

Technical Information

General Description

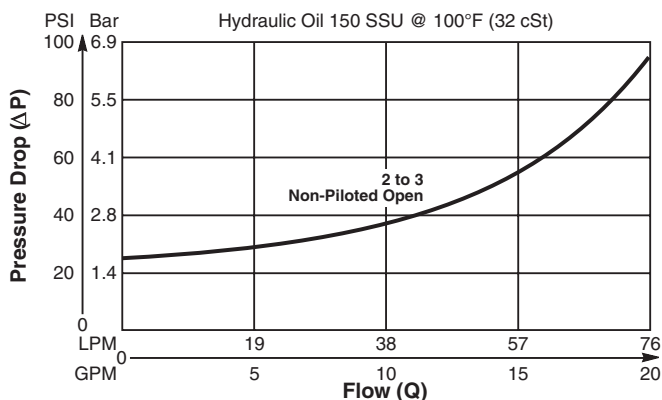
Cartridge Style Pilot Operated Check Valve. For additional information see Technical Tips on pages CV1-CV4.

Features

- Hardened, precision ground parts for durability
- Internal pilot position simplifies manifold design
- All external parts have yellow zinc dichromate. This coating is ideal for salt spray applications.

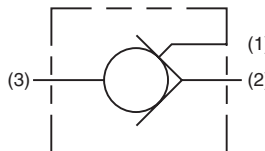
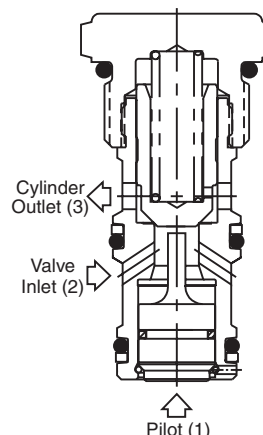
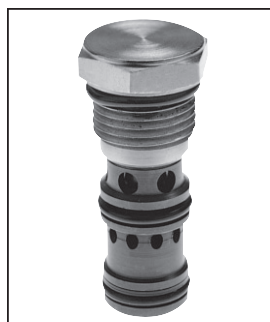
Performance Curve

Pressure Drop vs. Flow (Through cartridge only)

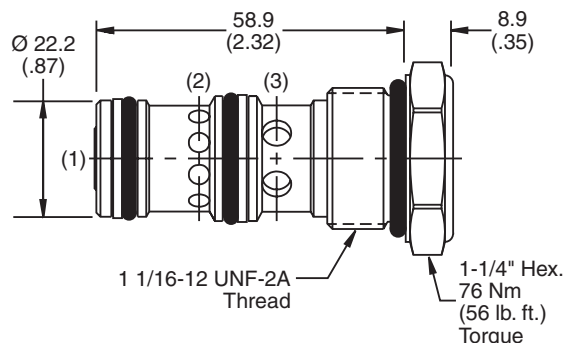


Specifications

Rated Flow	75 LPM (20 GPM)
Maximum Inlet Pressure	350 Bar (5000 PSI)
Leakage at 150 SSU (32 cSt)	5 drops/min. (.33 cc/min.) at 350 Bar (5000 PSI)
Pilot Ratio	3:1
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	0.2 kg (.44 lbs.)
Cavity	C12-3 (See BC Section for more details)
Form Tool	Rougher NFT12-3R Finisher NFT12-3F



Dimensions Millimeters (Inches)



Ordering Information

CPH124P [] [] [] [] []
 12 Size Cracking Seals Body Port
 P.O. Check Valve Pressure Material Size

Code	Cracking Pressure
Omit	1.7 Bar (25 PSI)

Code	Body Material
Omit	Steel
A	Aluminum

Code	Seals / Kit No.
Omit	Nitrile / (SK12-3)
V	Fluorocarbon / (SK12-3V)

Code	Port Size	Body Part No.
Omit	Cartridge Only	
8T	SAE-8	(B12-3-*8T)
12T	SAE-12	(B12-3-*12T)
8B	1/2" BSPG	(B12-3-8B)†

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