

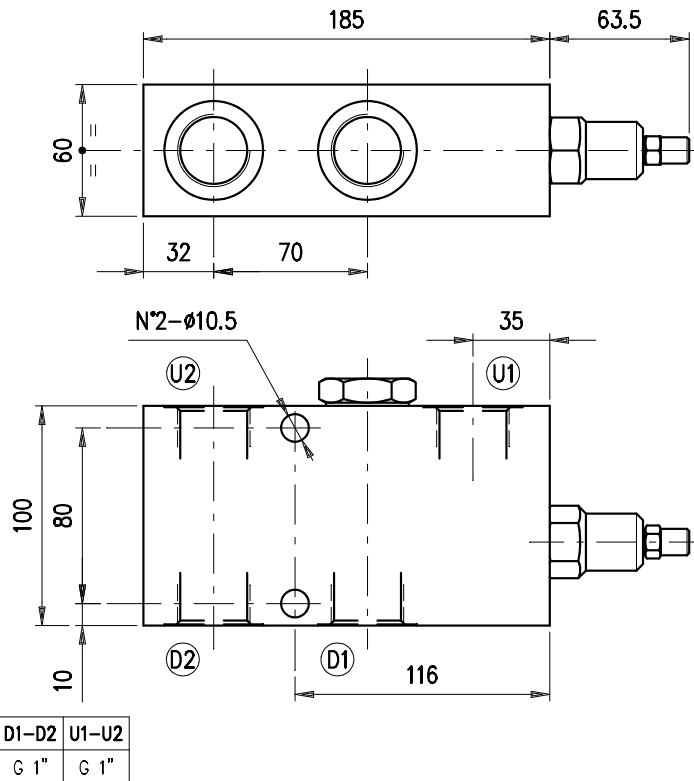
## Senkbremsventil – einfachwirkend G 1" –



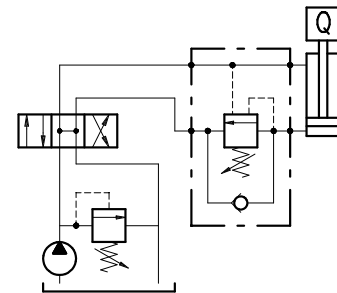
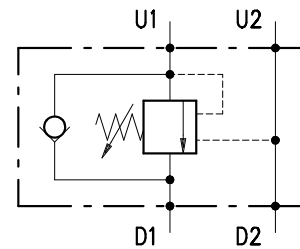
Bestellnr.	Typ	Bezeichnung	Gehäuse	max. Betriebsdruck bar	max. Durchfluss l/min	Code
230-0930-2855	VOSL/SC 100/TS.S.p7.PG	1"-Öff.v. 1:7 / 5-210bar	Alu	210	180	1520051100
230-0930-2860	VOSL/SC 100/TS.S.p3.PG	1"-Öff.v. 1:3 / 5-210bar				1520051101
230-0930-2865	VOSL/SC 100/TR.S.p7.PG	1"-Öff.v. 1:7 / 50-350bar				1520051102
230-0930-2870	VOSL/SC 100/TR.S.p3.PG	1"-Öff.v. 1:3 / 50-350bar				1520051103
230-0930-2875	VOSL/SC 100/TG.S.p7.PG	1"-Öff.v. 1:7 / 100-700bar				1520051104
230-0930-2880	VOSL/SC 100/TG.S.p3.PG	1"-Öff.v. 1:3 / 100-700bar				1520051105
230-0930-2885	VOSL/SC 100/TR.S.p7.PG/ac	1"-Öff.v. 1:7 / 50-350bar	Stahl	350		1520052100
230-0930-2890	VOSL/SC 100/TG.S.p7.PG/ac	1"-Öff.v. 1:7 / 100-700bar				1520052101

OVERCENTER VALVES  
**VOSL /SC 100**

• DIMENSIONS (mm)



• HYDRAULIC DIAGRAM



• DESCRIPTION

Single overcenter valves, line mounting.

• OPERATION

The oil flow is allowed from D1 to U1 and is stopped in the opposite way (from U1 to D1) up to the spring setting value. Free oil flow from U1 to D1 is strictly possible when the pilot pressure in D2 and U2 is strong enough to pilot the valve poppet.

Use the following formula to assert the applicable pilot pressure:

$$(\text{valve setting} - \text{load pressure}) \div \text{pilot ratio} = \text{pilot pressure}$$

For example:

If your pilot ratio is 1:4, your setting pressure is 250 bar and your load pressure is 130 bar then you will need 30 bar pilot pressure in order to displace the load.  $[(250 \text{ bar} - 130 \text{ bar}) \div 4 = 30 \text{ bar}]$ .

Should counterpressure arise in D1, the setting value of valve poppet (1:1 ratio) will increase and the pilot pressure be negatively affected (1:1 ratio).

• PERFORMANCE

**Maximum flow:** 180 l/min

**Maximum Pressure:**

- Aluminium body: 210 bar

- Steel body: 350 bar

**Application range with standard springs:**

- 5 - 210 bar (test setting: 150 bar at 5 l/min)

- 50 - 350 bar (test setting: 280 bar at 5 l/min)

230-0930

**Working temperature:**

- Minimum -25°C max 90°C with standard BUNA N gaskets
- Minimum -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:**

- aluminium body 3.10 kg
- steel body 7.54 kg

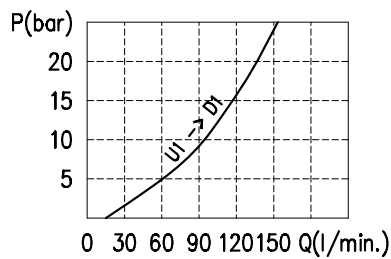
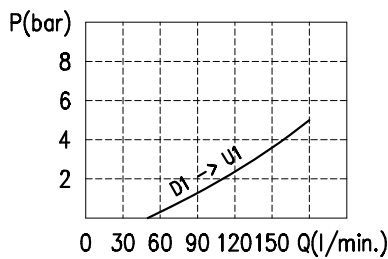
**Material:** internal components made out of high grade steel duly treated and fabricated.

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.

Copyrights on the text contained herein belong to **OLEOSTAR S.p.A.** . Partial and full reproductions or copies of this catalogue are forbidden.

• **RATING DIAGRAMS**



Oil viscosity 46 cSt

• **CODE NUMBER**

