

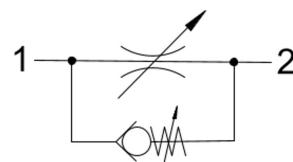
## FCR0.S06 VALVE SERIES

SAE06 Cartridge - 350 bar

Direct acting - Poppet Type



### HYDRAULIC SYMBOL



### DESCRIPTION

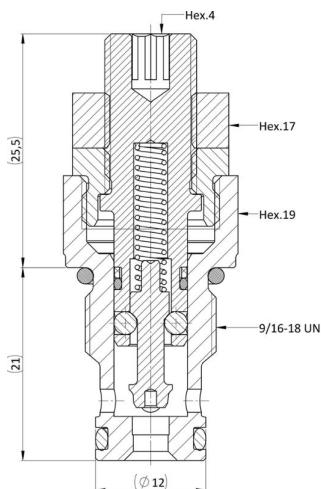
A direct acting, screw-in, cartridge style, 1-way flow control valve with free reverse flow.

The valve acts as an adjustable flow regulator from port 2 to 1.

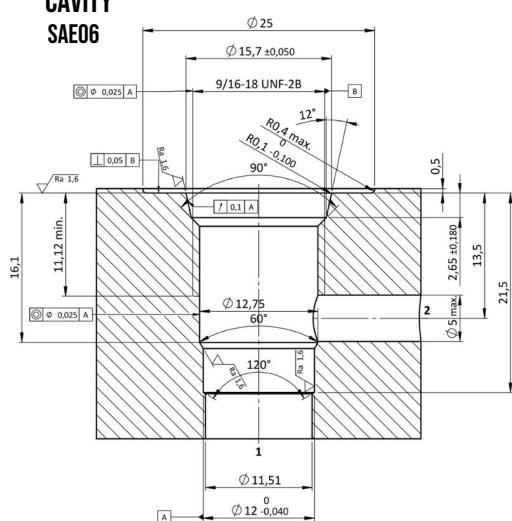
From port 1 to 2 the valve has a spring-biased check, closed until sufficient pressure is applied.

This allows the valve to have 2 settings : Adjustable flow regulator with reverse free flow (2vs1); Adjustable check valve (1vs2).

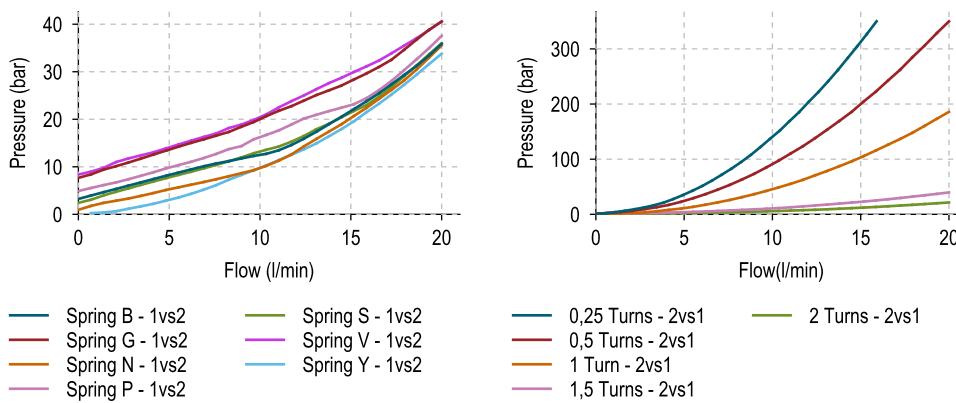
### CROSS SECTION



### CAVITY SAE06



### PERFORMANCE DETAILS



### NOTE

The p/Q performance illustrated in the chart are the same in both directions.  
p/Q curve is recorded at  $T_{oil} = 40^\circ C$  and 46 cSt.

### TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	350 bar
MAXIMUM FLOW	20 l/min
MAXIMUM INTERNAL LEAKAGE	0,75 cm <sup>3</sup> / min @ 10 bar - (2vs1 - valve fully closed) 0,75 cm <sup>3</sup> / min @ 350 bar - (2vs1 - valve fully closed)
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	25-27 Nm Hex.19
TIGHTENING TORQUE NUT	15-20 Nm Hex.17
TECH. SPEC. FOR CHARACTERIZATION	see page 811
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.207 (standard sealing NBR-BUNA-N)
WEIGHT	0,058 kg

### ORDERING CODE

F C R O

S O 6

0 \*

\* 0 \*

### VALVE BASIC CODE

### SIZE

S06 = 9/16-18 UNF with Ø12 nose size

### MARKING

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

00\* = Standard configuration.  
10\* = Fine regulation.

### BIAS SPRING OPTIONS

Spring model code	Cracking pressure (bar)
Y	0,5
N	1
S	2,5
B	3
P	5
G	8
V	9

### FLOW ADJUSTMENT

W = Top plastic knob + plastic counter knob

V = Top plastic knob

0 = Hex. allen head

Specifications may change without notice.