SL-PCE  ADJUSTABLE PRESSURE COMPENSATING REGULATOR VALVE

DESCRIPTION

OPERATION
The SL-PCE with an external orifice in parallel with ports (3) and (1) maintains a constant flow rate across the external orifice, regardless of load pressure changes in the system upstream of (3), or in the bypass leg at (2) as long as pressure at (2) is less than (1). The valve’s spool maintains a constant differential pressure across the external orifice, thereby regulating the hydraulic flow rate across the external orifice (see options table for pressure ranges). When used with an orifice as described above, it functions as a priority type regulator, delivering pump flow first to the external orifice, then bypassing excess to (2). All ports may be fully pressurized.

FEATURES
• Hardened parts for long life.
• Industry common cavity.

HYDRAULIC SYMBOL

PERFORMANCE
Actual Test Data (Cartridge Only)

VALVE SPECIFICATIONS
Nominal Flow 40 GPM (151 LPM)
Rated Operating Pressure 3500 PSI (241 bar)
Seat Ratio Area of Pilot is equal to the area at Port (3)
Viscosity Range 36 to 3000 SSU (3 to 647 cSt)
Filtration ISO 18/16/13
Media Operating Temp. Range -40° to 250°F (-40° to 120°C)
Weight 1.15 lbs (.52 kg)
Operating Fluid Media General Purpose Hydraulic Fluid
Cartridge Torque Requirements 90 ft-lbs (122 Nm)
Cavity SUPER 3WS
Cavity Form Tool (Finishing) 40500021
Seal Kit 21191406

WARNING: the specifications/application data shown in our catalogs and data sheets are intended only as a general guide for the product described (herein). Any specific application should not be undertaken without independent study, evaluation, and testing for suitability.

Can be used as an adjustable logic element. Great as an adjustable pressure setting regulation device in brake, transmission & cooling systems. Because the spring chamber is separately drained, the outlet flow can be used for lower pressure functions. For fixed version see SL-PCA-0P. For higher spring differential pressure ranges consult factory.
### DIMENSIONS

![Diagram of mechanical pressure control](image)

**Body Weight:** 1.89 lbs (.86 kg)

### ORDERING INFORMATION

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**PRESSURE RANGE/SETTING**

- 0300
- Tamper Proof
- Fill in 4 Digit Pressure Setting
- Example: 0200 - 200 PSI

**OPTIONS**

- Buna Standard 00
- Viton Standard V0
- Buna, Knob 0K
- Viton, Knob VK
- Buna, Internal Adjust 0I
- Viton, Internal Adjust V1
- Buna, Tamper Proof 0T
- Viton, Tamper Proof VT

**BODIES**

- Blank S
- Without Body #12 SAE Ports

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