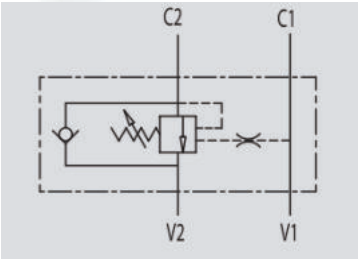
VBCD SE A

Flow Upto 150 LPM
Pressure 350 Bars



Hydraulic Symbol

Description & Operation

These valves are used to control the actuator movements and block in one direction. In order to have the descent of a load under control and avoid the load's weight being carried away the valve will prevent any cavitation of the actuator. Type "A" is different in the connection positions and the pilot ratio. The valve setting must be at least 1.3 times more than the load pressure in order to enable the valve to close even when undergone to the maximum load pressure.
Connect V1 and V2 to the supply, C1 to the free flow side of the actuator and C2 to the actuator's side you want the flow to be blocked. In-line mounting.

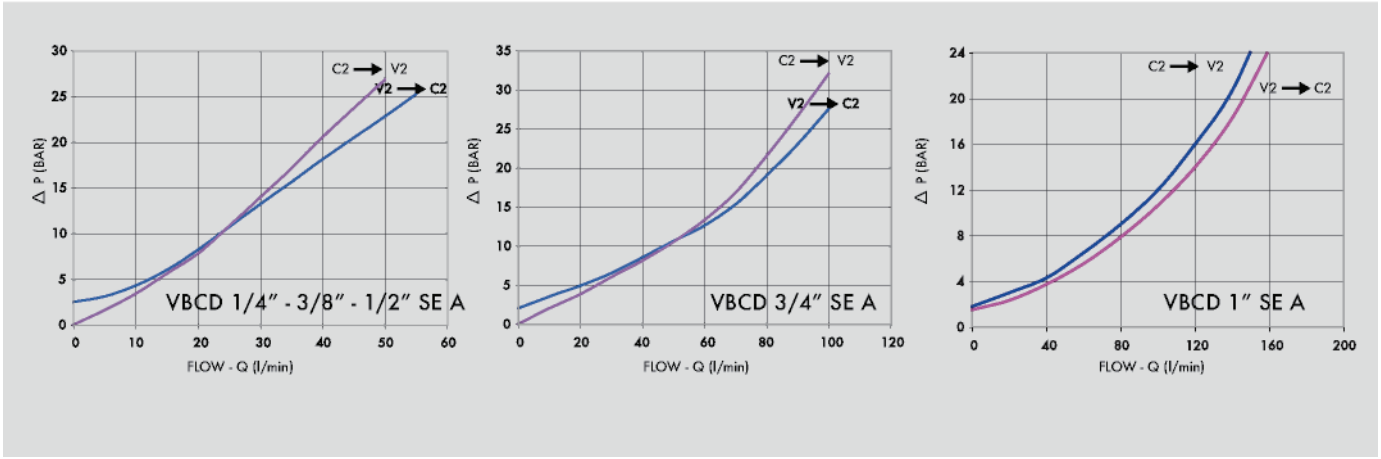
Technical Data

Maximum Flow	150 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
Standard Pressure Setting	320 Bar

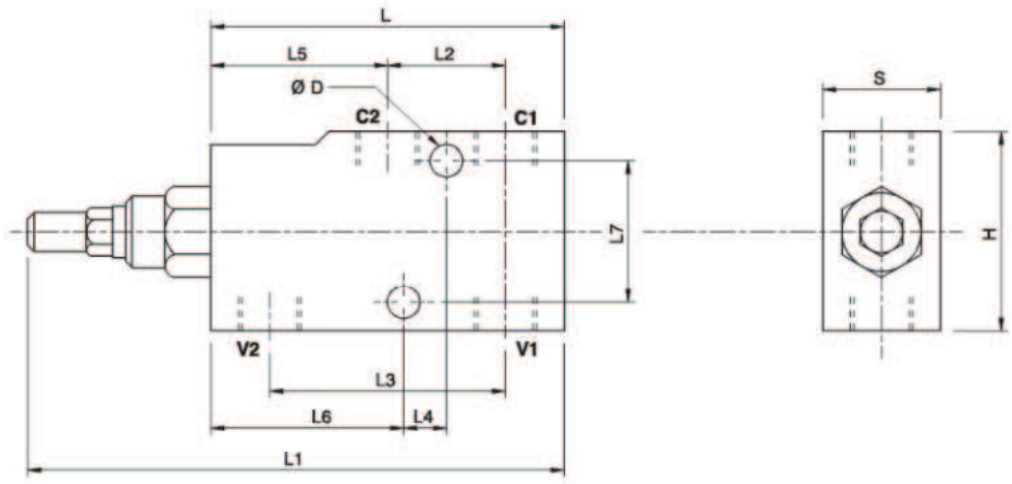
Specifications

Type	Pilot Ratio	Max.Flow	Max.Pressure
		LPM	Bar
VBCD 1/4" SE/A	1:4.5	25	350
VBCD 3/8" SE/A	1:4.5	40	
VBCD 1/2" SE/A	1:4.5	60	350
VBCD 3/4" SE/A	1:5.5	100	350
VBCD 1" SE/A	1:5.5	150	

Performance Curve



Dimensional Drawing



Ordering Details

Code	Type	V1-V2 C1-C2	D	L	L1	L2	L3	L4	L5	L6	L7	H	S	Weight
		GAS	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg
R-V0382	VBCD 1/4" SE A	G 1/4"	6.5	76	132	25	49	10	39	41.5	28	55	30	0.970
R-V0392	VBCD 3/8" SE A	G 3/8"	8.5	100	149	30	60	10	50	55	44	60	30	1.256
R-V0412	VBCD 1/2" SE A	G 1/2"	8.5	100	149	36	65	10	50	57.5	44	60	30	1.196
R-V0419	VBCD 3/4" SE A	G 3/4"	8.5	127	187	46	85	10	62.5	75	44	80	35	2.372
R-V0417	VBCD 1" SE A	G 1"	10.5	156	213	70	109.5	23	63	75	70	90	50	4.635

On Request

- Non-standard pressure setting
- Sealing cap (CODE/P) and arranged for sealing cap (CODE/PP)