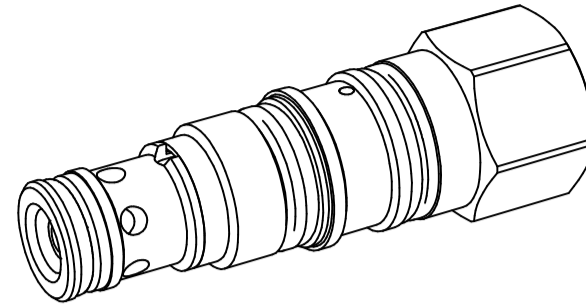
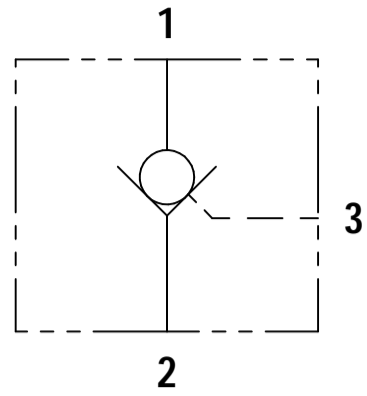




FLUID POWER SYMBOL



5

APPLICATION

Pilot check valves allow flow to pass in one direction, with a low pressure drop, then prevent reverse flow until pilot pressure is applied. There are many applications for this valve type, the most common being to lock and hold a cylinder, or another hydraulic actuator, in position. The cartridges are ideally suited for fitting directly into a cylinder.

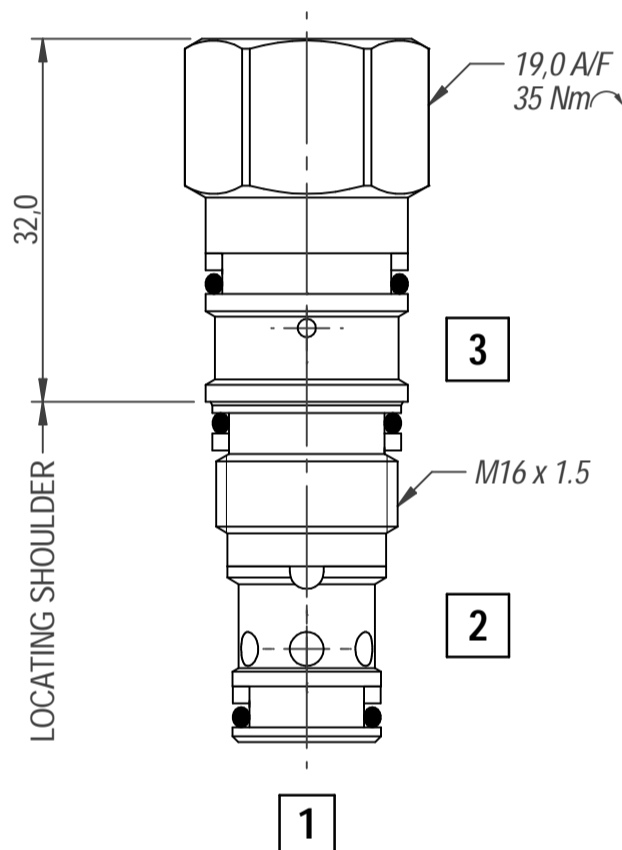
OPERATION

Pressure on the valve port causes the poppet to lift against the spring force, allowing the flow to the cylinder port. Reverse flow is prevented by the poppet reseating. Pressure applied to the pilot port will overcome the cylinder port pressure and lift the poppet from its seat, allowing flow from the cylinder to valve port.

