Check Valves

S.DO.S10 Valve Series SAE Insert - 350 Bar Direct acting - Poppet type

Description & Operation

A screw-in, direct acting, poppet type in-line check valve. Main use is as a blocking or load-holding device. The S.D0.S10 allows flow passage from port 1 to 2: the cartridge has a fully guided check which is spring-biased closed until sufficient pressure is applied at port 1 to open to 2. The flow is blocked in the opposite direction (2 to 1).



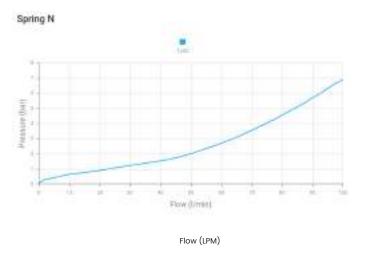


Hydraulic Symbol

🛱 Technical Data

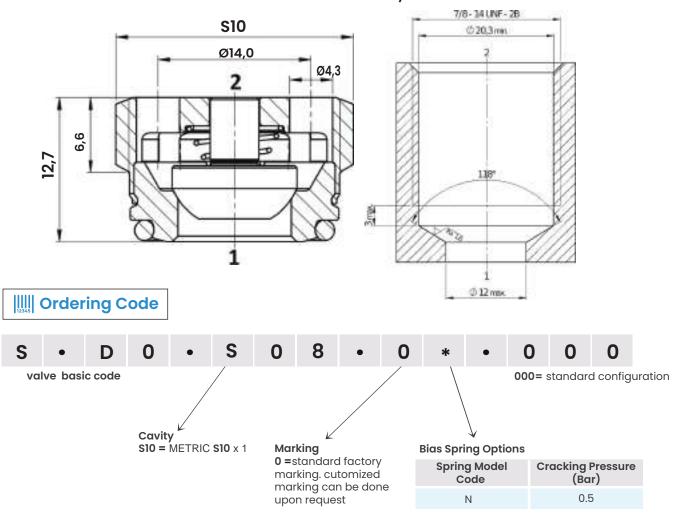
Maximum operating pressure	350 Bar
Maximum flow	100 LPM
Maximum internal leakage	0.1 cm³ / min @ 10 Bar 0.1 cm³ / min @ 350 Bar
External component treatment	Zn/Fe - standard (96h) Zn/Ni (720h)
O-ring Temperature Range	-30° C to 110° C (standard sealing NBR - BUNA-N)
Oil Temperature Range	-30° C to 110° C
Fluids	Mineral - based or synthetics with lubricating properties
Viscosities	7.4 to 420 cSt
Filtration	20/18/15 ISO 4406 (maximum fltration admitted)
Orientation	No restrictions
Installation Tool	IK.003
Installation torque	30 Nm
Oil testing condition	ISO VG 46 cSt
Seal kit code	SLKT.107
Weight	0.023 kg





Note: The performance chart illustrates flow handling capacity. p/Q curves are recorded at TOil = 40°C and 46 cSt.

🛕 Dimensional Drawing



Cross Section and Cavity Details