Check Valves



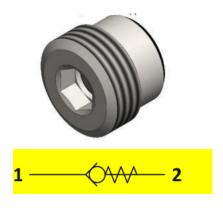
S.RO.G38 Valve Series

METRIC Cartridge - 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.RO.G38 allows flow passage from port 2 to 1: the cartridge has a fully guided check which is spring-biased closed until sufficient pressure is applied at port 2 to open to 1. The flow is blocked in the opposite direction (1 to 2).



Hydraulic Symbol



Maximum operating pressure	350 Bar
Maximum flow	50 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 torque	25 Nm Hex 8
Oil testing condition	ISO VG 46 cSt
Seal kit code	SK.153
Weight	0.015 kg

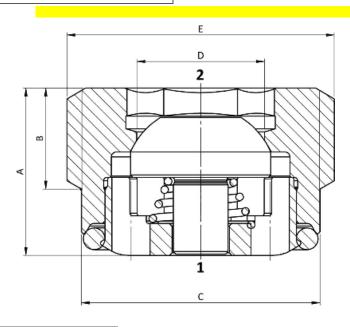
Performance Curve

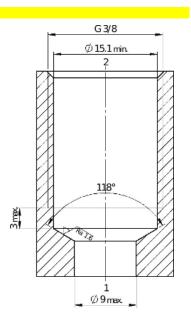
Flow (LPM)

Note:

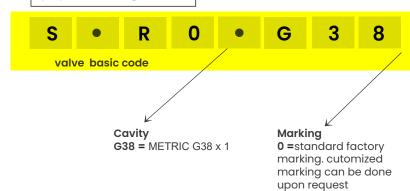
The performance chart illustrates flow handling capacity for standard bias springs. p/Q curves are recorded at TOil = 40°C and 46 cSt

Dimensional Drawing





Ordering Code



Bias spring Options

Spring model code (Bar)

X 3.0

Y 118

Z 12.9

W 07

000= standard configuration