

**Technical Information**

- CV** Check Valves
- SH** Shuttle Valves
- LM** Load/Motor Controls
- FC** Flow Controls
- PC** Pressure Controls
- LE** Logic Elements
- DC** Directional Controls
- MV** Manual Valves
- SV** Solenoid Valves
- PV** Proportional Valves
- CE** Coils & Electronics
- BC** Bodies & Cavities
- TD** Technical Data

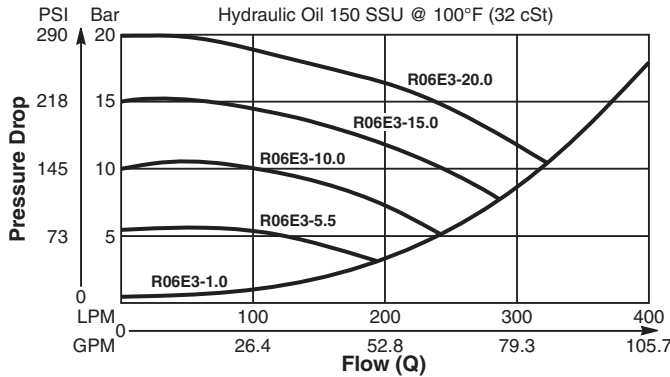
**General Description**

Spool Type , Normally Closed, Pilot to Close Logic Element. For additional information see Technical Tips on pages LE1-LE6.

**Features**

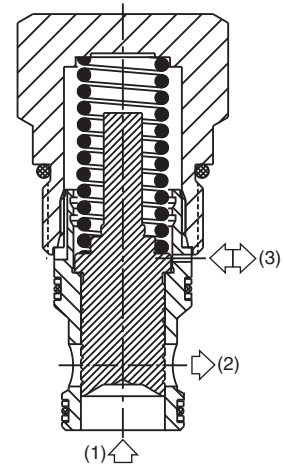
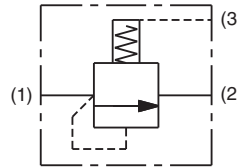
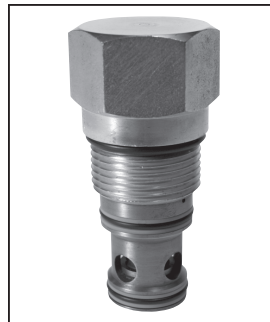
- High flow capacity
- Used as high flow switching or metering element
- Can be used as bleed off style pressure compensated flow regulator when used with restrictor
- More stable than poppet type
- Various switching pressures available
- 1:1 pilot pressure ratio
- Hardened working parts for maximum durability
- All external parts zinc plated

**Performance Curve** (Through cartridge only)  
**Vented Open Pressure Drop vs. Flow 1 to 2**

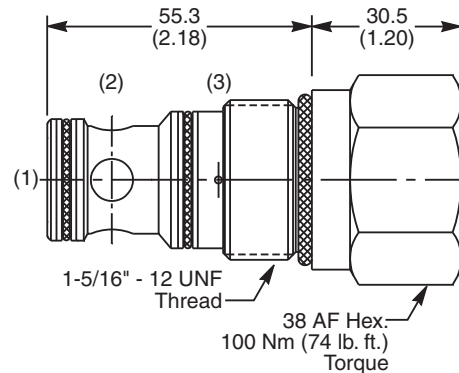


**Specifications**

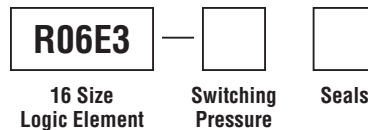
<b>Rated Flow</b>	400 LPM (106 GPM)
<b>Nominal Flow @ 7 Bar (100 PSI)</b>	270 LPM (71 GPM)
<b>Maximum Inlet Pressure</b>	420 Bar (6000 PSI)
<b>Leakage @ 150 SSU (32 cst)</b>	90 ml/min. @ 100 Bar (1450 PSI)
<b>Switching Press.</b>	See ordering information
<b>Cartridge Material</b>	All parts steel. All operating parts hardened steel.
<b>Operating Temp. Range/Seals</b>	-34°C to +121°C (Nitrile) (-30°F to +250°F) -26°C to +204°C (Fluorocarbon) (-15°F to +400°F)
<b>Fluid Compatibility/Viscosity</b>	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
<b>Filtration</b>	ISO-4406 18/16/13, SAE Class 4
<b>Approx. Weight</b>	.38 kg (.84 lbs.)
<b>Cavity</b>	C16-3S (See BC Section for more details)
<b>Form Tool</b>	Rougher NFT16-3SR Finisher NFT16-3SF



**Dimensions** Millimeters (Inches)



**Ordering Information**



Code	Switching Pressure Non Adjustable Preset
1.0	1.0 Bar (14.5 PSI)
5.5	5.5 Bar (80 PSI) Std.
10.0	10.0 Bar (145 PSI)
15.0	15.0 Bar (218 PSI)
20.0	20.0 Bar (290 PSI)

Code	Seals / Kit. No.
N	Nitrile, Buna-N (Std.) / (SK30508N-1)
V	Fluorocarbon / (SK30508V-1)

*If no switching pressure is specified, valve will be supplied as R06E3-5.5N*