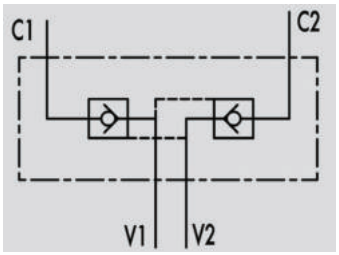
DOUBLE PILOT OPERATED CHECK VALVES WITH SCREW FIXING

VBPDE A FLV

Flow Upto 55 LPM
Pressure 350 Bar



Hydraulic Symbol

Description & Operation

Pilot check valves are used to block the actuator in both directions. Flow is free in one direction and blocked in the reverse direction until pilot pressure is applied. This valve can be fixed directly onto the cylinder using the drilled bolt supplied with the valve.
Connect VI and V2 to the supply and C1 and C2 to the actuator (C1 using a fitting and C2 using the supplied bolt).

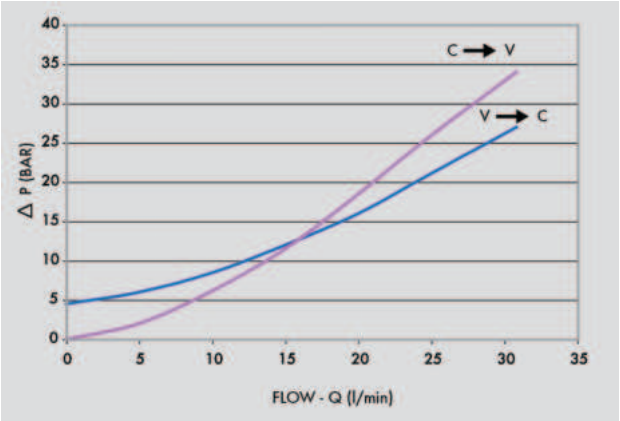
Technical Data

Maximum Flow	55 LPM
Maximum Pressure	350 Bar
Body Material	Steel
Internal parts	Hardened and Ground steel
External Component treatment	Zn/Fe - standard (96h) / Zn/Ni (720h)
Oil Temperature	50 Deg. C
Fluids	Mineral based or synthetics with lubricating properties
Viscosity	30 cSt
Standard Sealing	NBR-Buna N
Filteration	20/18/15 ISO 4406 (Max. Filteration admitted)
Orientation / Mounting	Inline
Weight	See Ordering details

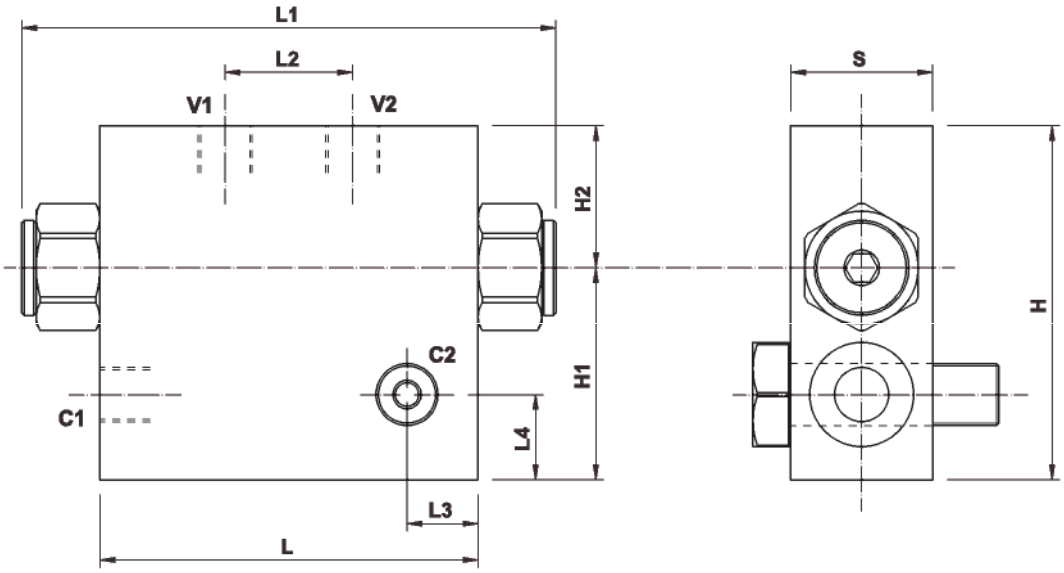
Specifications

Type	Pilot Ratio	Max.Flow	Max.Pressure	Cr.Pressure
		LPM	Bar	Bar
VBPD 1/4" A FLV	1:5.5	20	350	4.5
VBPD 3/8" A FLV	1:5.5	30	350	4.5
VBPD 1/2" A FLV	1:4.5	55	350	5.5

Performance Curve



Dimensional Drawing



Ordering Details

Code	Type	V1-V2 C1-C2	L	L1	L2	L3	L4	H	H1	H2	S	Weight
		GAS	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg
R-V0178/FLV	VBPDE 1/4" A FLV	G 1/4"	80	113	27	15	18	75	45	30	30	1.330
R-V0180/FLV	VBPDE 3/8" A FLV	G 3/8"	80	113	30	15	18	75	45	30	30	1.250
R-V0190/FLV	VBPDE 1/2" A FLV	G 1/2"	115	147	39	18	23	90	57	33	35	2.300

On Request

- Without seal on pilot piston
- 1 Bar spring
- 8 Bar spring