

OPERATION

This is a compensated spreader valve with dual flow regulation and manual dump for an open circuit gear pump application. This is a direct replacement to the 2FFL12.

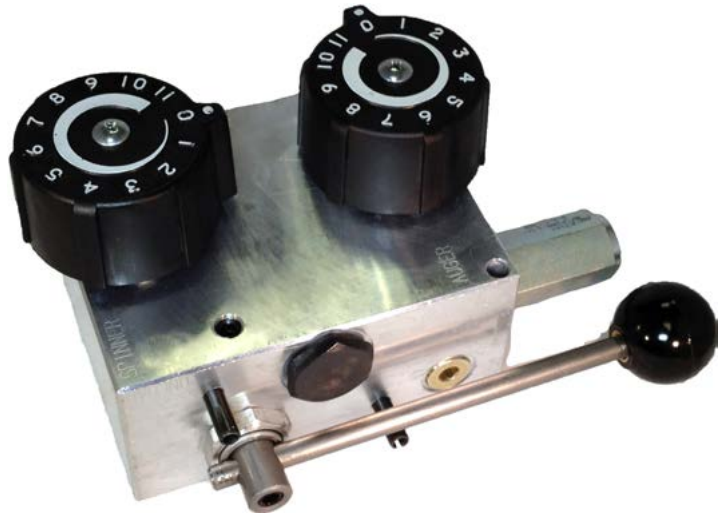
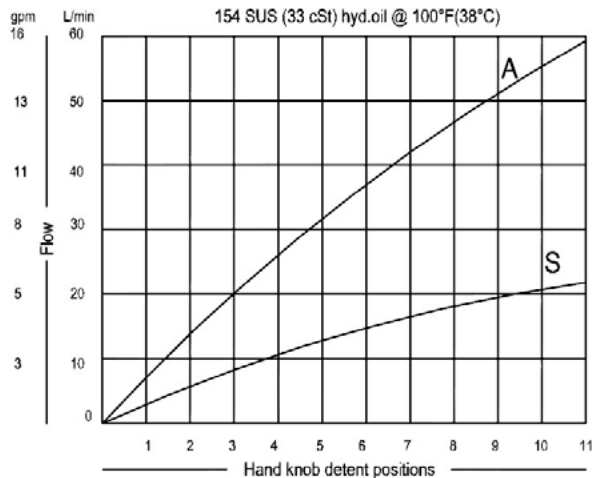
APPLICATIONS

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 dumps system flow to tank, allowing on/off control of both regulated flows without changing either flow setting. In the unload condition, an 8.6 bar [125 psi] check valve may be required in either the A port, the S port or both ports to reduce motor movement potential.

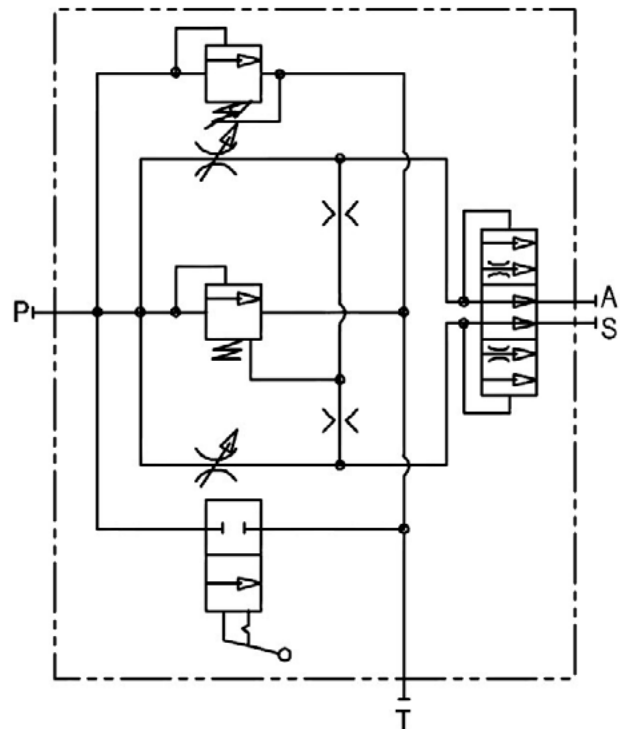
SPECIFICATIONS

Rated Pressure	138 bar [2000 psi]
Maximum Rated Flow at 7 bar [100 psi]	114 l/m [30 US gal/min]
Weight	2.62 kg [5.90 lb]

