

DOUBLE OVERCENTRE VALVES

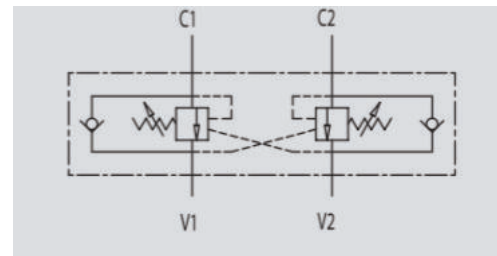


VBCD DE

Flow Upto 105 LPM
Pressure 350 Bar

Description & Operation

These valves are used to control the actuator's movements and block in one directions. 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. Valve setting must be at least 1.3 times more than the load pressure in order to enable the valve to close even when subjected to the maximum load pressure. Connect V1 and V2 to the pressure flow, C1 and C2 to the actuator to be controlled. In-line mounting.



Hydraulic Symbol

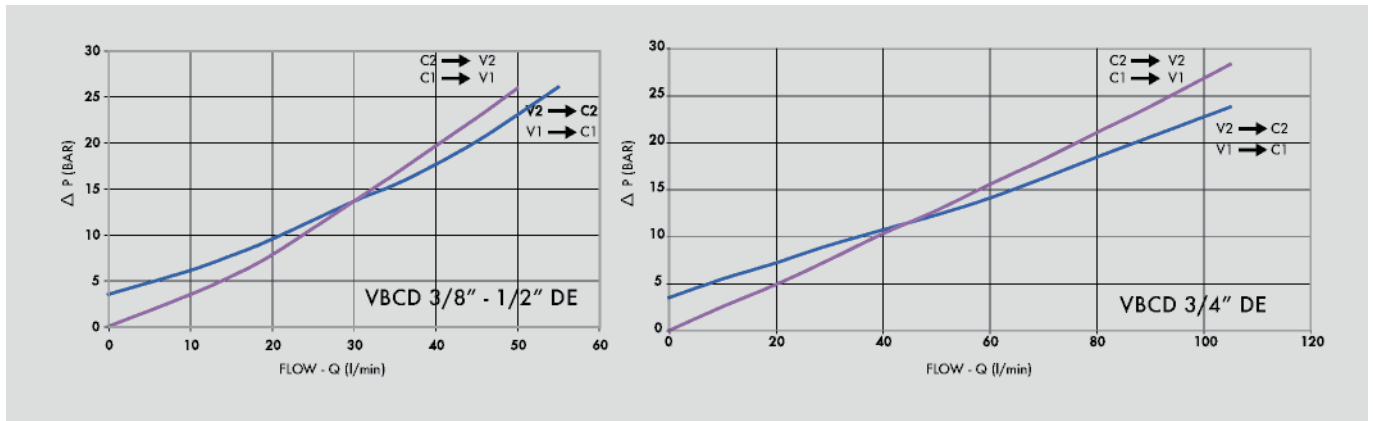
Technical Data

Maximum Flow	105 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
Filtration	20/18/15 ISO 4406 (Max. Filtration admitted)
Orientation / Mounting	Inline
Weight	See Ordering details
Standard Pressure Setting	320 Bar

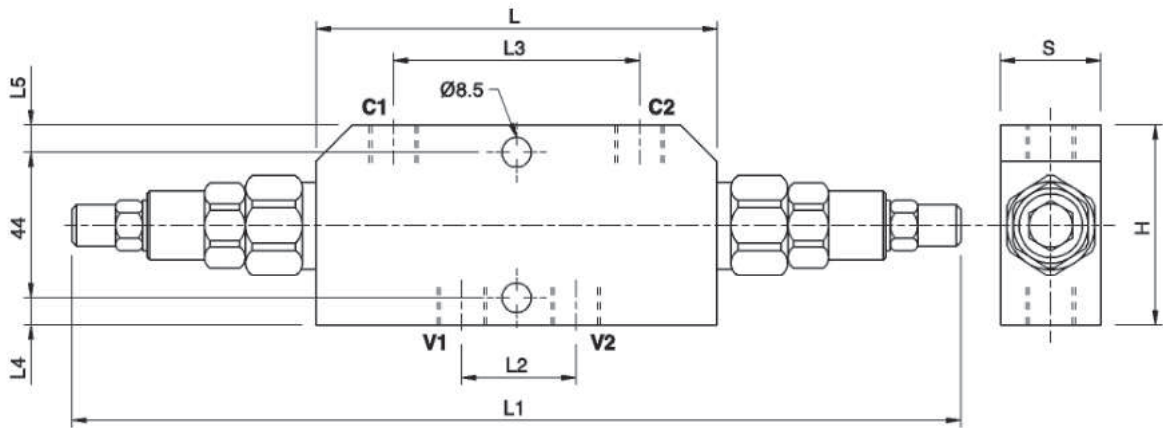
Specifications

Type	Pilot Ratio	Max.Flow	Max.Pressure
		LPM	Bar
VBCD 3/8" DE	1:3.1	35	350
VBCD 3/8"DE RP 1:8	1:8	35	350
VBCD 1/2" DE	1:3.1	50	350
VBCD 1/2"DE RP 1:8	1:8	50	350
VBCD 3/4" DE	1:5.5	105	350
VBCD 3/4"DE RP 1:8	1:8	105	350

Performance Curve



Dimensional Drawing



Ordering Details

Code	Type	V1-V2 C1-C2	L	L1	L2	L3	L4	L5	H	S	Weight
		GAS	mm	mm	mm	mm	mm	mm	mm	mm	Kg
R-V0420	VBCD 3/8" DE	G 3/8"	120	264	34	73	8	8	60	30	1.724
R-V0420/RP18	VBCD 3/8"DE RP 1:8	G 3/8"	120	264	34	73	8	8	60	30	1.724
R-V0430	VBCD 1/2"DE	G 1/2"	120	264	36	73	8	8	60	30	1.688
R-V0430/RP18	VBCD 1/2"DE RP 1:8	G 1/2"	120	264	36	73	8	8	60	30	1.688
R-V0431	VBCD 3/4" DE	G 3/4"	152	296	58	106	15	21	80	35	3.000
R-V0431/RP18	VBCD 3/4"DE RP 1:8	G 3/4"	152	296	58	106	15	21	80	35	3.000

On Request

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

OVER CENTER VALVES