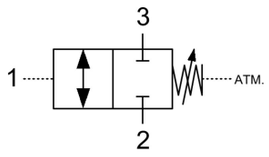
SQD0.M22 VALVE SERIES

METRIC Cartridge - 300 bar

Direct acting with external Pilot and Vent

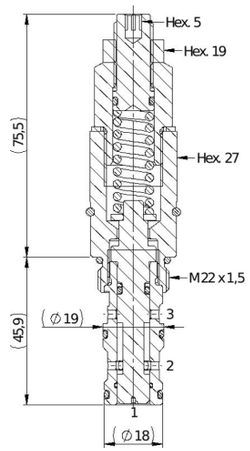
HYDRAULIC SYMBOL



DESCRIPTION

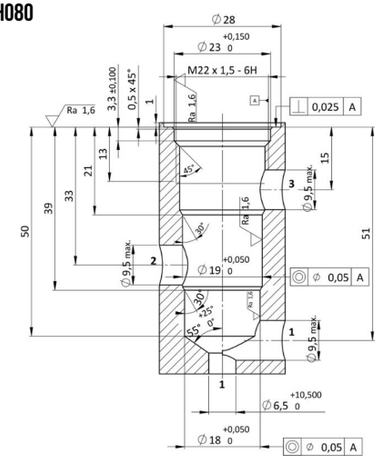
The SQD0.M22 is a screw in, cartridge style, direct acting, spool type hydraulic sequence valve with external pilot. Spring chamber is constantly air vented. The valve is designed to open flow connection between two ports that were previously blocked. In the idle condition, the SQD0.M22 blocks flow between ports 2 and 3. Once pilot pressure at 1 attains the spring setting the spool shifts and allows flow between ports 2 and 3 in both directions.

CROSS SECTION

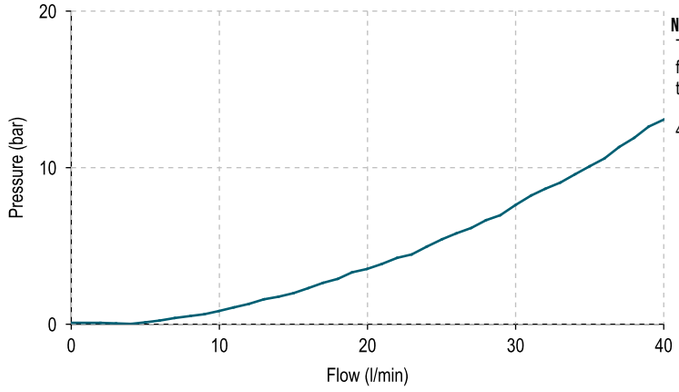


CAVITY

VH080



PERFORMANCE DETAILS



NOTE

The performance chart illustrates flow handling capacity 2 to 3 and 3 to 2 (idle position).
p/Q curvesare recorded at TOil = 40°C and 46 cSt.

LEGEND

Spring Y (2vs3 3vs2)

TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	300 bar
MAXIMUM FLOW	40 l/min
MAXIMUM INTERNAL LEAKAGE	50 cm^3 / min @ 300 bar
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.27
TIGHTENING TORQUE NUT	13-17 Nm Hex.19
TECH. SPEC. FOR CHARACTERIZATION	see page 811
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.068 (standard sealing NBR-BUNA-N)
WEIGHT	0,328 kg

ORDERING CODE

S	Q	D	0	·	M	2	2	·	0	*	·	*	*	*

VALVE BASIC CODE

SIZE
METRIC M22x1,5 with Ø19 and Ø18 nose sizes

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

SPRING RANGE

Spring model code	Setting pressure range (bar)
Y	15-60

PRESSURE SETTING IN [BAR]
Standard setting are multiple of 5 bars.

Specifications may change without notice.