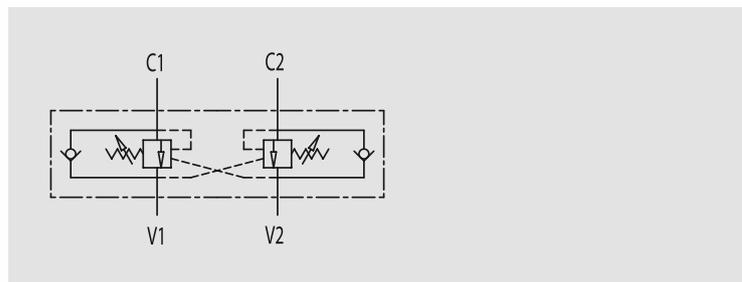


Doppeltes lasthalte Ventil Typ A

TYPE
VBCD DE A

HYDRAULIC DIAGRAM



DOUBLE OVERCENTRE VALVES – TYPE A

USE AND OPERATION:

These valves are used to control actuator's movements and block in both directions in order to have a under control descent of a load; load's weight doesn't carry it away, as the valve prevents any cavitations of the actuator. The A type is different for the ports position and the pilot ratio.

MATERIALS AND FEATURES:

Body: zinc-plated steel
Internal parts: hardened and ground steel
Seals: BUNA N standard
Tightness: minor leakage
Standard setting: 320 Bar
Valve setting must be at least 1,3 times more than load pressure in order to enable the valve to close even when undergone to maximum load pressure

APPLICATIONS:

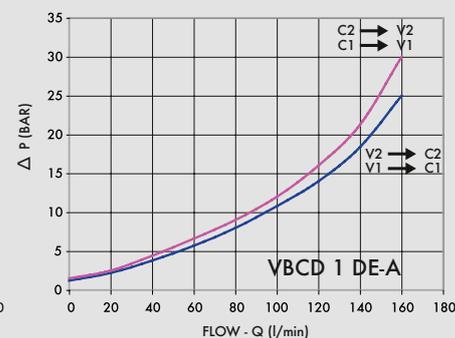
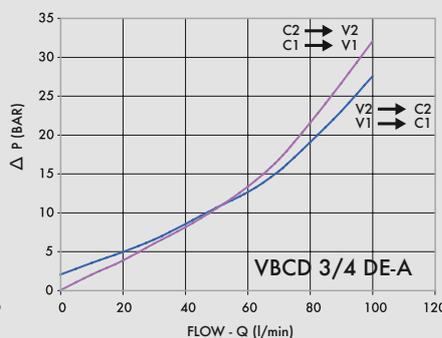
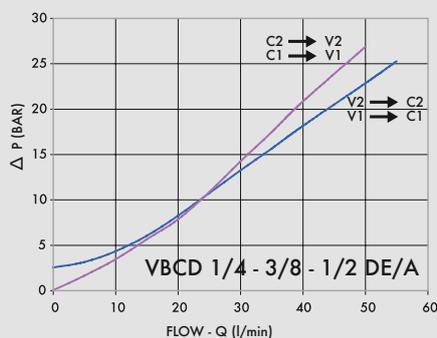
Connect V1 and V2 to the pressure flow, C1 and C2 to the actuator to be controlled. In-line mounting.

