

DOUBLE OVERCENTRE VALVES FLANGEABLE



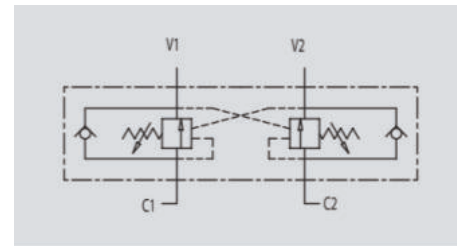
VBCD DE FL

Flow Upto 60 LPM
Pressure 350 Bar

Description & Operation

These valves are used to control actuator's 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. Flange ports enable direct mounting of the valve onto 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 pressur flow and flange C1 and C2 directly to the actuator.



Hydraulic Symbol

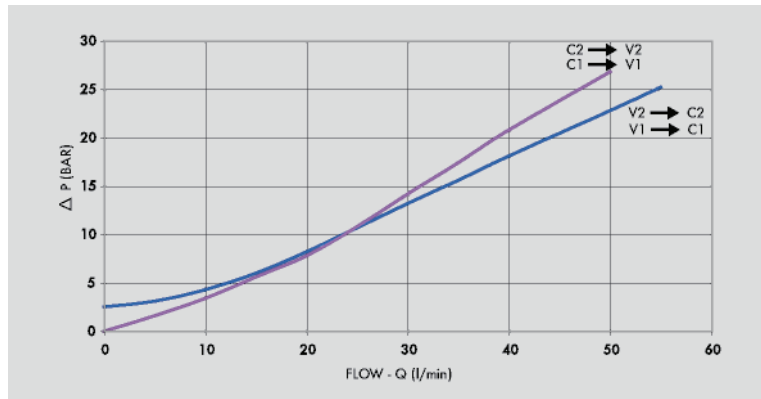
Technical Data

| | |
|------------------------------|---|
| Maximum Flow | 60 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 |

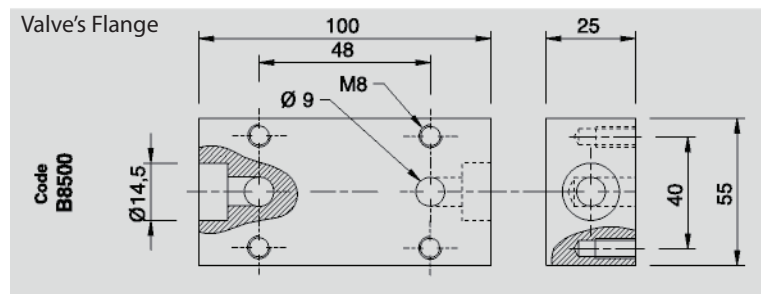
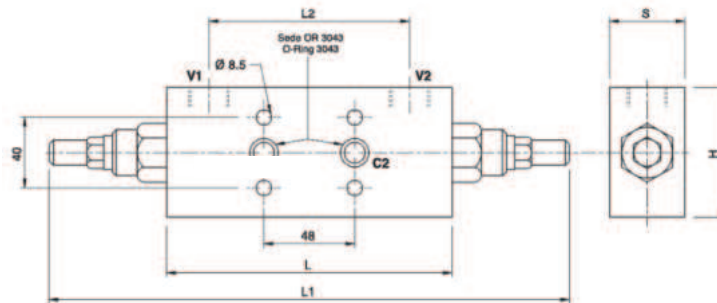
Specifications

| Type | Pilot Ratio | Max.Flow | Max.Pressure |
|----------------|-------------|----------|--------------|
| | | LPM | Bar |
| VBCD 3/8"DE FL | 1:4.5 | 40 | 350 |
| VBCD 1/2"DE FL | 1:4.5 | 60 | 350 |

 **Performance Curve**



 **Dimensional Drawing**



 **Ordering Details**

| Code | Type | V1-V2 | C1-C2 | L | L1 | L2 | H | S | Weight |
|---------|----------------|--------|-------|-----|-----|-----|----|----|--------|
| | | GAS | mm | mm | mm | mm | mm | mm | Kg |
| R-V0424 | VBCD 3/8"DE FL | G 3/8" | Ø9 | 150 | 248 | 110 | 60 | 30 | 2.012 |
| R-V0434 | VBCD 1/2"DE FL | G 1/2" | Ø9 | 150 | 248 | 110 | 60 | 30 | 1.980 |

 **On Request**

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

OVER CENTER VALVES