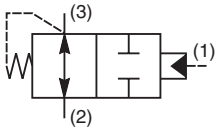
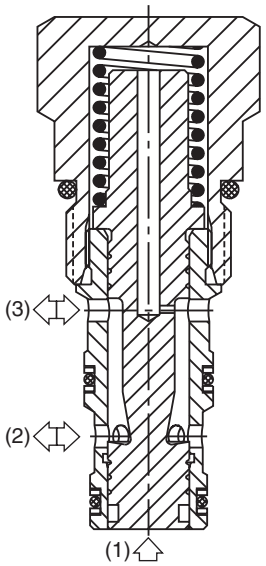
General Description

Diverter Valve, Normally Open, Pilot to Close Vent and Pressure Compensating Flow Control Element.

Features

- Two switching and one compensating spring available
- Very accurate flow regulation when used with separate orifice
- Sealed pilot option available
- Industry common cavity
- Hardened working parts for maximum durability
- All external parts zinc plated



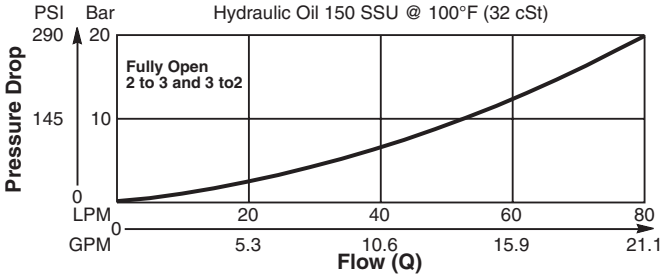


Specifications

Rated Flow	80 LPM (21 GPM)
Nominal Flow @ 7 Bar (100 PSI)	**Diverter** - 40 LPM (10 GPM) **Compensator -** See Application
Maximum Inlet Pressure	420 Bar (6000 PSI)
Pilot Switching Pressure	See ordering information
Cartridge Material	All parts steel. All operating parts hardened steel.
Operating Temp. Range/Seals	-40°C to +93.3°C (Nitrile, Buna-N) (-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	.15 kg (.33 lbs.)
Cavity	C10-3 (See BC Section for more details)

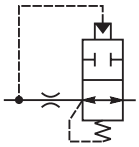
Performance Curve

Diverting Pressure Drop (Through cartridge only)

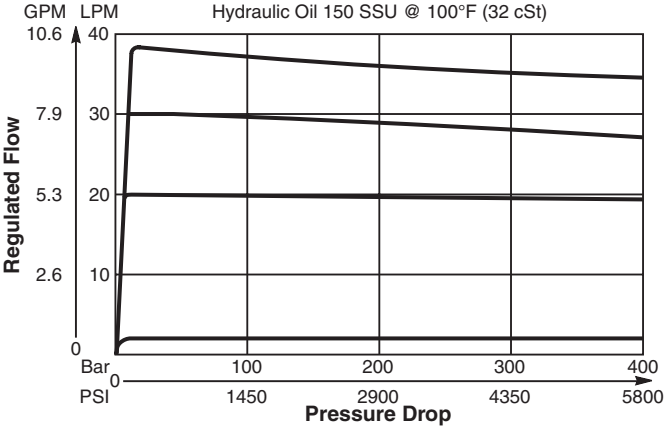


Application

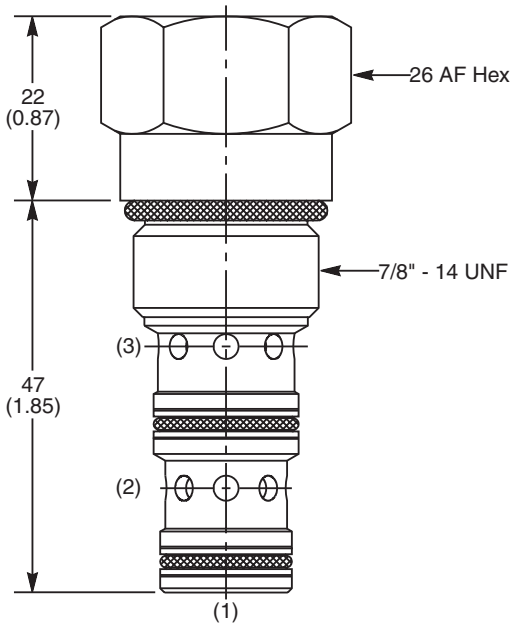
Compensator Circuit



Compensating Flow Regulation Performance 3 to 2



Dimensions Millimeters (Inches)



Ordering Information

R04C3 — [ ] [ ] [ ] — [ ] [ ]

10 Size Diverter Valve | **Pilot Switching Pressure** | **Seals** | **Sealed Pilot** | **Body Material** | **Port Size**

Code	Switching Pressure
For Switching	
5.0	5.0 Bar (73 PSI) Std.
10.0	10.0 Bar (145 PSI)
For Flow Regulation	
7.7	7.7 Bar (112 PSI)

If no switching pressure is specified, valve will be supplied as R04C3-5.0N

Code	Seals / Kit No.
N	Nitrile, Buna-N / (SK30505N-1)
V	Fluorocarbon / (SK30505V-1)

Code	Sealed Pilot
Omit	If not required
S	Sealed Pilot

Code	Body Material
Omit	Steel
A	Aluminum

Code	Port Size	Body Part No.
Omit	Cartridge Only	
4P	1/4″ NPTF	(B10-3-*4P)
6P	3/8″ NPTF	(B10-3-*6P)
8P	1/2″ NPTF	(B10-3-*8P)
6T	SAE-6	(B10-3-*6T)
8T	SAE-8	(B10-3-*8T)
6B	3/8″ BSPG	(B10-3-6B)†
8B	1/2″ BSPG	(B10-3-*8B)

**** Add "A" for aluminum, omit for steel.***
† Steel bodies only.