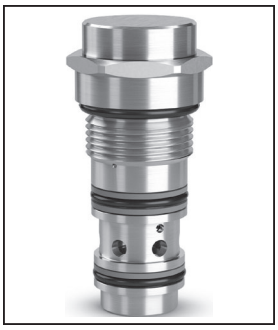
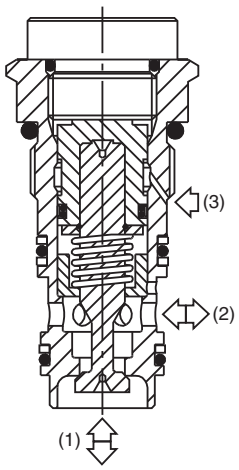
General Description

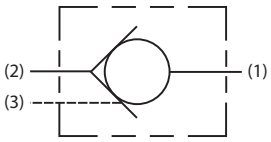
Pilot to Open, Poppet Type Check Valve. For additional information see Technical Tips on pages CV1-CV2.

Features

- Hardened poppet for maximum durability
- High flow capacity
- Low leakage - less than 3 drops/min.
- Sealed pilot
- Good contamination tolerance
- Cavity commonality with load control valves
- Dual line blocks available
- All external parts zinc plated

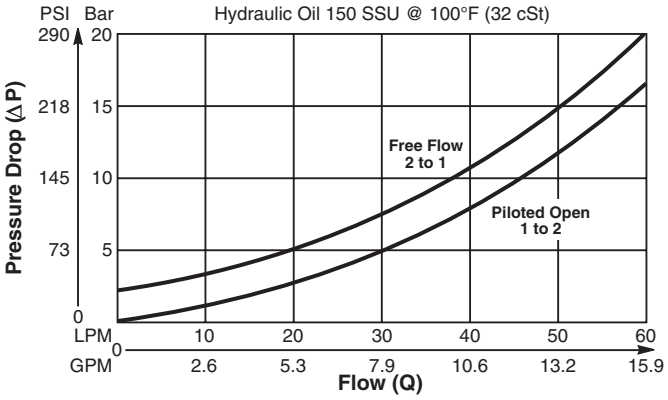






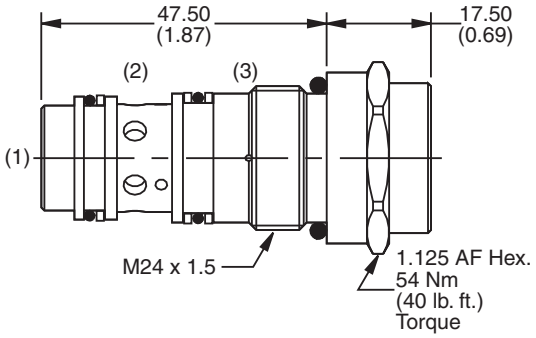
Performance Curve

Pressure Drop vs. Flow (Through cartridge only)



Dimensions

Millimeters (Inches)



Specifications

Rated Flow	60 LPM (16 GPM)
Nominal Flow @ 7 Bar (100 PSI)	32 LPM (8.5 GPM) (Piloted Open)
Maximum Inlet Pressure	420 Bar (6000 PSI)
Leakage at 150 SSU (32 cSt)	Less than 3 drops/min.
Cracking Pressure	3 Bar (43.5 PSI)
Pilot Ratio	4:1
Cartridge Material	Steel operating parts, hardened steel poppet.
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	.15 kg (.33 lbs.)
Cavity	68-1 (See BC Section for more details)

Ordering Information

D4A040	N
Check Valve	Seals

Order Bodies Separately
See section BC

LB10		S
Line Body	Porting	Body Material

Code	Seals / Kit No.	Operating Temp.
N	Nitrile, Buna-N / (SK30059N-1)	-34°C to +121°C (-30°F to +250°F)

Code	Porting
251	1/2″ BSP (main) 1/4″ BSP (aux)
259	1/2″ BSP Dual Cavity

Code	Body Material
S	Steel

Parker Hannifin Corporation
Mobile Hydraulic Systems Division Europe