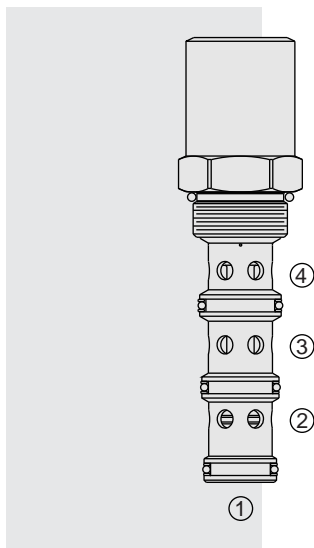


## EC16-43 Pressure Compensator



### 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

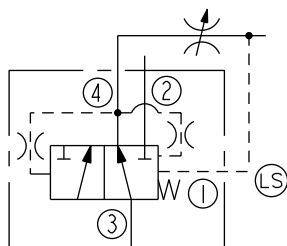
**Cavity:** VC16-4; See page 9.116.1

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

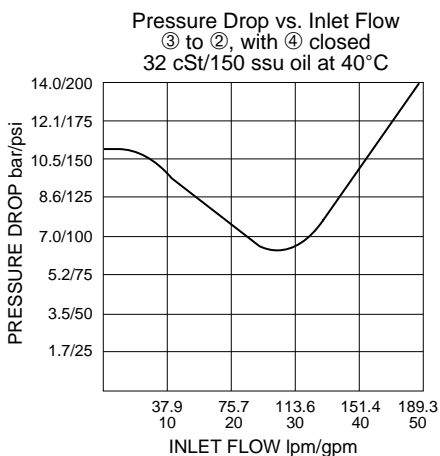
**Seal Kit:** SK16-4X-MMM; See page 8.650.1

### SYMBOLS

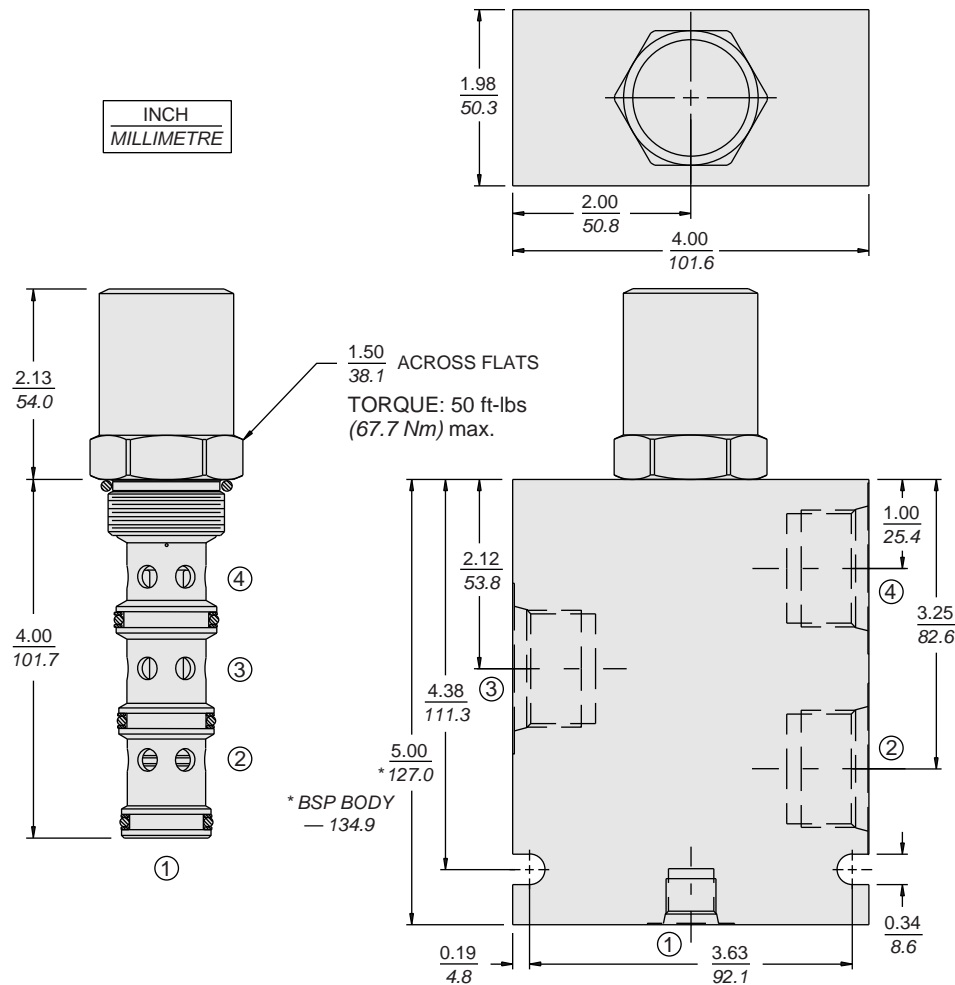
#### USASI/ISO:



### PERFORMANCE (Cartridge Only)



**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**

<b>EC16-43 -</b>			
<b>Porting</b>		<b>Compensator Spring</b>	
Cartridge Only	<b>0</b>	<b>80</b>	5.51 bar (80 psid)
SAE 12; Port 1: SAE 6	<b>12T</b>	<b>150</b>	10.34 bar (150 psid)
SAE 16; Port 1: SAE 6	<b>16T</b>		
		<b>Seals</b>	
		<b>N</b>	Buna N (Std.)
		<b>V</b>	Fluorocarbon