ON REQUEST

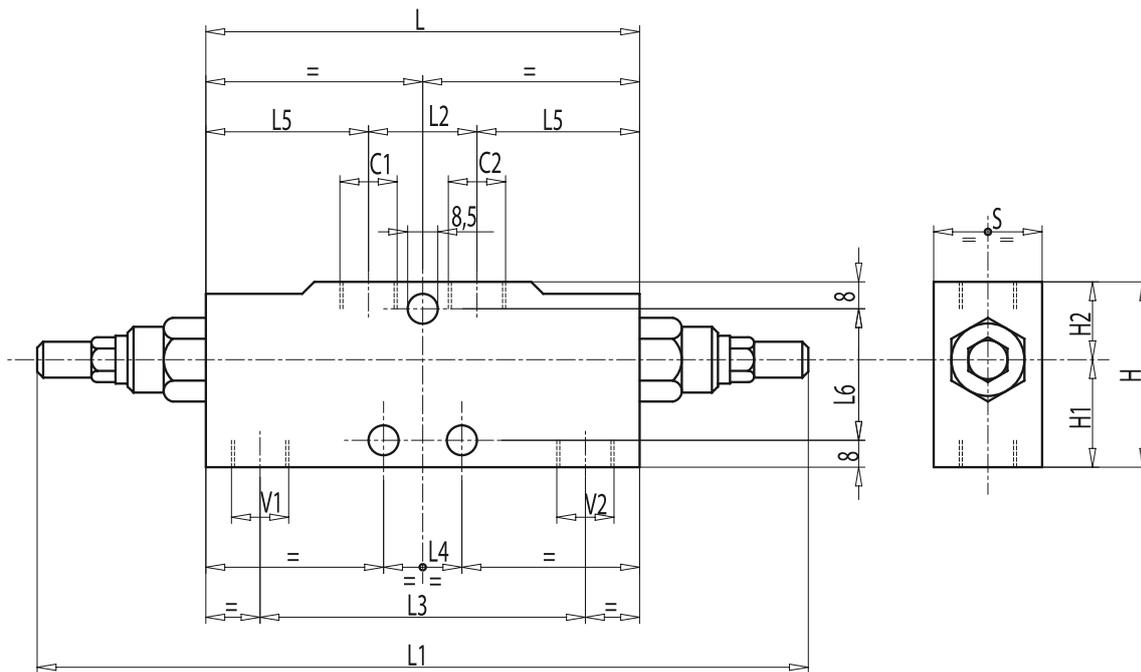
- other settings available
- sealing cap (CODE/P) and arranged for sealing cap (CODE/PP)

○ PRESSURE DROPS CURVE

Oil temperature: 50° C - Oil viscosity: 30 cSt



| CODE | TYPE | PILOT RATIO | MAX FLOW Lt. / min | MAX PRESSURE Bar |
|--------------|----------------|-------------|-----------------------|---------------------|
| V0418 | VBCD 1/4" DE/A | 1:4,5 | 20 | 350 |
| V0422 | VBCD 3/8" DE/A | 1:4,5 | 40 | 350 |
| V0432 | VBCD 1/2" DE/A | 1:4,5 | 60 | 350 |
| V0435 | VBCD 3/4" DE/A | 1:5,5 | 95 | 350 |
| V0436 | VBCD 1" DE/A | 1:5,5 | 160 | 350 |



| CODE | TYPE | V1 - V2 C1 - C2 GAS | L mm | L1 mm | L2 mm | L3 mm | L4 mm | L5 mm | L6 mm | H1 mm | H2 mm | H mm | S mm | WEIGHT kg |
|--------------|----------------|---------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|--------------|
| V0418 | VBCD 1/4" DE/A | G 1/4" | 150 | 248 | 50 | 110 | 30 | 50 | 44 | 32 | 28 | 60 | 30 | 1,968 |
| V0422 | VBCD 3/8" DE/A | G 3/8" | 150 | 248 | 50 | 110 | 30 | 50 | 44 | 32 | 28 | 60 | 30 | 1,944 |
| V0432 | VBCD 1/2" DE/A | G 1/2" | 150 | 248 | 50 | 110 | 30 | 50 | 44 | 32 | 28 | 60 | 30 | 1,886 |
| V0435 | VBCD 3/4" DE/A | G 3/4" | 190 | 304 | 65 | 143 | 44 | 62,5 | 64 | 40 | 40 | 80 | 35 | 3,820 |
| V0436 | VBCD 1" DE/A | G 1" | 210 | 319 | 66 | 158 | 190 | 72 | / | 45 | 45 | 90 | 50 | 7,120 |