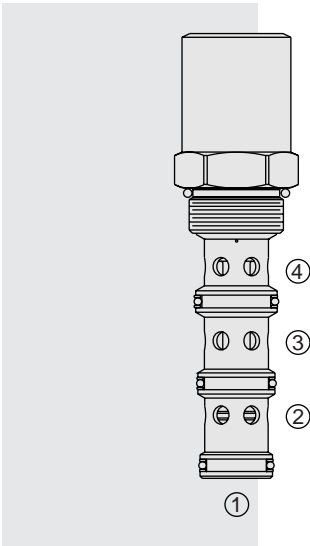


# EC16-43 Pressure Compensator



### DESCRIPTION

A screw-in, cartridge-style, **priority on-demand**, pressure-compensator with dynamic load sense. It is intended to provide priority flow in the required amount while allowing excess flow to be used for auxiliary functions.

### OPERATION

With inlet flow at ③, the **EC16-43** will deliver required priority flow at ④, regardless of load pressure. Excess flow exits at ②. Port ① is the load sense port. All ports may be fully pressurized.

### FEATURES

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

### RATINGS

**Maximum Operating Pressure:** Inlet: 240 bar (3500 psi)

**Maximum Input Flow:** 190 lpm (50 gpm)

**Maximum Priority Flow Rate:** 95 lpm (25 gpm)

**Flow Maintenance:** see performance chart

**Temperature:** -40 to 120°C with Buna N seals

**Filtration:** See page 9.010.1

**Fluids:** Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus); See Temperature and Oil Viscosity, page 9.060.1

**Installation:** No restrictions; See page 9.020.1

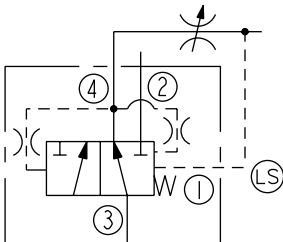
**Cavity:** VC16-4; See page 9.116.1

**Cavity Tool:** CT16-4-XXX; See page 8.600.1

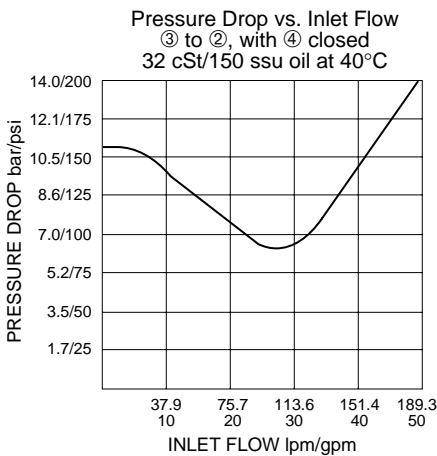
**Seal Kit:** SK16-4X-MMM; See page 8.650.1

### SYMBOLS

#### USASI/ISO:



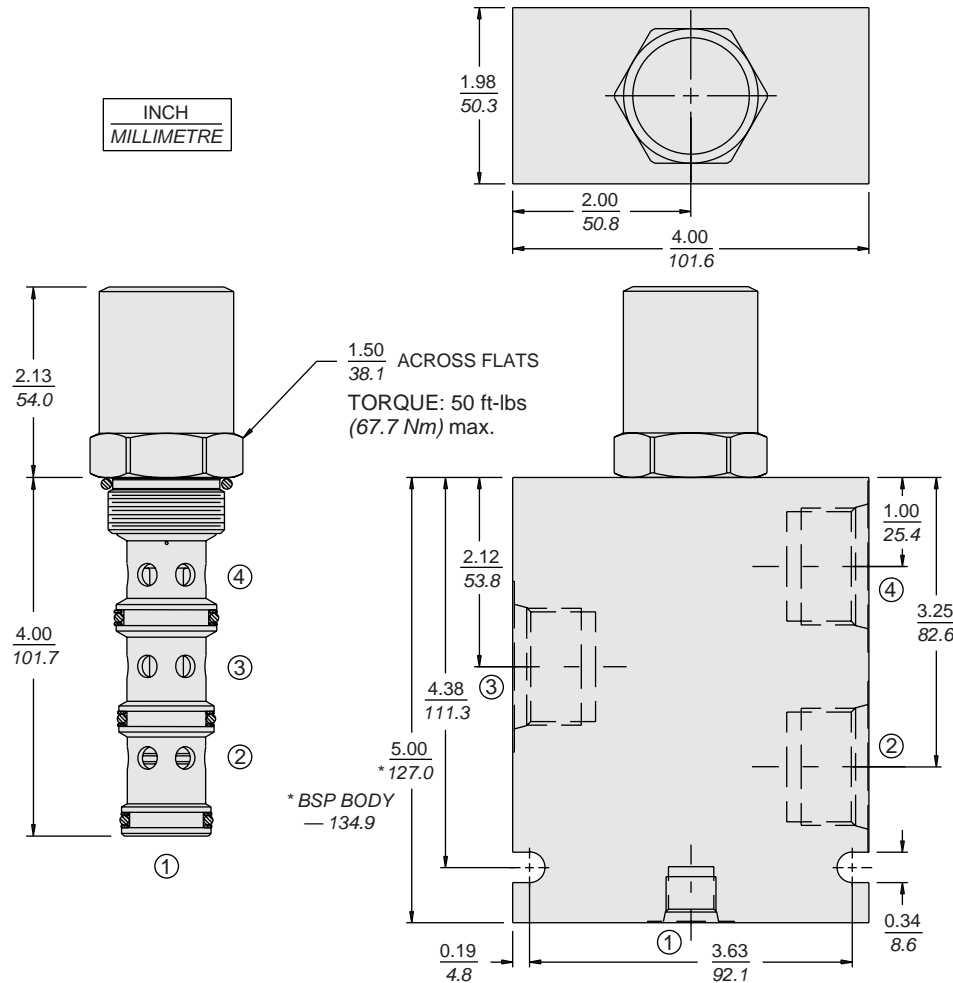
### PERFORMANCE (Cartridge Only)



with Dynamic Load Sense

EC16-43

**DIMENSIONS**



**MATERIALS**

**Cartridge:** Weight: 0.56 kg. (1.23 lbs.)  
Steel with hardened work surfaces.  
Zinc-plated exposed surfaces.  
Buna N O-rings and polyester  
elastomer back-ups standard.

**Standard Ported Body:** Weight:  
1.50 kg. (3.30 lbs.) Anodized high-  
strength 6061 T6 aluminum alloy,  
rated to 207 bar (3000 psi). Ductile  
iron bodies available; dimensions  
may differ. See page 8.016.1.

**TO ORDER**

**EC16-43 - - -**

<b>Porting</b>	0	<b>Compensator Spring</b>
Cartridge Only	12T	80 5.51 bar (80 psid)
SAE 12; Port 1: SAE 6	16T	150 10.34 bar (150 psid)
SAE 16; Port 1: SAE 6		
		<b>Seals</b>
		N Buna N (Std.)
		V Fluorocarbon