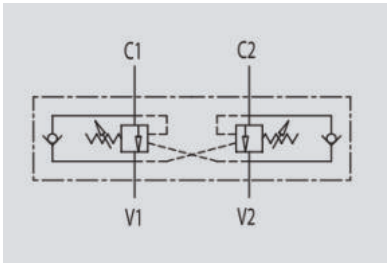
DOUBLE OVERCENTRE VALVES-TYPE A

VBCD DE A

Flow Upto 150 LPM
Pressure 350 Bar

Description & Operation

These valves are used to control the actuator movements and block in both 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. Type "A" is different due to the connection positions and the pilot ratio. 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 supply, C1 and C2 to the actuator to be controlled. In-line mounting.



Hydraulic Symbol

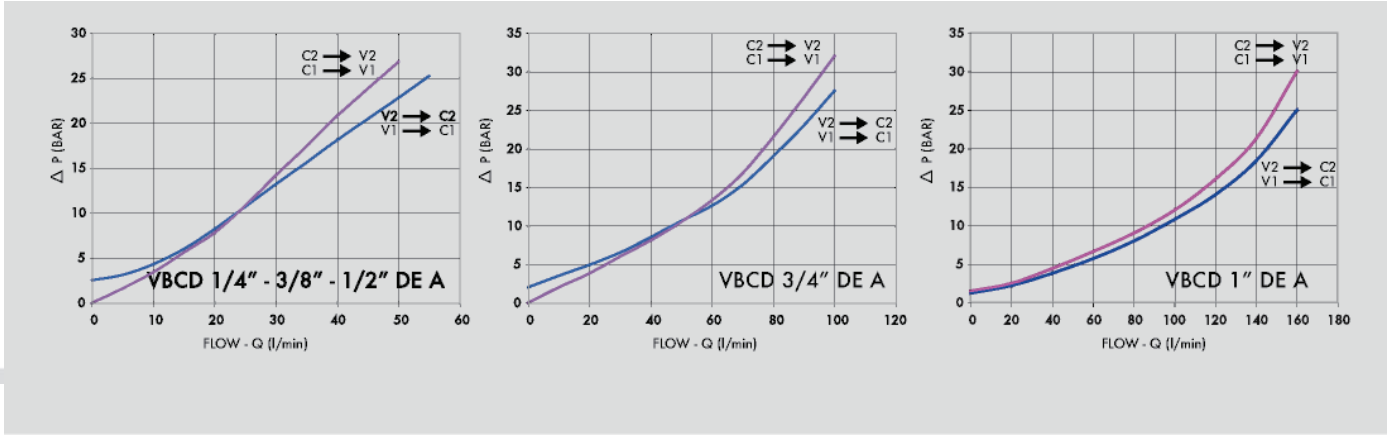
Technical Data

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

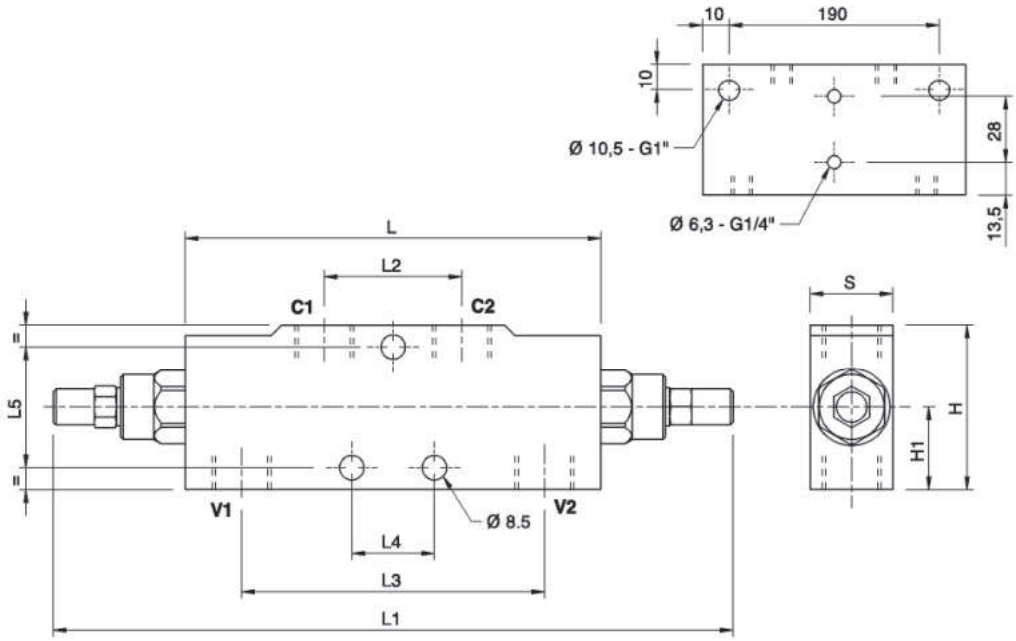
Specifications

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

Performance Curve



Dimensional Drawing



Ordering Details

Code	Type	V1-V2 C1-C2	L	L1	L2	L3	L4	L5	H	H1	S	Weight
		GAS	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg
R-V0418	VBCD 1/4" DE A	G 1/4"	125	255	38	94	/	28	55	28	30	1.686
R-V0422	VBCD 3/8" DE A	G 3/8"	150	248	50	110	30	44	60	32	30	1.970
R-V0432	VBCD 1/2" DE A	G 1/2"	150	248	50	110	30	44	60	32	30	1.916
R-V0435	VBCD 3/4" DE A	G 3/4"	190	304	65	143	44	64	80	40	35	3.800
R-V0436	VBCD 1" DE A	G 1"	210	319	66	158	190	/	90	45	50	6.680

On Request

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