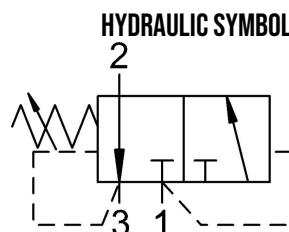


SQC1.S08 VALVE SERIES

Hybrid SAE Cartridge - 250 bar

Direct acting with internal Pilot and Vent

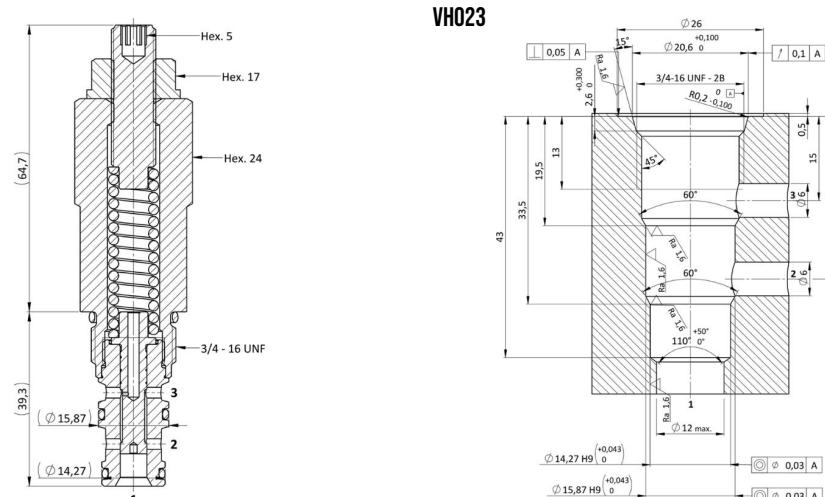


DESCRIPTION

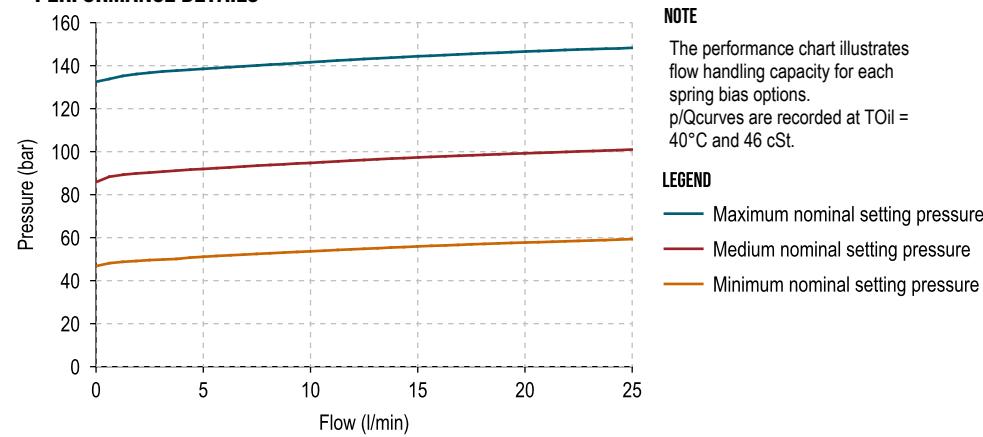
The SQC1.S08 is a screw in, cartridge style, direct acting, spool type hydraulic sequence valve with internal pilot. This valve has a spring chamber drain and is designed to direct oil to a secondary circuit once a predetermined pressure level is reached in the primary circuit. In the idle condition, the SQC1.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.

Warning: Adjustment screw doesn't have a positive stop which prevents it from being backed out of the valve.

CROSS SECTION



PERFORMANCE DETAILS



NOTE

The performance chart illustrates flow handling capacity for each spring bias options. p/Qcurves are recorded at $T_{Oil} = 40^{\circ}C$ and 46 cSt.

LEGEND

- Maximum nominal setting pressure
- Medium nominal setting pressure
- Minimum nominal setting pressure

TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	250 bar
MAXIMUM FLOW	25 l/min
MAXIMUM INTERNAL LEAKAGE	50 cm ³ / min @ 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) -35° C to 140° C (HNBR - Upon customer request) -23° C to 225° C (FKM - Upon customer request)
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
TECH. SPEC. FOR CHARACTERIZATION	see page 811
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.069 (standard sealing NBR-BUNA-N)
WEIGHT	0,253 kg

ORDERING CODE

S Q C 1

S O 8

0 *

* * *

VALVE BASIC CODE

SIZE
3/4-16 UNF with Ø15,87 and Ø14,27
nose sizes

MARKING

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

PRESSURE SETTING IN [BAR]

Standard setting are multiple of 5
bars.

SPRING RANGE

Spring model code	Setting pressure range (bar)
N	50-135