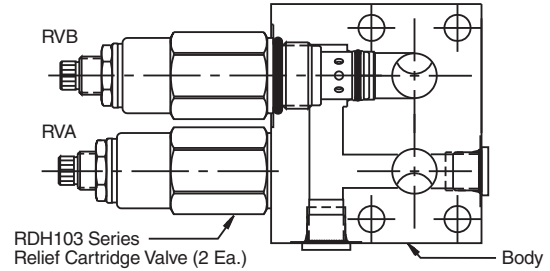
**Features**

- Fast acting differential area reliefs for high flow capacity
- Spherical poppets for low leakage
- Internal mechanical stop limits poppet travel eliminating spring solidification
- "D"-Ring eliminates backup rings
- All external parts zinc plated

**Specifications**

<b>Maximum Flow</b>	75 LPM (20 GPM)								
<b>Maximum Inlet Pressure</b>	380 Bar (5500 PSI)								
<b>Maximum Pressure Setting</b>	350 Bar (5000 PSI)								
<b>Sensitivity: Pressure/Turn</b>	<table style="border: none;"> <tr> <td style="padding-right: 10px;">10</td> <td>9.8 Bar (143 PSI)</td> </tr> <tr> <td>20</td> <td>17 Bar (246 PSI)</td> </tr> <tr> <td>30</td> <td>25.8 Bar (375 PSI)</td> </tr> <tr> <td>50</td> <td>40.6 Bar (589 PSI)</td> </tr> </table>	10	9.8 Bar (143 PSI)	20	17 Bar (246 PSI)	30	25.8 Bar (375 PSI)	50	40.6 Bar (589 PSI)
10	9.8 Bar (143 PSI)								
20	17 Bar (246 PSI)								
30	25.8 Bar (375 PSI)								
50	40.6 Bar (589 PSI)								
<b>Reseat Pressure</b>	85% of crack pressure								
<b>Leakage at 150 SSU (32 cSt)</b>	5 drops/min. (.33 cc/min.) @ 75% of crack pressure								
<b>Cartridge Material</b>	All parts steel. All operating parts hardened steel.								
<b>Body Material</b>	Steel								
<b>Operating Temp. Range/Seals</b>	-45°C to +132°C ("D"-Ring) (-50°F to +270°F) -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>	2.0 kg (4.5 lbs.)								

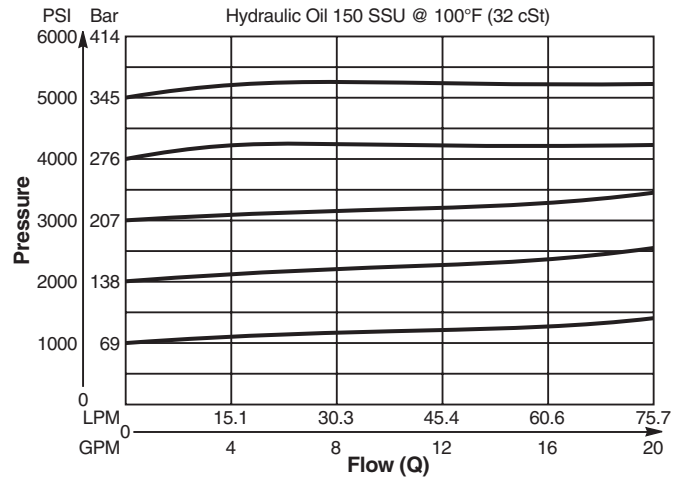
**Note:** A 6.9 Bar (100 PSI) pressure differential must be maintained between the two relief valve settings.



