◆ OLEOSTAR

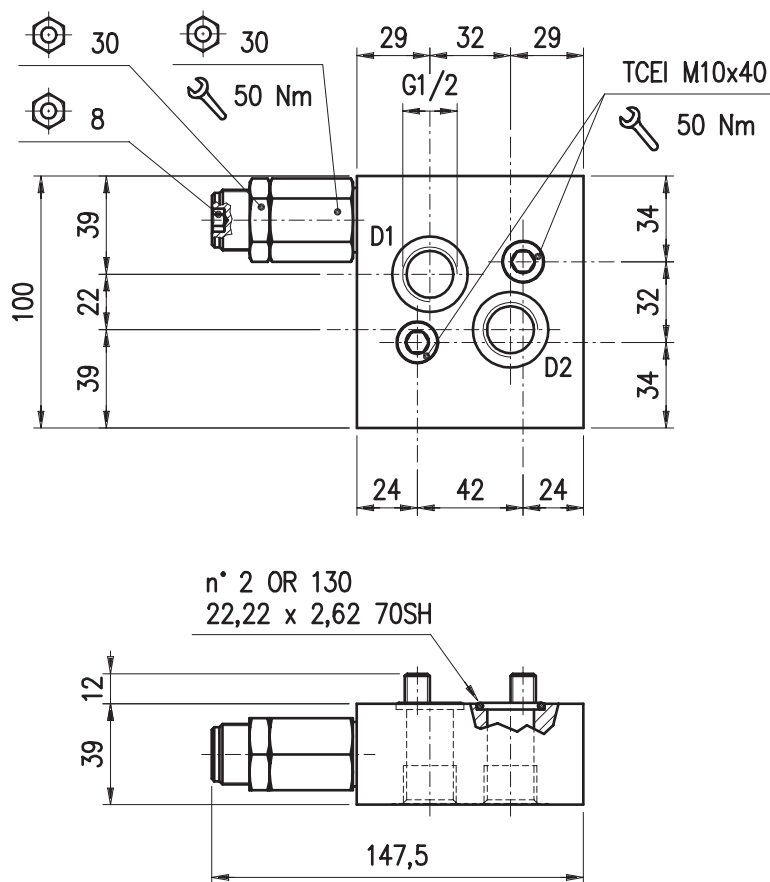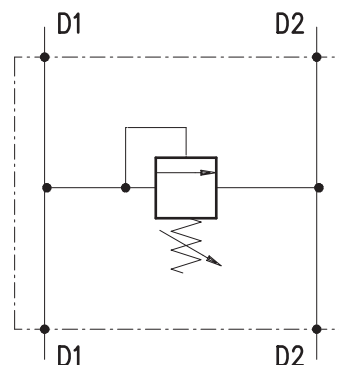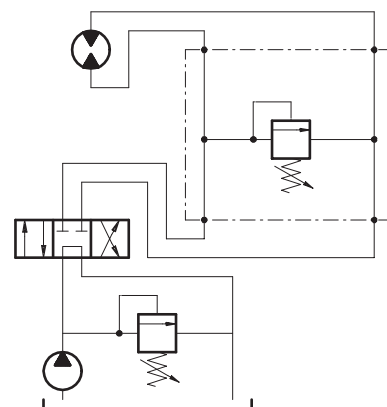## • DIMENSIONS (mm)

• HYDRAULIC DIAGRAM

• ASSEMBLY DIAGRAM

• DESCRIPTION

Single cross-line relief valve. Differential control, conical seat, face mounting for Sauer-Danfoss motor OMS series, including O-Rings and screws.

• OPERATION

Allows pressure relief on delivery pipes to engines and cylinders.

• PERFORMANCE

Maximum flow: 60 l/min.

Maximum Pressure:

− 210 bar aluminium valve

− 350 bar steel valve

Application range with standard springs:

− 5 ÷ 210 bar; pressure increase = 47 bar/turn (test setting: 150 bar at 5 l/min.) STANDARD

− 50 ÷ 350 bar; pressure increase = 99 bar/turn (test setting: 250 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.

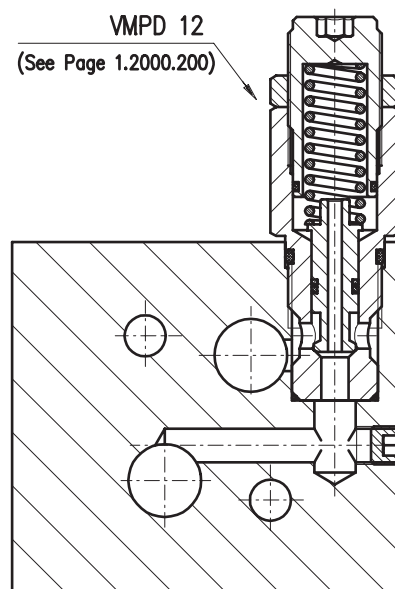**Oil leak between P and T:** disregardable.

Working temperature:

− min. -25°C max. 90°C with standard BUNA N gaskets

− min. -20°C max. 200°C with optional VITON gaskets

Spare parts KIT:

A) Screws and Seals (Ordering code: 5KTM0OMS00)

B) External Seals for cartridges type VMPD 12 (Ordering code: 5KT1200300)

• CROSS SECTION

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• RECOMMANDATIONS

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

Filter: see page Z.9000.000.

Weight:

− aluminium valves 0.9kg

− steel valves 1.7kg

Cartridge used: see page 1.2000.200.

Material: 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

P(bar)

320	TR.S
240	TS.S
160	
80	

0 10 20 30 40 50 Q(l/min.)
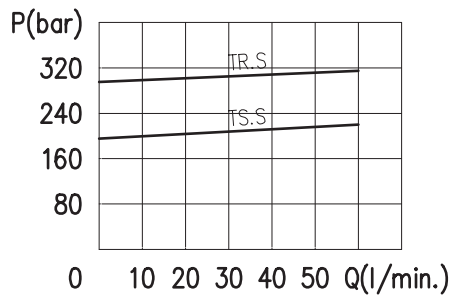
Oil viscosity 46 cSt

• CODE NUMBER

VADDF/OMS/S/12/ ☐☐.S / ☐☐

Pressure settings (bar)

TS) 5÷210
TR) 50÷350

Body material

_ Aluminium
ac Steel