Pilot Check Valves



SP.C4.M33 Valve Series

METRIC Cartridge - 420 bar Direct acting check valve Pilot piston to open



Description & Operation

Cartridge style, normally closed, single pilot check valve. Cartridge is closed until suffcient pressure is applied on port 1 to reach the bias spring setting, lift the poppet and allow free flow to 2. The valve is normally closed from 2 to 1. When suffcent pressure is applied on port 3, the pilot piston lifts the poppet from its seat and allows flow from 2 to 1. Very limited leakage in the check condition.





Technical Data

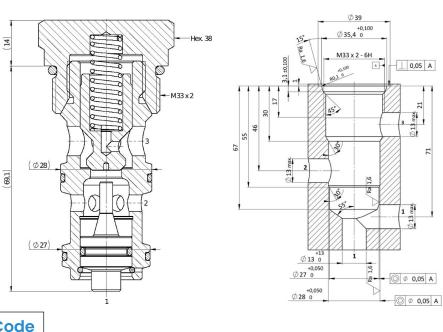
Maximum operating pressure	420 bar
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Maximum flow	100 LPM
Maximum internal leakage	0,10 cm³ / min @ 10 bar 0,10 cm³ / min @ 420 bar
Pilot Ratio	2,8:1
External component treatment	Zn/Fe - standard (96h) Zn/Ni (720h)
O-ring Temperature Range	-30° C to 110° C (standard sealing NBR - BUNA-N)
Oil Temperature Range	-30° C to 110° C
Fluids	Mineral - based or synthetics with lubricating properties
Viscosities	7,4 to 420 cSt
Filtration	20/18/15 ISO 4406 (maximum filtration admitted)
Orientation	No restrictions
Installation torque	150-160 Nm
Oil testing condition	ISO VG 46 cSt
Seal kit code	SLKT.067
Weight	0.338 kg

Performance Curve 21 18 15 Pressure (bar) 9 6 3 30 50 60 70 80 90 100 20

Note:

The performance chart illustrates flow handling capacity for standard bias springs. p/Q curves are recorded at TOil = 40°C and 46 cSt

Cross Section and Cavity Details



Ordering Code

Dimensional Drawing

