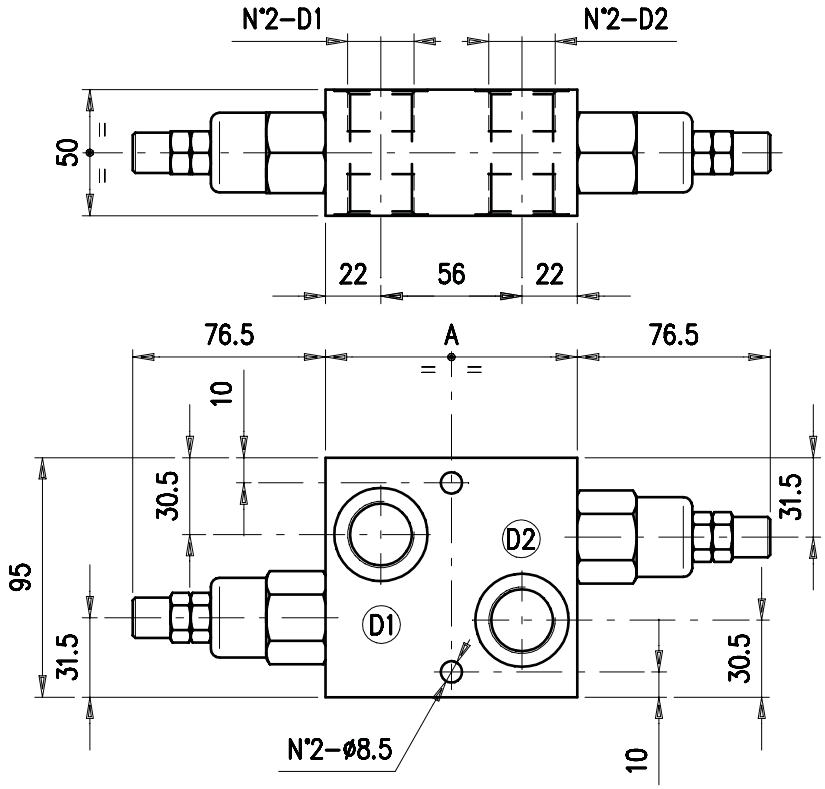
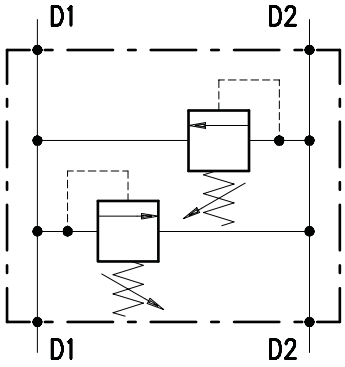
VAIL 20 - □□

• DIMENSIONS (mm)

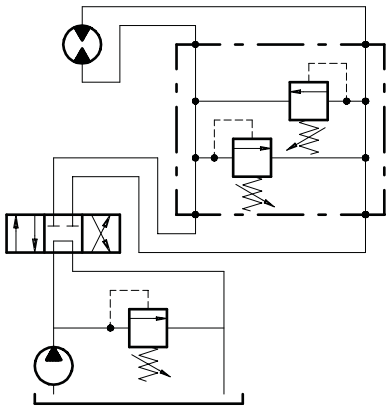


VAIL	A	D1	D2
20–34	100	G 3/4	G 3/4
20–100	120	G 1	G 1

• HYDRAULIC DIAGRAM



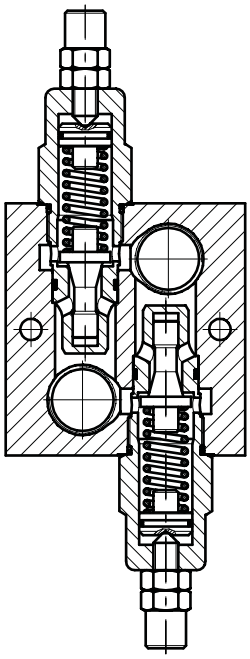
• ASSEMBLY DIAGRAM



• DESCRIPTION

Dual cross-line relief valve. Direct acting, poppet type, line mounting.

