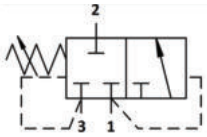
SQ.C0.S08 Valve Series

Hybrid SAE Cartridge - 250 Bar
Direct acting with internal Pilot and Vent

Description & Operation

The SQ.C0.S08 is a screw in, cartridge style, direct acting, spool type hydraulic sequence valve with internal pilot. This valve has a spring chamber drain and is designed to direct oil to a secondary circuit once a predetermined pressure level is reached in the primary circuit. In the idle condition, the SQ.C0.S08 blocks flow at 1, and also allows no connection between 2 and 3. Once pressure setting is reached, the spool shifts and puts in connection ports 1 and 2, while blocking flow at 3. Note that the back pressure at port 3 is directly additive to the spring setting value.

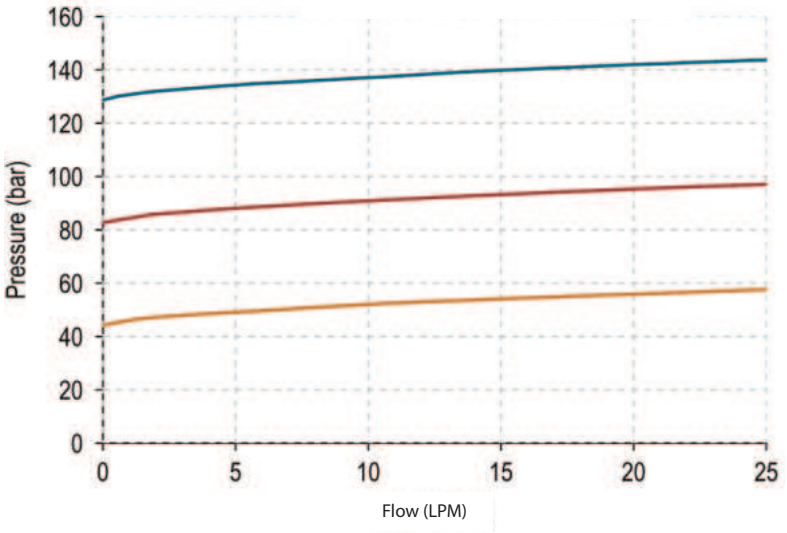


Hydraulic Symbol

Technical Data

Maximum operating pressure	250 Bar
Maximum flow	25 LPM
Maximum internal leakage	50 cm3/min @ 300 Bar (when pilot in port 1 is activated)
External component treatment	Zn/Fe - standard (96h) Zn/Ni (720h) upon customer 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	45-50 Nm Hex.24
Tightening torque nut	13-17 Nm Hex.17
Oil testing condition	ISO VG 46 cSt
Seal kit code	SLKT.069
Weight	0.184 kg

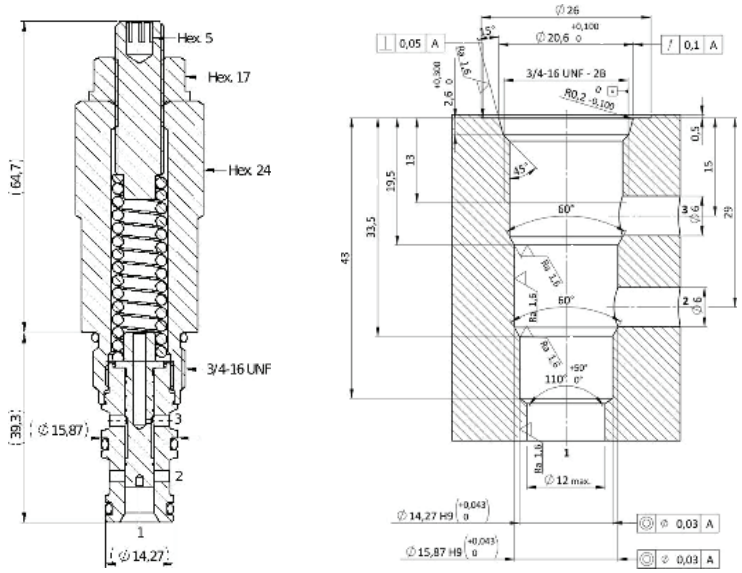
Performance Curve



NOTE:
The performance chart illustrates flow handling capacity for each spring bias options.
p/Qcurves are recorded at TOil = 40°C and 46 cSt.

Dimensional Drawing

Cross Section and Cavity Details



Ordering Code

S	Q	•	C	0	•	S	0	8	•	0	*	•	*	*	*

valve basic code

Cavity
S08 =3/4 - 16 UNF with ⌀15.87 and ⌀14.27 and nose sizes.

Marking
0 =standard factory marking. cutomized marking can be done upon request

Total spring range
(50-135) bar

Pressure Setting in (Bar)
Note= standard setting are multiple of 5 Bars

Spring Model Code	Pressure setting range (Bar)
N	50-135

SEQUENCE VALVES