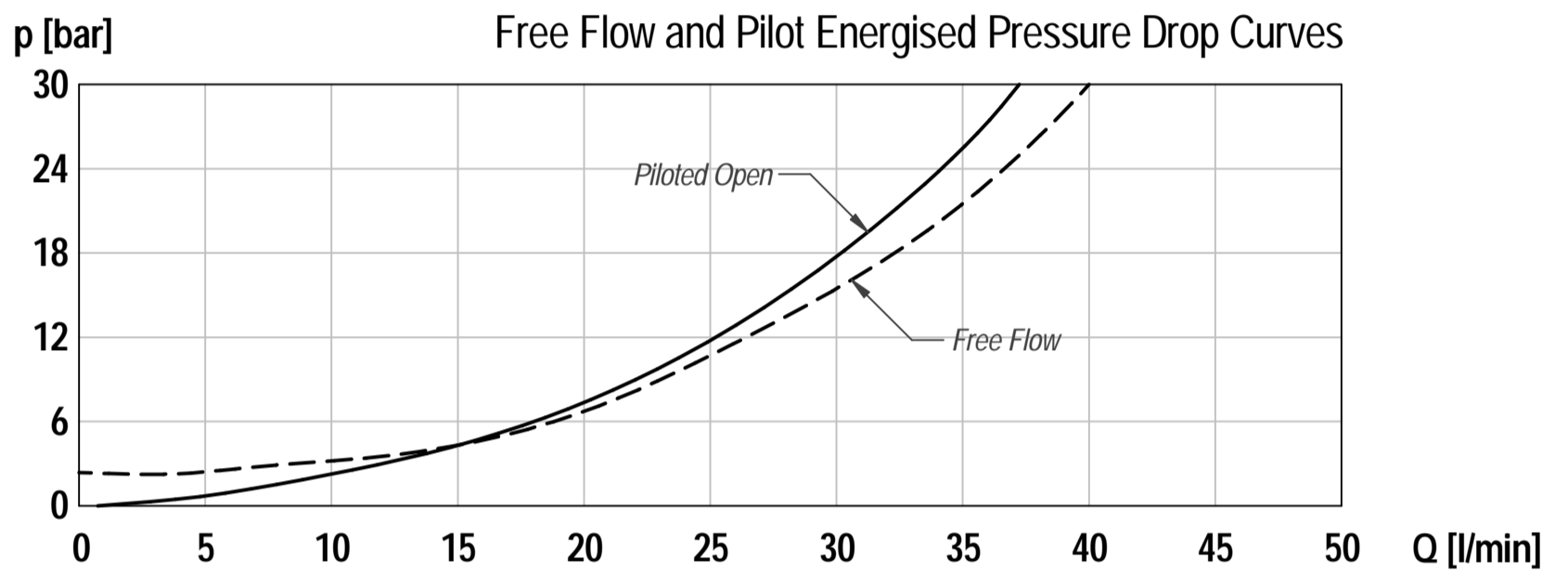
FEATURES

Hardened and ground poppet gives excellent flow capability for valve size, positive sealing and long working life. Cartridge construction allows installation in actuators, manifold blocks and hydraulic Integrated Circuits. The valve fits the same cavity as the counterbalance valve. Seal on piston prevents leakage between Port 2 and Port 3.

DIMENSIONS



CHARACTERISTICS. Figures Based on: Oil Temp = 40°C, Viscosity = 40 cSt



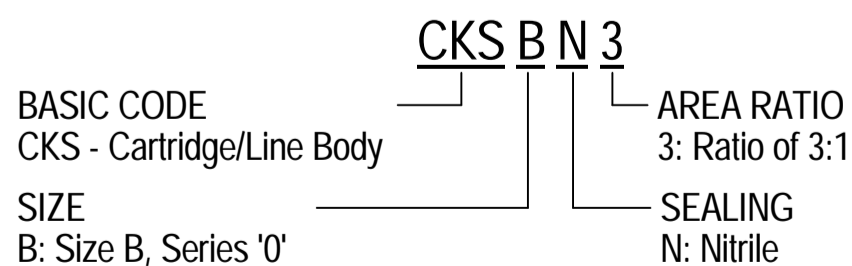
General Specifications

Description	direct acting overcentre valve
Construction	Screw-in Cartridge Construction for Cavity
Mounting	M16 x 1.5 screw thread for cartridge Threaded ports for housings.
Installation Position	any
Tightening Torque	35 Nm
Ambient Temp.	-20°C to +50°C
Cartridge Material	Working parts: Hardened, ground steel External surfaces: Zinc plated
Manifold Material	Not available
Cavity Number	Sun T-163A
Weight	CKS B N 3: 0.10 kg

Hydraulic Specifications

Hydraulic Fluid	Mineral oils. Contact sales office for other fluids.
Max. Pressure	350 bar
Rated Flow	30 lpm
Max. Contamination Level	BS5540/4 Class 18/16/13 (25µ nominal)
Viscosity Range	5 to 500 cSt
Leakage Flow	Less than 0.6 ml/min (10 dpm)
Hydraulic Fluid Temp.	-20°C to +90°C (Standard Seals)
Mounting	Line/Subplate
Peak Pressure	400 bar
Max. Flow	30 lpm
Seal Kit Number	SKCKSB (Nitrile)

ORDERING CODE



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