General Description

Poppet Type, Bi-Directional, Normally Closed, Pilot to Close Logic Element. For additional information see Technical Tips on pages LE2-LE7.

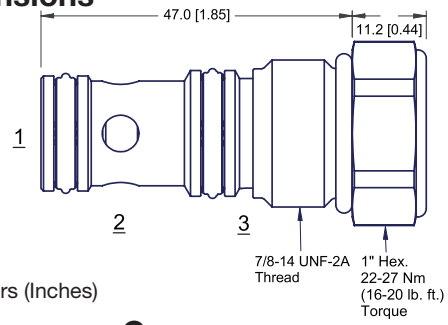
Features

- Hardened, precision ground parts for durability
- Low leakage design
- All external parts zinc plated
- Port 2 to 1 is the preferred flow path
- "D"-Ring eliminates backup rings

Specifications

Rated Flow	57 LPM (15 GPM)
Maximum Inlet Pressure	350 Bar (5000 PSI)
Leakage at 150 SSU (32 cSt)	5 drops/min. (.33 cc/min.) @ 240 Bar (3500 PSI)
Cartridge Material	All parts steel. All operating parts hardened steel.
Operating Temp. Range/Seals	-37°C to +93°C ("D"-Ring) (-35°F to +200°F) -34°C to +121°C (Nitrile) (-30°F to +250°F) -26°C to +204°C (Fluorocarbon) (-15°F to +400°F)
Fluid Compatibility/ Viscosity	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
Filtration	ISO-4406 18/16/13, SAE Class 4
Approx. Weight	0.14 kg (0.3 lbs.)
Cavity	C10-3S (See BC Section for more details)

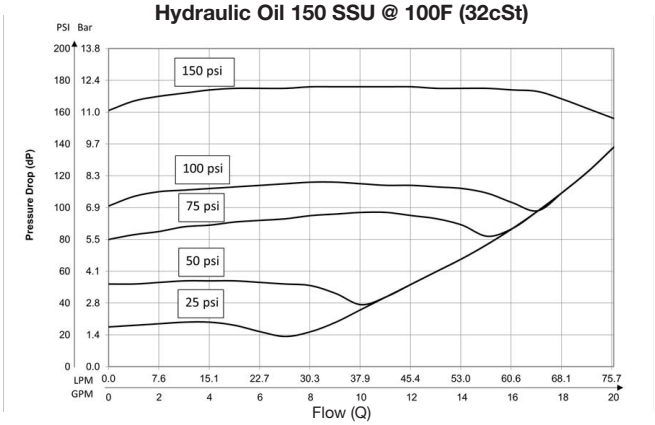
Dimensions



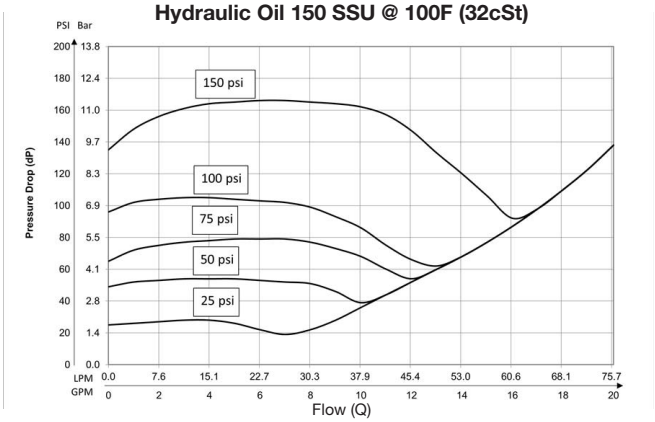
Millimeters (Inches)

Performance Curves

Pressure Drop, P2-P1 vs. Flow (Through cartridge only)
Hydraulic Oil 150 SSU @ 100F (32cSt)



Pressure Drop, P1-P2 vs. Flow (Through cartridge only)
Hydraulic Oil 150 SSU @ 100F (32cSt)



Ordering Information

LE101A	
10 Size Logic Element	**Bias Spring**

Highlighted represents preferred options that offer the shortest lead times. Other options may be available, but at extended lead times.

Code	Bias Spring
02	1.7 Bar (25 PSI)
04	3.5 Bar (50 PSI)
05	5.2 Bar (75 PSI)
07	**6.9 Bar (100 PSI)**
10	**10.3 Bar (150 PSI)**

Code	Seals
Omit	**"D-Ring"**

Kit	Part Number
D-Ring Seal	SK10-3S
Nitrile Seal	SK10-3S
Fluorocarbon Seal	SK10-3SV