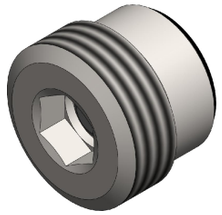
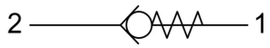
CVRO VALVE SERIES

GAS Insert - 350 bar

Direct acting - Poppet type



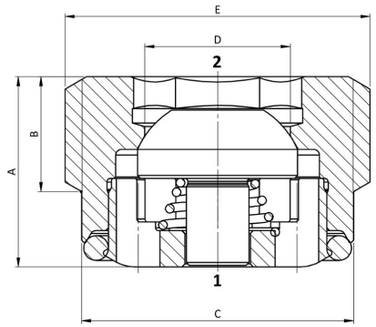
HYDRAULIC SCHEME



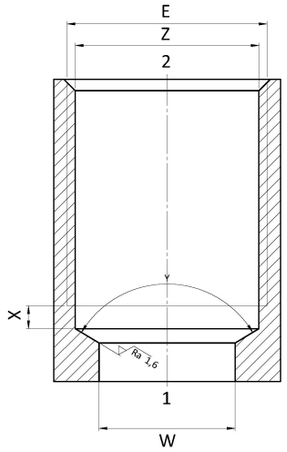
DESCRIPTION

A screw-in, direct acting, poppet type in-line check valve. Main use is as a blocking or load-holding device. The CVR0 allows flow passage from port 2 to 1: the cartridge has a fully guided check which is spring-biased closed until sufficient pressure is applied at port 2 to open to 1. The flow is blocked in the opposite direction (1 to 2).

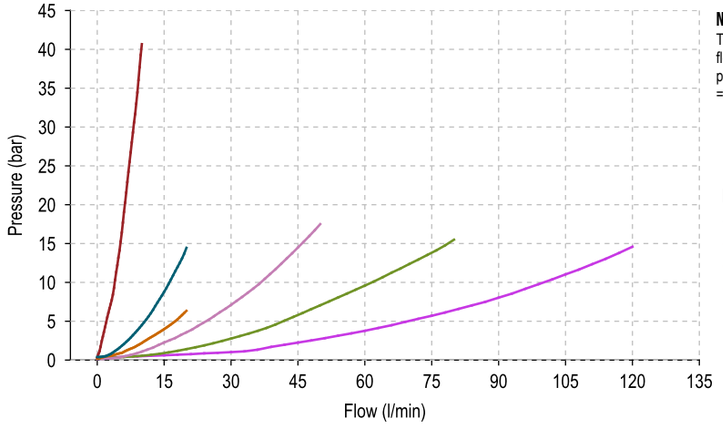
CROSS SECTION



CAVITY



PERFORMANCE DETAILS



NOTE

The performance chart illustrates flow handling capacity.
p/Q curves are recorded at TOil = 40°C and 46 cSt.

LEGEND

S06 — G12
G18 — G34
G14
G38

TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	350 bar
MAXIMUM FLOW	see table below
CRACKING PRESSURE	see table below
MAXIMUM INTERNAL LEAKAGE	0,10 cm^3 / min @ 10 bar 0,10 cm^3 / min @ 350 bar
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	see table below
TECH. SPEC. FOR CHARACTERIZATION	see page 811
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	see table below
WEIGHT	see table below

ORDERING CODE

C	V	R	0	·	*	*	*	·	0	*	·	0	0	0

VALVE BASIC CODE

SIZE (see table below)

BIAS SPRING
N = Standard (cracking pressure <0.5)

Note = customized bias spring can be offered upon request

000 = Standard configuration.

Valve Details									Cavity Details				
E	A	B	C	D	MAX FLOW	Install. Torque	Seal Kit	Weight	Cavity code	X	Y	Z	W
[size]	[mm]	[mm]	[mm]	[mm]	[l/min]	[Nm]	[code]	[kg]	[code]	[mm]	[mm]	[mm]	[mm]
S06	10,5	5,8	Ø12,5	Ø6,0	20	15	SK.121	0,009	VH169	3,0	118°	Ø12,9	Ø7
G18	8,0	3,9	Ø8,5	Ø4,0	10	9	SK.088	0,003	VH056	3,0	118°	Ø8,7	Ø5
G14	10,2	5,5	Ø11,5	Ø6,0	20	15	SK.016	0,007	VH007	3,0	118°	Ø11,6	Ø7
G38	11,7	7,5	Ø14,9	Ø8,0	50	25	SK.153	0,015	VH008	3,0	118°	Ø15,1	Ø9
G12	13,5	7,9	Ø18,7	Ø10,0	80	40	SK.018	0,023	VH009	3,0	118°	Ø18,8	Ø12
G34	17,5	11,5	Ø24,0	Ø10,0	120	50	SK.015	0,050	VH057	3,0	118°	Ø24,3	Ø18

Specifications may change without notice.