

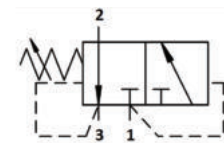


## SQ.C1.S08 Valve Series

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

#### Description & Operation

the SQ.C1.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.C1.S08 blocks flow at 1, while connecting ports 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

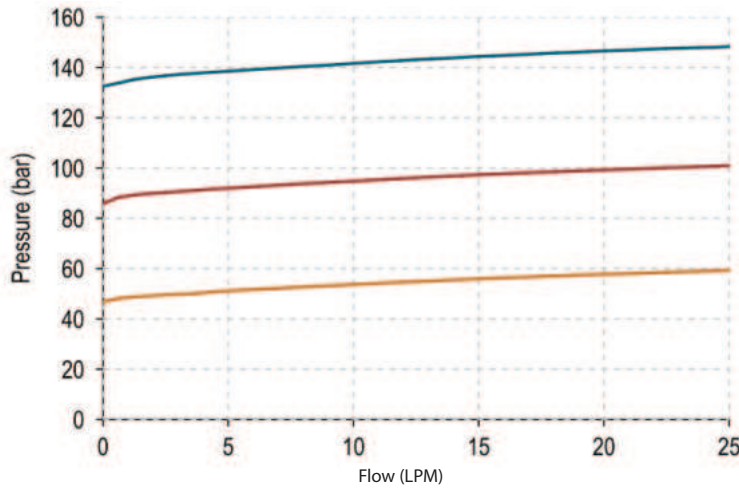


Hydraulic Symbol

#### Technical Data

Maximum operating pressure	250 Bar
Maximum flow	25 LPM
Maximum internal leakage	50 cm <sup>3</sup> /min @ 0 Bar (80% nominal pressure setting on port 1)
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	0.253 kg

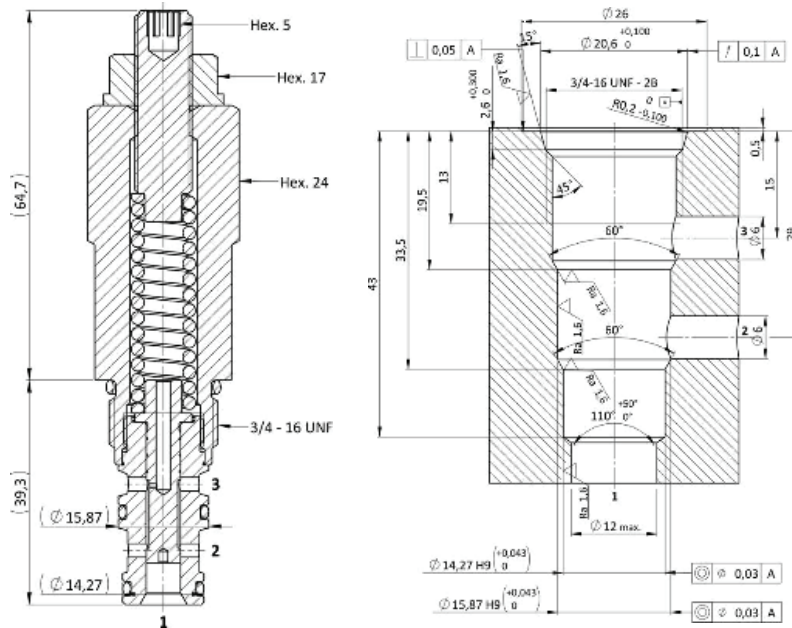
 **Performance Curve**



**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 I • S O 8 • 0 \* • \* \* \***

valve basic code

Pressure Setting in (Bar)

Note= standard setting are multiple of 5 bars

**Cavity**  
S08 = 3/4 - 16 UNF with  $\varnothing 15.87$  and  $\varnothing 14.27$  and nose sizes.

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

**Total spring range**  
(50-135 Bar)

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