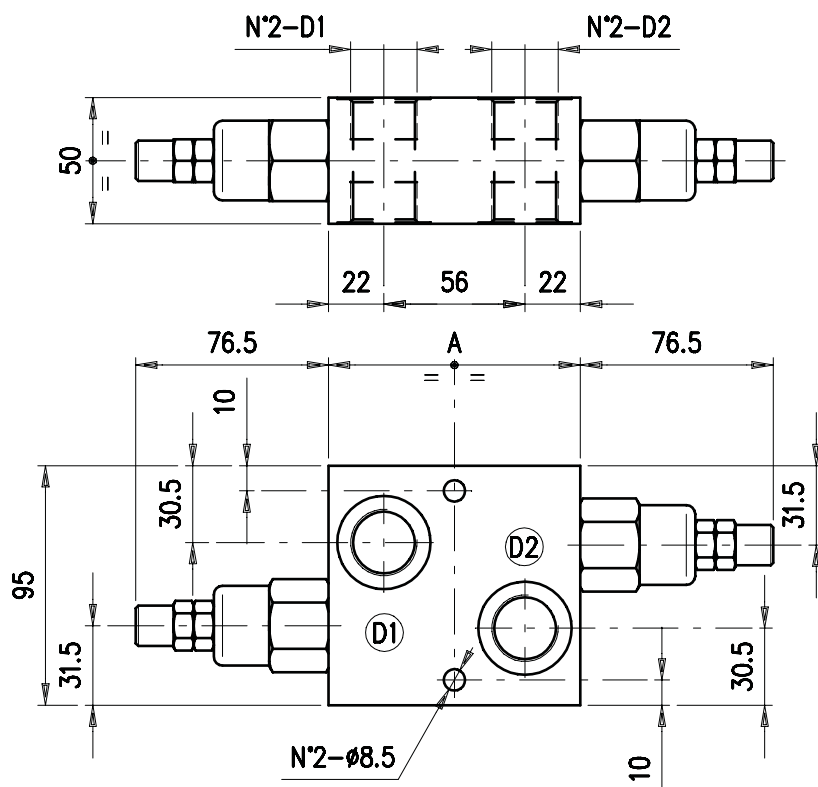


PRESSURE RELIEF VALVES **VAIL 20 - □□**

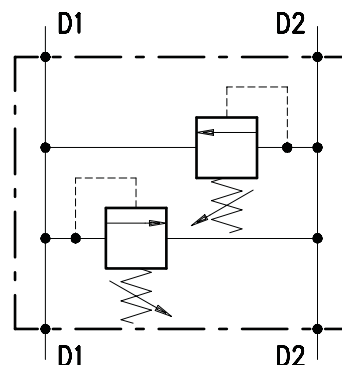


• **DIMENSIONS (mm)**

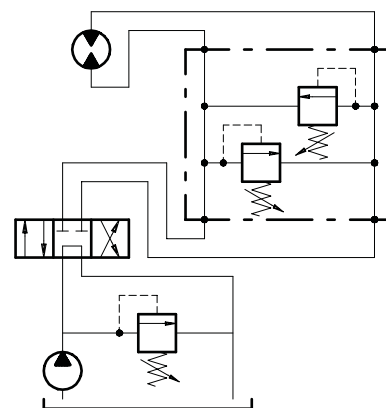


VAIL	A	D1	D2
20-34	100	G 3/4	G 3/4
20-100	120	G 1	G 1

• **HYDRAULIC DIAGRAM**



• **ASSEMBLY DIAGRAM**



• **DESCRIPTION**

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

• **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:

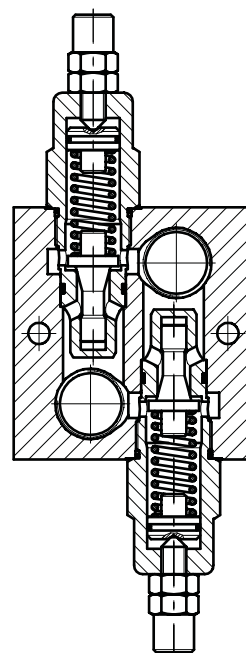
- min. -25°C max. 90°C with standard BUNA N gaskets
- min. -20°C max. 120°C with optional VITON gaskets

• **RECOMMENDATIONS**

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

Filter: see page Z.9000.000.

• **CROSS SECTION**



Weight:

- aluminium valves 2.00 kg
- steel valves 3.55 kg

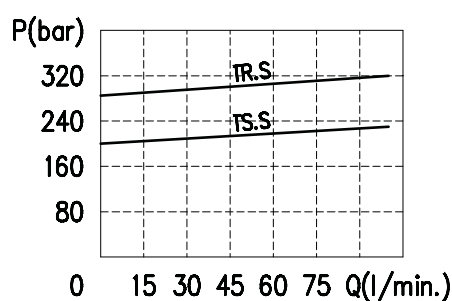
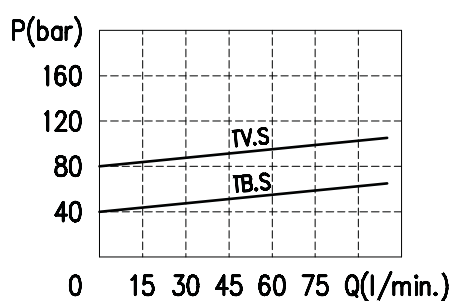
Cartridge used: see page 1.1000.300.

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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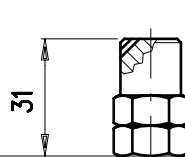
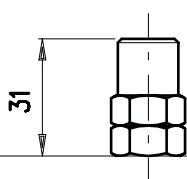
• RATING DIAGRAMS


Oil viscosity 46 cSt

• ADJUSTMENTS

S

W


• CODE NUMBER

VAIL 20 - □□ / □□ . □ / □□

Port size

34) 3/4" BSP
100) 1" BSP

Pressure settings (bar)

TB) 5÷40
TV) 20÷80
TS) 50÷220
TR) 180÷350

Adjustment

S
W

Body material

_ Aluminium
ac Steel