

Specifications

Dual Flow Regulator, Adjustable and Pressure-Compensated, With Manual On/Unload Control and Relief

Technical Data

Max. Inlet Press. 2000 psi (140 bar)
Max. Inlet Flow 40 gpm (151 l/min)
Max. Reg. Flow 30 gpm (115 l/min)
Weight 6.8 lbs. (3,08 kg)

Materials

Body - High-strength aluminum alloy.
Internal Parts - Hardened steel.
Cartridge - Hardened steel.
Seals - Fluoroelastomer standard.

Features

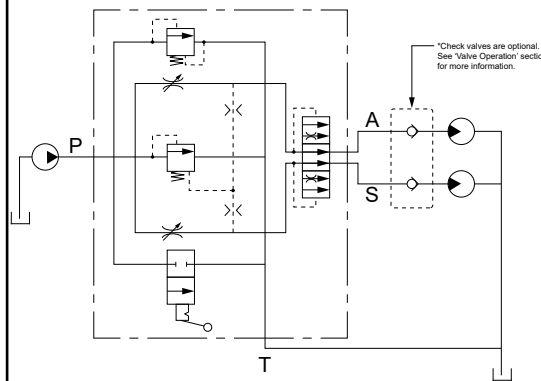
- Hone and matched hardened steel working parts for long life
- Relief protection on main line
- Rugged, dirt-tolerant and reliable
- Adjustable and detented hand knob with minimum and maximum stops. 11 positive, easy-to-adjust positions
- Fully pressure-compensated
- On/unload lever control with detented stops
- 100% performance tested

Valve Operation

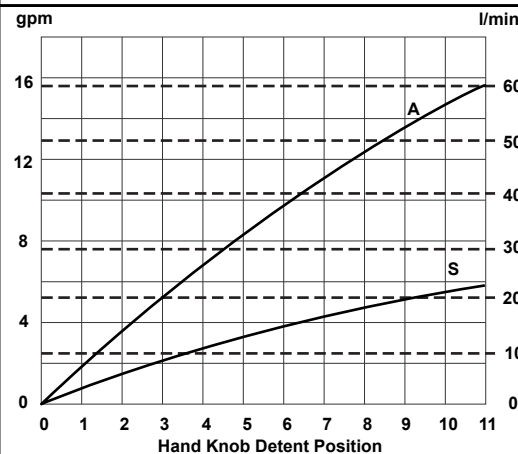
The valve maintains constant regulated flow to two actuators even with changes in load pressure or input flow. The pressure-compensated regulating section bypasses excess pump flow to tank. The pump operates at the highest load pressure plus control section pressure drop. The tank or bypass port must be referenced directly to tank and not to a working line. The direct-acting relief valve senses system pressure and protects the pump from shock or overload pressure surges. The built-in lever-operated two-way valve unloads system flow to tank.

* In the unload condition, a 125 psi (8,6 bar) check valve may be required in either the "A" port, the "S" port or both ports to reduce motor movement potential, allowing on/unload control of both regulated flows without changing either flow setting.

Typical Spreader Circuit



Δ P Curve



Regulated Flow Vs. Hand Knob Detent Positions

Dimensions