• CROSS SECTION



• OPERATION

Allows pressure relief on delivery pipes to engines and cylinders.
Actuator close mount is recommended to assure a more rapid valve action.

• PERFORMANCE

Maximum flow:

- VAIL 20-34 = 100 l/min.
- VAIL 20-100 = 180 l/min.

Maximum Pressure: 350 bar

Application range with standard springs:

- 5 ÷ 40 bar (test setting: 30 bar at 5 l/min.)
- 20 ÷ 80 bar (test setting: 60 bar at 5 l/min.)
- 50 ÷ 220 bar (test setting: 160 bar at 5 l/min.)
- 180 ÷ 350 bar (test setting: 280 bar at 5 l/min.)

To perform setting of the valve see the pressure drop/ flow diagram.

Hysteresis: 85% of the valve setting for 1 L. flow capacity per minute.

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:

- aluminium valves 2.00 kg
- steel valves 3.55 kg

Cartridge used: see page 1.1000.300.

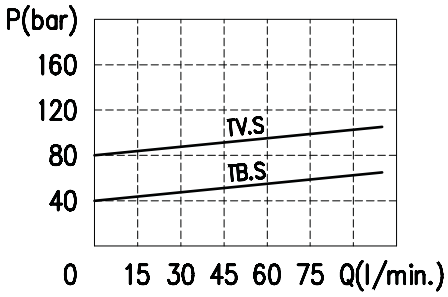
Material: internal components made out of high-grade steel duly treated and fabricated.

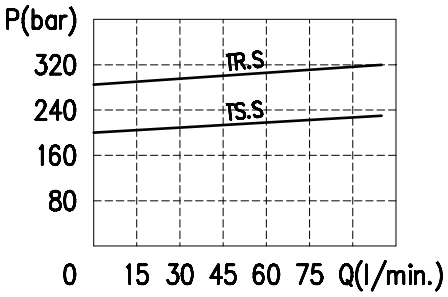
For more information please ask our technical office .

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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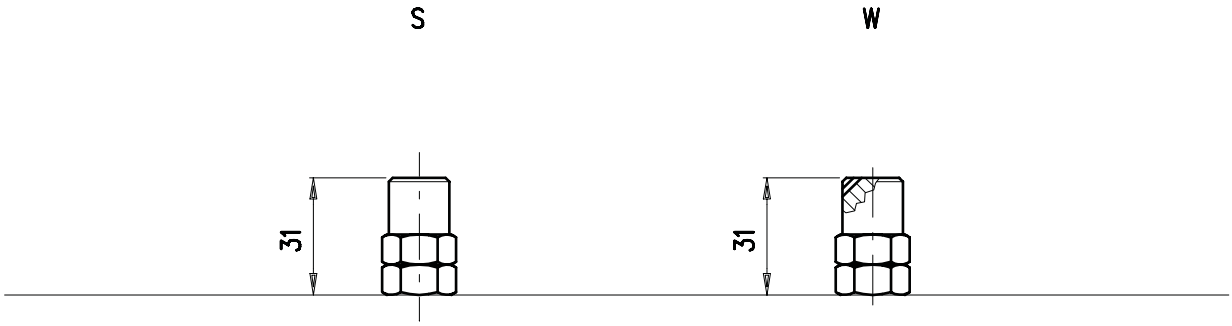
• RATING DIAGRAMS





Oil viscosity 46 cSt

• ADJUSTMENTS



• CODE NUMBER

VAIL 20 - □□ / □□ . □ / □□

Port size	Pressure settings (bar)	Adjustment	Body material
34) 3/4" BSP	**TB)** 5÷40	**S**	**_** Aluminium
100) 1" BSP	**TV)** 20÷80	**W**	**ac** Steel
	TS) 50÷220		
	TR) 180÷350		