

PCR2.M20 VALVE SERIES

METRIC Cartridge - 350 bar

Direct acting check valve

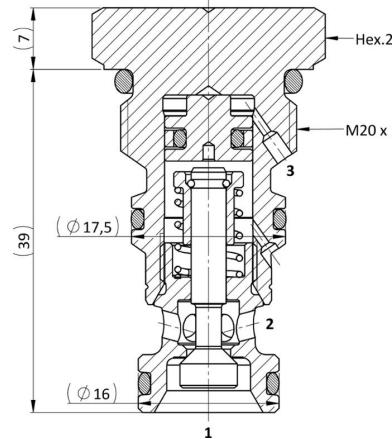
Pilot piston to open



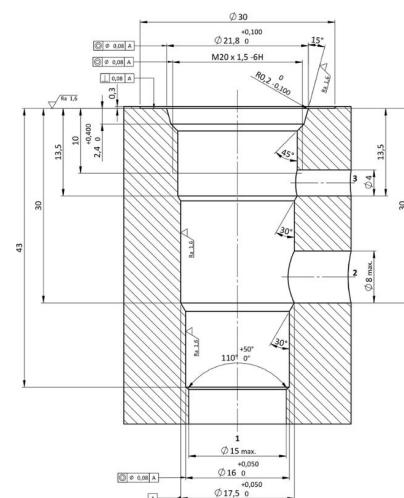
DESCRIPTION

Cartridge style, normally closed, single pilot check valve. Cartridge is closed until sufficient pressure is applied on port 2 to reach the bias spring setting, lift the poppet and allow free flow to 1. The valve is normally closed from 1 to 2. When sufficient pressure is applied on port 3, the pilot piston lifts the poppet from its seat and allows flow from 1 to 2. Very limited leakage in the check condition. Version with higher pilot ratio.

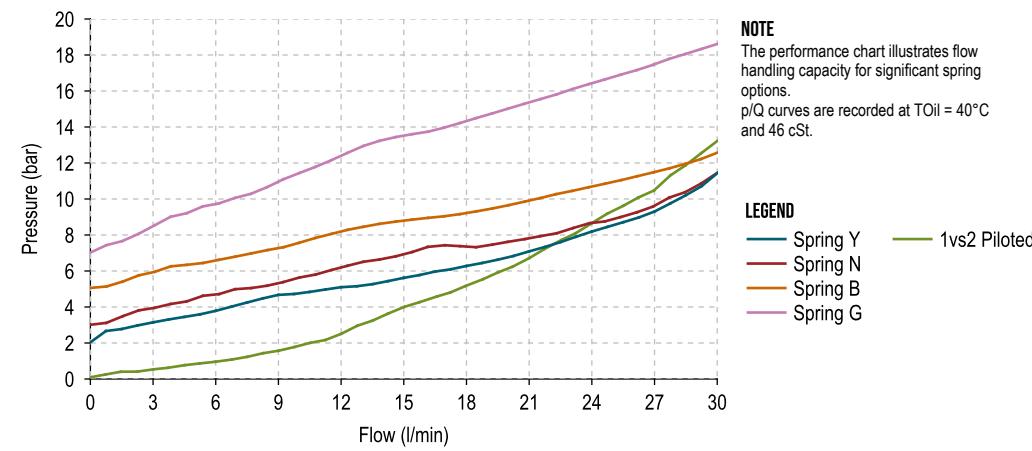
CROSS SECTION



CAVITY VH209



PERFORMANCE DETAILS



TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	350 bar
MAXIMUM FLOW	30 l/min
MAXIMUM INTERNAL LEAKAGE	0,10 cm ³ / min @ 10 bar 0,10 cm ³ / min @ 350 bar
PILOT RATIO	3,9:1
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	40-45 Nm Hex.24
TECH. SPEC. FOR CHARACTERIZATION	see page 811
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.104 (standard sealing NBR-BUNA-N)
WEIGHT	0,075 kg

ORDERING CODE

P C R 2

VALVE BASIC CODE

M 2 0

0 *

0 0 0

000 = Standard configuration.

MARKING

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

SIZE

METRIC M20x1,5 with Ø17,5 and Ø16 nose sizes

BIAS SPRING OPTIONS

Spring model code	Cracking pressure (bar)
Y	2,0
N	3,0
B	5,0
G	7,0