

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

Cyls &
Electronics

BC

Bodies &
Cavities

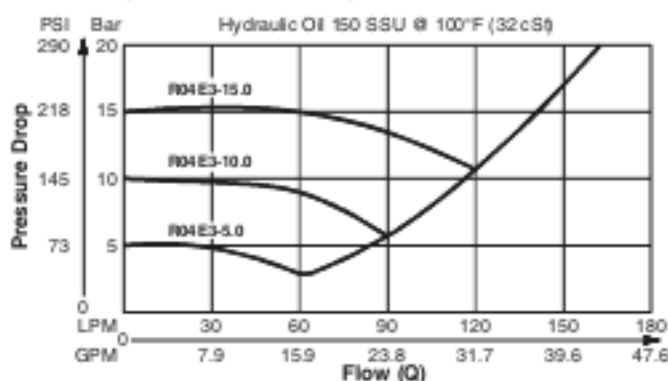
TD

Technical
Data**General Description**

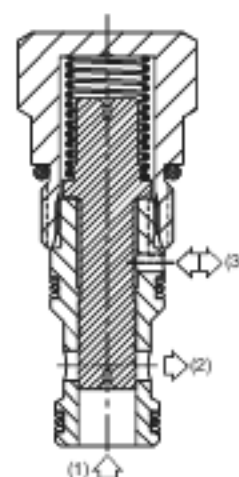
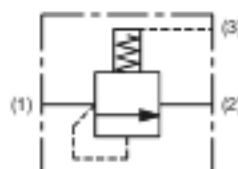
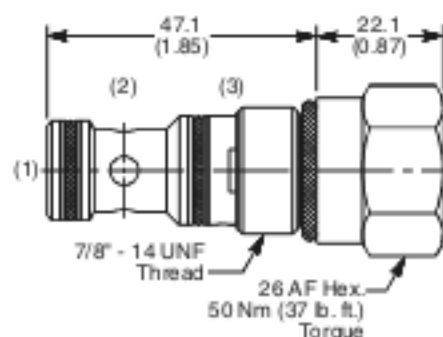
Spool Type, Normally Closed, Pilot to Close Logic Element. For additional information see Technical Tips on pages LE1-LE6.

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**

Rated Flow	170 LPM (45 GPM)
Nominal Flow @ 7 Bar (100 PSI)	100 LPM (26 GPM)
Maximum Inlet Pressure	420 Bar (6000 PSI)
Leakage @ 150 SSU (32 cst)	50 ml/min. @ 100 Bar (1450 PSI)
Switching Press.	See ordering information
Cartridge Material	All parts steel. All operating parts hardened steel.
Operating Temp. Range/Seals	-40°C to +93.3°C (Nitrile) (-40°F to +200°F) -31.7°C to +121.1°C (Fluorocarbon) (-25°F to +250°F)
Fluid Compatibility/Viscosity	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
Filtration	ISO Code 16/13, SAE Class 4 or better
Approx. Weight	.14 kg (.31 lbs.)
Cavity	C10-3S (See BC Section for more details)
Form Tool	Rougher NFT10-3SR Finisher NFT10-3SF

**Dimensions** Millimeters (Inches)**Ordering Information****R04E3**10 Size
Logic ElementSwitching
Pressure

Seals

Code	Switching Pressure Non Adjustable Preset
1.0	1.0 Bar (14.5 PSI)
5.0	5.0 Bar (73 PSI) Std.
10.0	10.0 Bar (145 PSI)
15.0	15.0 Bar (218 PSI)
20.0	20.0 Bar (290 PSI)

If no switching pressure is specified,
valve will be supplied as R04E3-5.0N

Code	Seals / Kit. No.
N	Nitrile, Buna-N (Std.) / (SK30504N-1)
V	Fluorocarbon / (SK30504V-1)