Check Valves



S.H0.S08

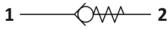
SAE08 Cartridge - 420 Bar **Direct acting - Ball type**



Description & Operation

A screw-in, cartridge style, direct acting, ball type check valve. Main use is as a blocking or load-holding device. The S.HO.SO8 allows flow passage from port 1 to 2: the cartridge has a fully guided check which is spring-biased closed until suffcient pressure is applied at port 1 to open to 2. The flow is blocked in the opposite direction (2 to 1).



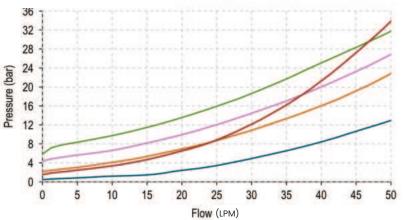


Hydraulic Symbol

Technical Data

Maximum operating pressure	420 Bar	
Maximum flow	50 LPM	
Cracking pressure	See table below	
Maximum Internal Leakage	0.10 cm³ / min @ 10 Bar 0.10 cm³ / min @ 420 Bar	
External component treatment	Zn/Fe - standard (96h) Zn/Ni (720h) (Upon request)	
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	40-45 Nm	
Oil testing condition	ISO VG 46 cSt	
Seal kit code	SLKT.030	
Weight	0.055 kg	

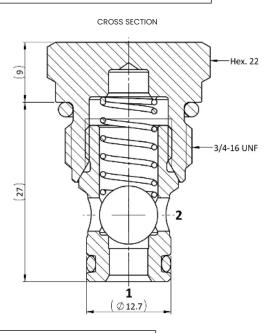
A Performance Curve

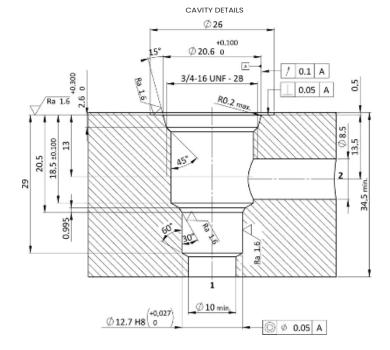


Note:

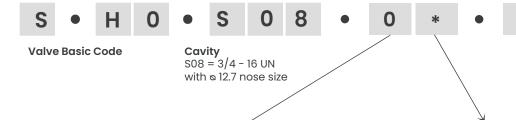
The performance chart illustrates flow handling capacity for each spring bias option. p/Q curves are recorded at TOil = 40°C and 46 cSt

À, Dimensional Drawing





|||||| Ordering Code



000= Standard Configuration

0

0

Marking
0 = Standard factory
marking. Customized
marking can be done
upon request.

Spring model code	Craking pressure (Bar)
Υ	0.5
N	1.5
М	2.0
Р	4.5
U	6

Bias Spring Options