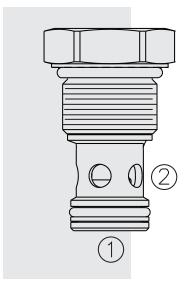
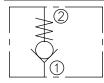
HCV12-20 HyPerformance[™] Check Valve



ISO SYMBOL



DESCRIPTION

A screw-in, cartridge-style, hydraulic check valve for use as a blocking or load-holding device for high pressure applications.

OPERATION

The **HCV12-20** allows flow passage from 1 to 2, while normally blocking oil flow in the opposite direction.

The cartridge has a fully guided check which is spring-biased closed until sufficient pressure is applied at 1 to open to 2.

FEATURES

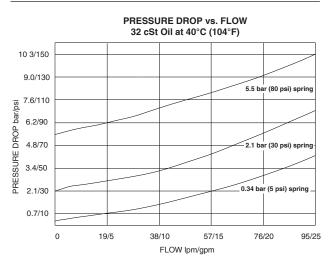
- Hardened seat for long life and low leakage.
- Optional bias springs for back-pressure application flexibility.
- Fully guided check assembly.
- Cost effective cavity.
- All HyPerformance products are tested to the rigorous standards of the NFPA specification T2.6.1.
- All HyPerformance valves are tested at a verification level of 90% and an assurance of 99%.

RATINGS

Operating Pressure: 350 bar (5075 psi) 10% cycle life: 420 bar (6090 psi)
Fatigue Rating: Two million cycles at 420 bar (6090 psi)
Cycle Life: One million cycles
Proof Pressure: 420 bar (6090 psi)
Burst Pressure: 1380 bar (20000 psi)
Flow: 95 lpm (25 gpm)
Internal Leakage: 0.25 ml/minute (5 drops/minute) max. at 350 bar (5075 psi)
Operating Temperature: -54° to 107°C (-65° to 225°F) with PPDI Urethane seals
Filtration: See page 9.010.1
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus); See Temperature and Oil Viscosity, page 9.060.1
Installation: No restrictions; See page 9.020.1
Cavity Tool: HCT12-2XX; See page 8.600.1

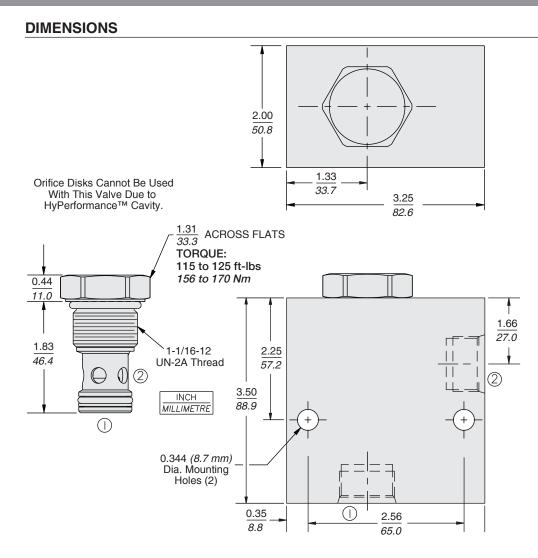
Seal Kit: SK12-2U-0; See page 8.650.1

PERFORMANCE (Cartridge Only)



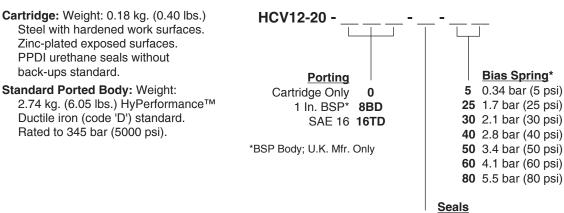


HCV12-20



MATERIALS

TO ORDER



U PPDI Urethane - Recommended for pressures above 241 bar (3500 psi)

NOTE: Additional seal options available. Consult factory.