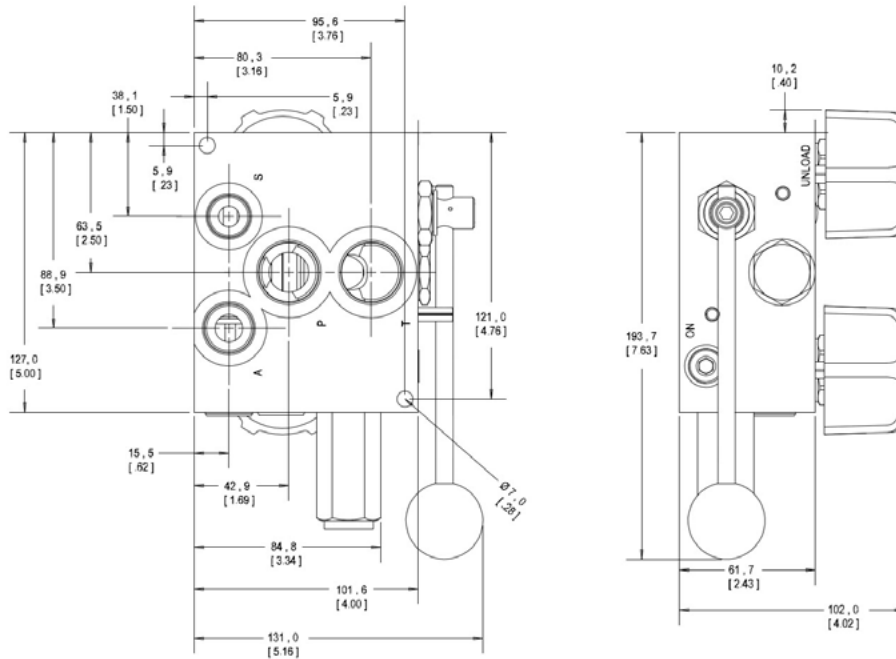
PERFORMANCE CURVE



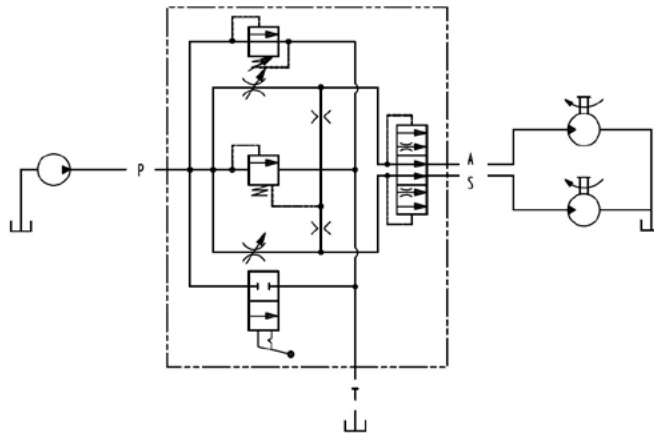
SCHEMATIC



DIMENSIONS



EXAMPLE CIRCUIT



ORDERING INFORMATION

SPR - 2FFL12 - D - 12S - 7/15 - V

Spreader Valve

Adjustment Option:
 D= Detented hand knob

Knob Kit 158B8962

Seal Kit (for 2 adjust assemblies) 158B8858

Lever Kit 158B8972

Port Size:

12S =
 12 SAE (P, T)
 10 SAE (A)
 8 SAE (S)

Relief Valve: CP200-1

Seals:

V = Viton

Regulated Flow Range:

7/15

S (Spinner) 7 = 0 - 26 LPM (0 - 7 GPM)

A (Auger) 15 = 0 - 57 LPM (0 - 15 GPM)

10/30

S (Spinner) 10 = 0 - 38 LPM (0 - 10 GPM)

A (Auger) 30 = 0 - 114 LPM (0 - 30 GPM)