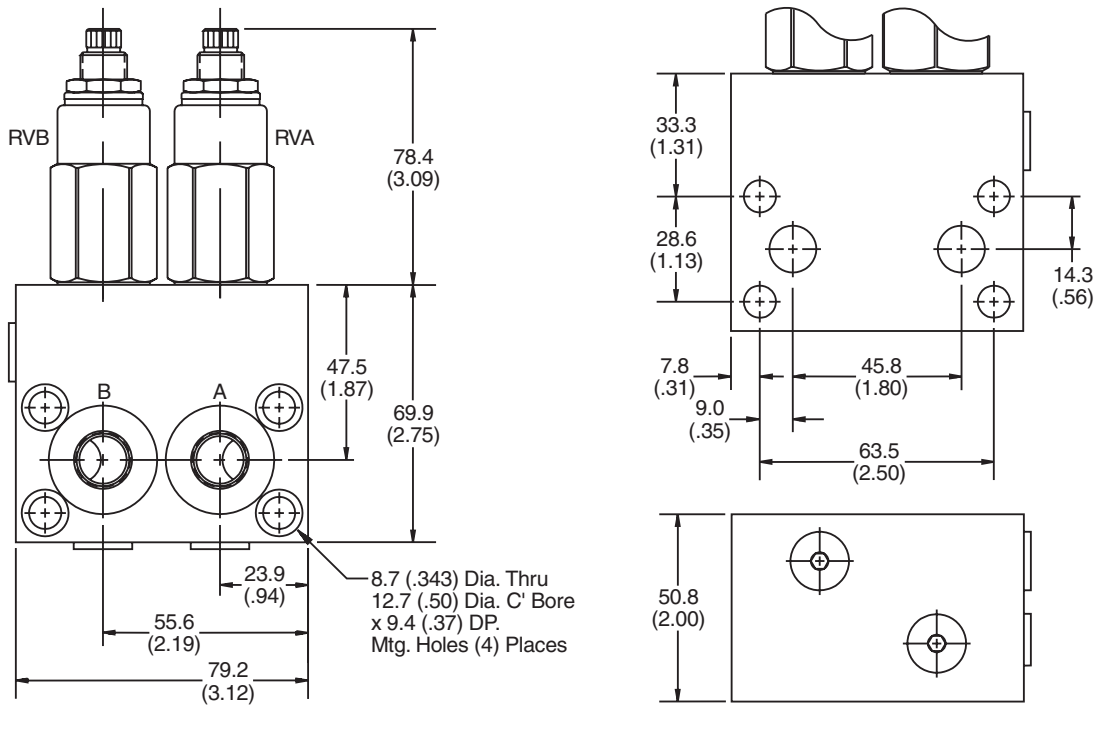
**Performance Curve**

**Flow vs. Inlet Pressure**

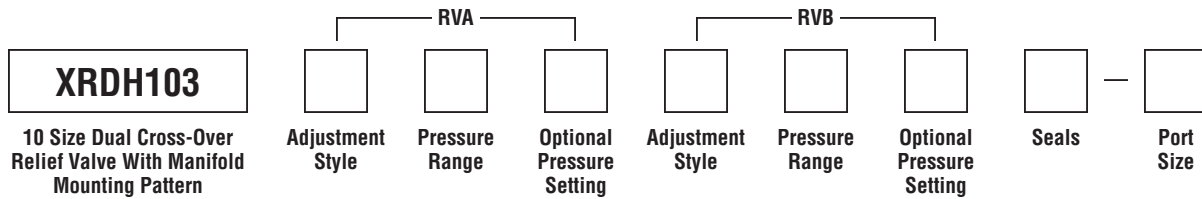
(Pressure rise through cartridge only)



**Dimensions** Millimeters (Inches)



**Ordering Information**



Code	Adjustment Style / Kit No.
F	Fixed style, preset at factory.
K	Knob Adjust (717784-10) (Requires 2)
S	Screw Adjust
T	Tamper Resistant Cap (717943) (Requires 2)

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	.95 LPM (.25 GPM)

Code	Port Size	Part No.
8T	SAE-8	830338

*Individual body requires 4 SAE 5 plugs.  
 Part number 5 HP50N-S.*

Code	Pressure Range
10	6.9 - 69 Bar (100 - 1000 PSI) Standard Setting: 34.5 Bar (500 PSI) @ .95 LPM (.25 GPM)
20	34.5 - 138 Bar (500 - 2000 PSI) Standard Setting: 69 Bar (1000 PSI) @ .95 LPM (.25 GPM)
30	34.5 - 207 Bar (500 - 3000 PSI) Standard Setting: 103.5 Bar (1500 PSI) @ .95 LPM (.25 GPM)
50	34.5 - 345 Bar (500 - 5000 PSI) Standard Setting: 172.4 Bar (2500 PSI) @ .95 LPM (.25 GPM)

Code	Seals
Omit	"D"-Ring
N	Nitrile
V	Fluorocarbon

*Note: A 6.9 Bar (100 PSI) pressure differential must be maintained between the two relief valve settings. If both reliefs are adjustable and have the same pressure range; it is not necessary to repeat the adjustment and setting.  
 i.e. XRDH10350-6T means that both A & B reliefs are screw adjustable and have a range of 34.5 - 345 Bar (500 - 5000 PSI).*