

**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**Cylinders &  
Electronics**BC**Bodies &  
Cavities**TD**Technical  
Data**General Description**

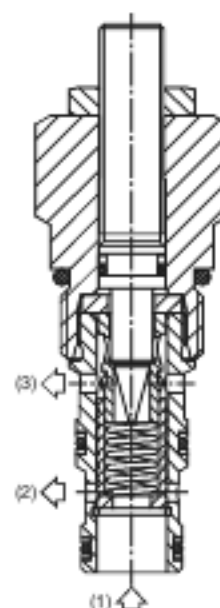
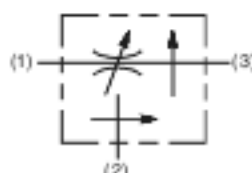
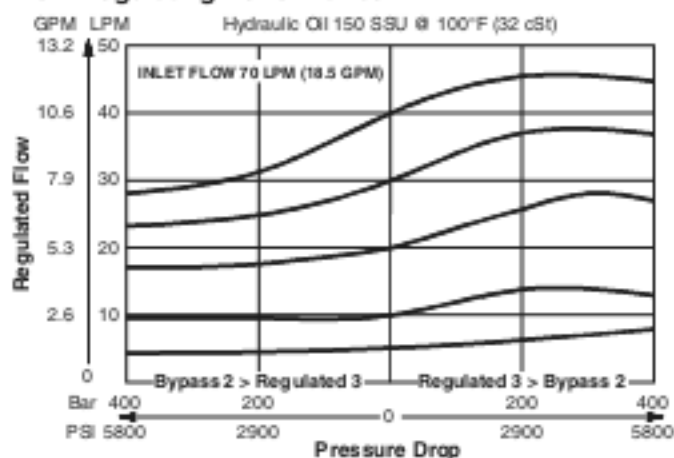
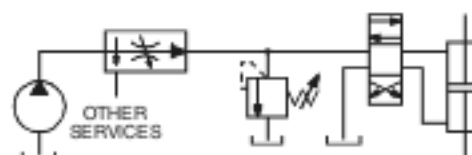
Priority Type, Pressure Compensated Flow Regulator Valve. For additional information see Technical Tips on pages FC1-FC4.

**Features**

- High flow capacity
- Good adjustment from 2-45 LPM (0.5-12 GPM)
- Used for systems requiring priority flow such as steering systems
- Hardened working parts for maximum durability
- Reverse flow function 3 to 1
- Adjustable and tamperproof versions available
- All external parts zinc plated

**Specifications**

|                                      |                                                                                                            |
|--------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Rated Flow</b>                    | 45 LPM (12 GPM)                                                                                            |
| <b>Maximum Inlet Pressure</b>        | 420 Bar (6000 PSI)                                                                                         |
| <b>Min. Operating Pressure</b>       | See Regulated Flow vs. Pressure Curve                                                                      |
| <b>Cartridge Material</b>            | All parts steel. All operating parts hardened steel.                                                       |
| <b>Operating Temp. Range/Seals</b>   | -40°C to +93.3°C (Nitrile)<br>(-40°F to +200°F)<br>-31.7°C to +121.1°C (Fluorocarbon)<br>(-25°F to +250°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 Code 16/13, SAE Class 4 or better                                                                      |
| <b>Approx. Weight</b>                | .18 kg (.40 lbs.)                                                                                          |
| <b>Cavity</b>                        | C10-3<br>(See BC Section for more details)                                                                 |
| <b>Form Tool</b>                     | Rougher NFT10-3R<br>Finisher NFT10-3F                                                                      |

**Performance Curves (Through cartridge only)****Flow Regulating Performance****Application**

Priority flow on steering circuit