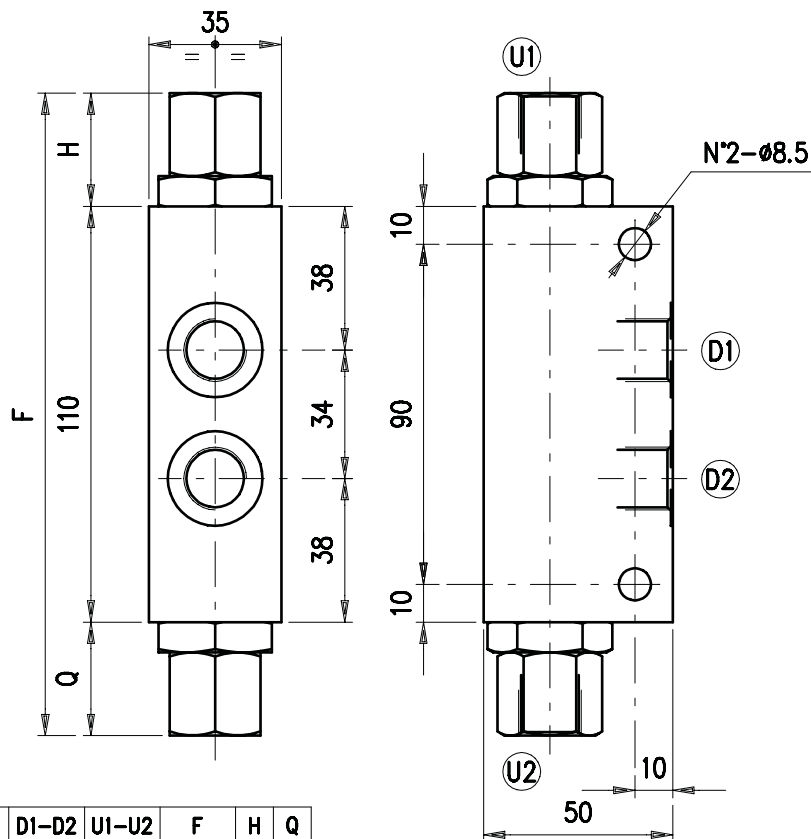
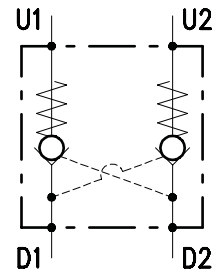


• **DIMENSIONS (mm)**

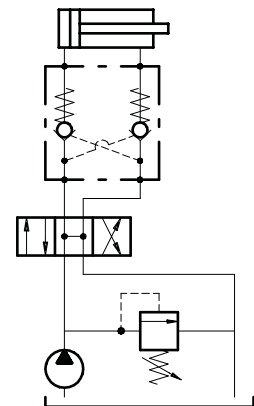
- **HYDRAULIC DIAGRAM**



VBPDL	D1-D2	U1-U2	F	H	Q
38	G 3/8	G 3/8	170	30	30
12	G 1/2	G 1/2	176	33	33



- **ASSEMBLY DIAGRAM**



- **DESCRIPTION**

Pilot operated check valves, double acting, line mounting.

- **OPERATION**

Allows oil flow from D1(D2) to U1 (U2) and stops it in the opposite way (from U1/U2 to D1/D2). Free oil flow from U1/U2 to D1/D2 is strictly possible when the pilot pressure in the opposite way is strong enough to open the valve poppet. To assert the minimum opening pressure divide the value of pressure in U1/U2 by the pilot ratio. To provide best valve performance from U1/U2 to D1/D2 make sure that no counterpressure arises in D1/D2.

• PERFORMANCE

Maximum flow:

- VBPDŁ 38=35 l/min.
- VBPDŁ 12=50 l/min.

Maximum pressure:

- 210 bar aluminium valve
- 350 bar steel valve

Oil leak from U1/U2 to D1/D2: 0,25 cc/minute (5 drops) at 210 bar.

Pilot ratio:

- 1:4 (standard)
- 1:6.3 (on request only)
- 1:7.5 (on request only)

Working temperature:

- min. -25°C max. 90°C with standard BUNA N gaskets
- min. -20°C max. 120°C with optional VITON gaskets

• **RECOMMENDATIONS:**

Fluid: best use mineral oil with viscosity ranging between 10 and 200 cSt.

Filter: see page Z.9000.000.

Weight:

– VBPD L 38= w. aluminium housing 0.78 kg - w. steel housing 1.45 kg

– VBPD L 12=w. aluminium housing 0.81 kg - w. steel housing 1.45 Kg

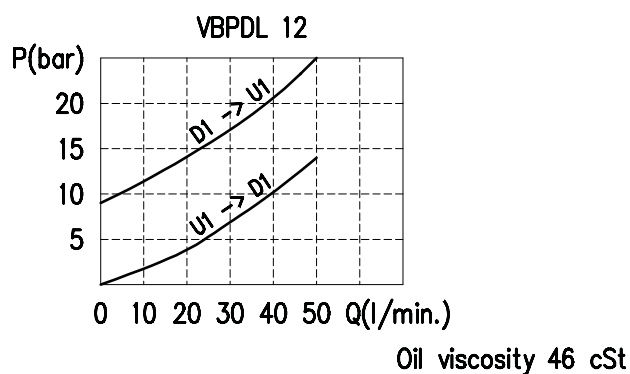
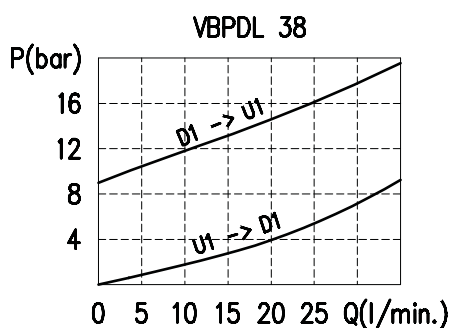
Material: internal components made out of high grade steel duly treated and fabricated.

For more information please ask our technical office .

Variations and modifications of technical features and dimensions are reserved. **OLEOSTAR S.p.A.** also reserves the right to stop production of each and any model listed in the catalogue with no notice.

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• **RATING DIAGRAMS**



• **CODE NUMBER**

