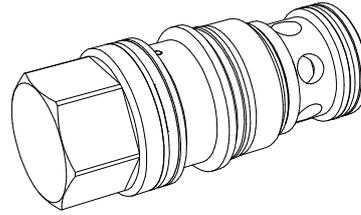
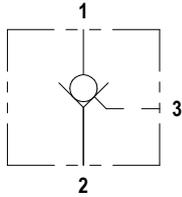




**FLUID POWER SYMBOL**



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.

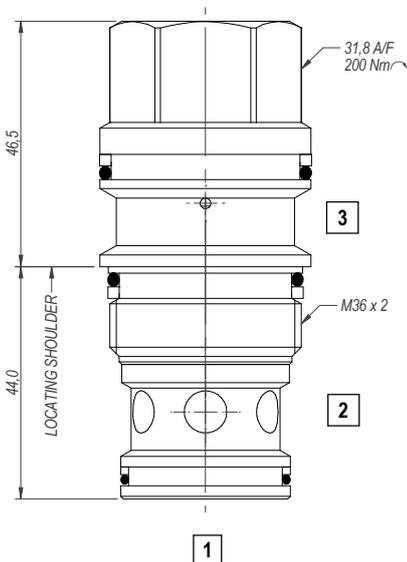
**OPERATION**

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.

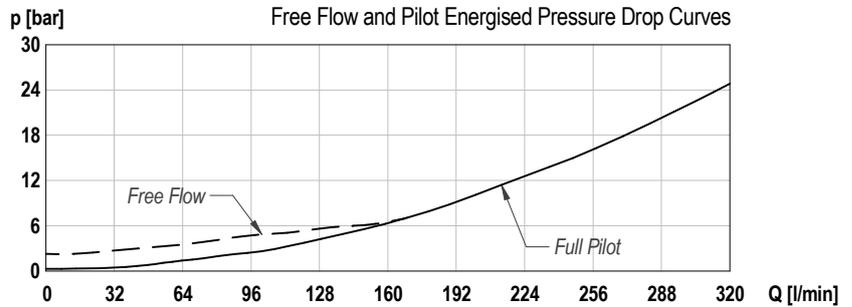
**FEATURES**

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**



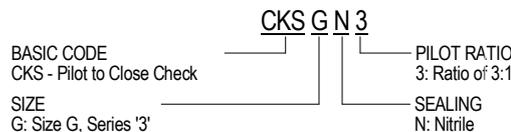
**General Specifications**

Description	pilot check valve	
Construction	Screw-in Cartridge Construction for Cavity	
Mounting	M36 x 2.0 screw thread for cartridge	
	Threaded ports for housings.	
Installation Position	any	
Tightening Torque	200 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-17A	
Weight	CKS G N 3:	0.08 kg

**Hydraulic Specifications**

Hydraulic Fluid	Mineral oils. Contact sales office for other fluids.
Max. Pressure	350 bar
Rated Flow	150 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	240 lpm
Seal Kit Number	SKCKSG (Nitrile)

**ORDERING CODE**



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