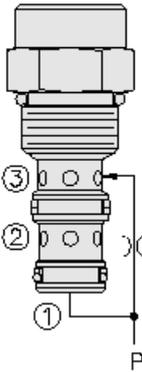




Overview



Description

This valve is a pressure - compensating element,intended for use with remote fixed or variable orifice to yield a two - port type, pressure compensated, flow - regulating hydraulic valve.

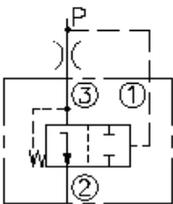
Operation

This valve maintains a constant flow rate from port 2 regardless of load pressure changes in the circuit downstream of port 2. This valve maintains a constant differential pressure from circuit point P to port 3 (see symbol), thereby regulating the hydraulic flow rate between the two points in the circuit.

Features

- Hardened parts for long life.
- Quiet, modulated response.
- Industry-common cavity.

Symbol



Ratings

Pressure Ratings

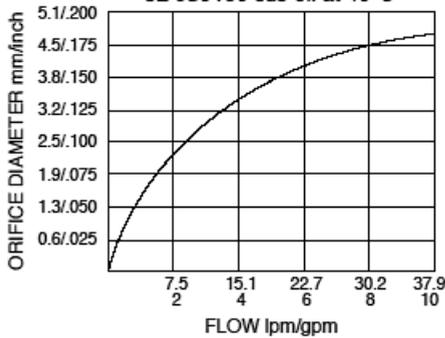
Pressure rating 207 bar (3000 psi)

Flow Ratings

Flow rating 30.3 lpm (8 gpm) - **Note:** With 80 psi spring
 Flow maintenance $\pm 10\%$ - **Note:** From 0.38 to 30.3 lpm (0.1 to 8 gpm) at pressures 5.5 to 207 bar (80 to 3000 psi)

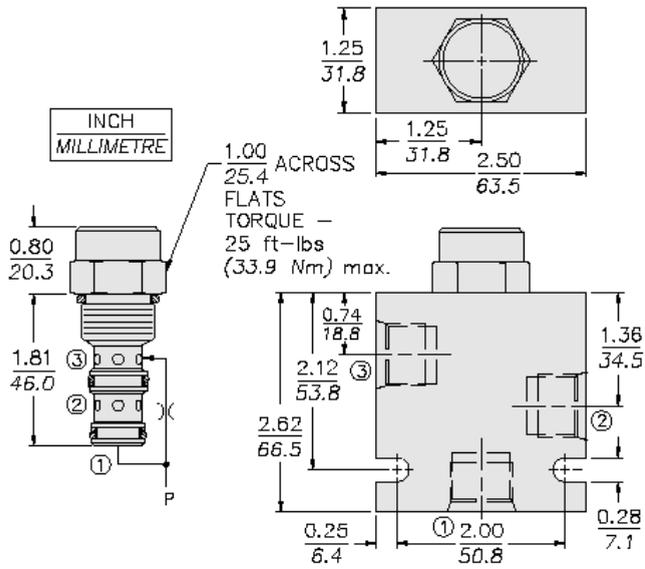
Performance

Output Flow vs. Orifice Dia.
with 80 psid Spring
32 cSt/150 sus oil at 40°C





Dimensions



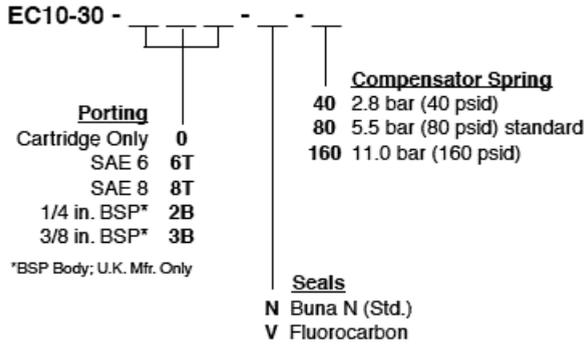
Installation Specifications

Cavity

VC10-3



Order Code



Model Options

EC10-30-H-J-R

H Line Body

CODE	DESCRIPTION
0	No Body
6T	Aluminum SAE 6
8T	Aluminum SAE 8
6TD	Ductile Iron SAE 6
8TD	Ductile Iron SAE 8
3B	Aluminum BSPP 3/8" (3)
3BD	Ductile Iron BSPP 3/8" (3)

J Seal

CODE	DESCRIPTION
N	Buna-N
V	Fluorocarbon
P	Polyurethane
U	PPDI Urethane

R Compensator Spring

CODE	DESCRIPTION
40	40 Compensator Spring
80	80 Compensator Spring
160	160 Compensator Spring