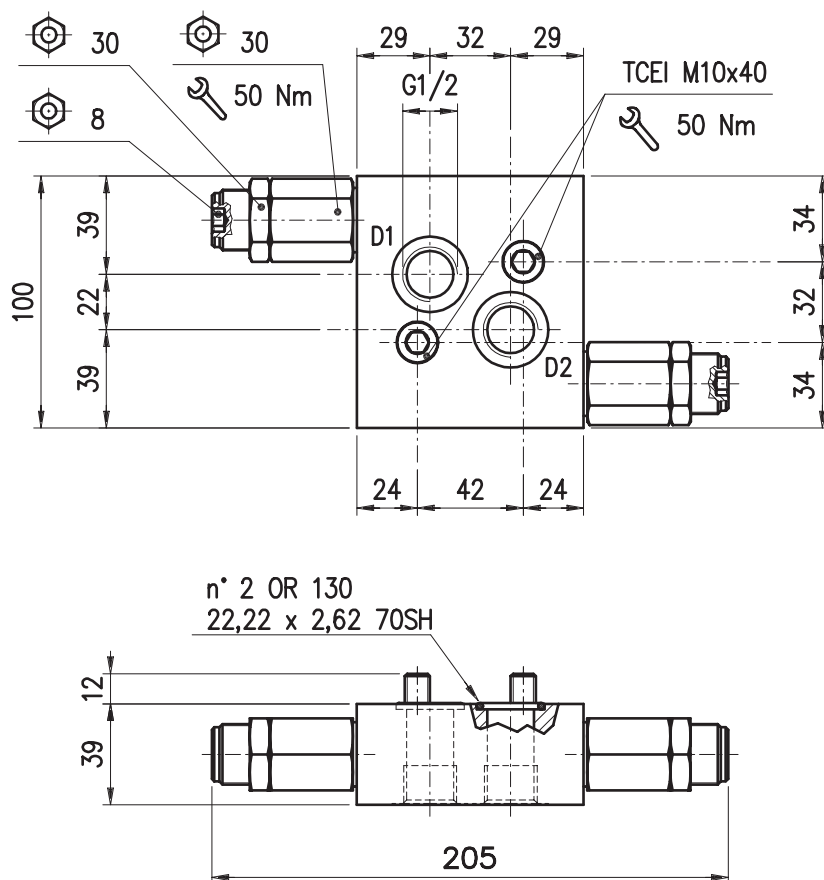
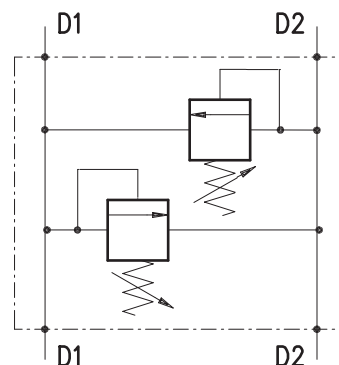


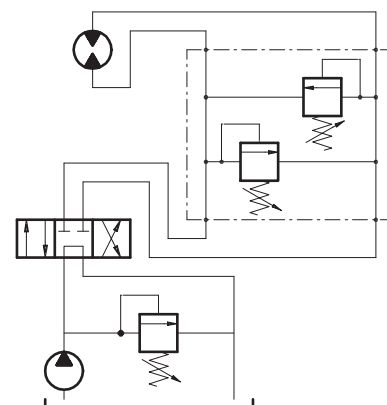
• **DIMENSIONS (mm)**



• **HYDRAULIC DIAGRAM**



• **ASSEMBLY DIAGRAM**



• **DESCRIPTION**

Dual 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:** disregarable.

**Working temperature:**

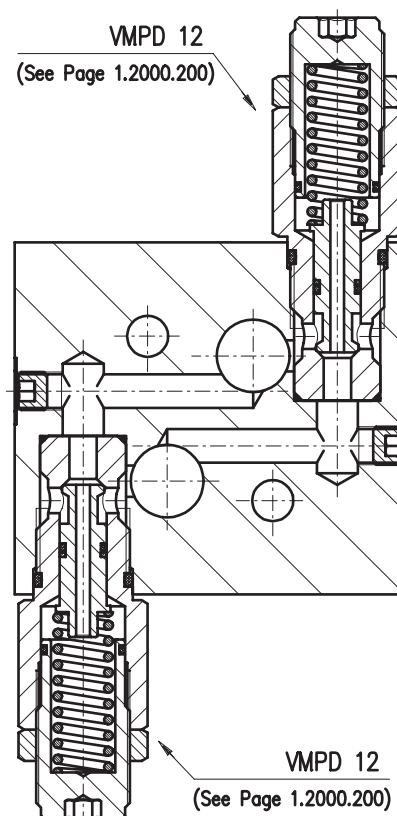
- min. -25°C max. 90°C with standard BUNAN gaskets
- min. -20°C max. 200°C with optional VITON gaskets

**Spare parts KIT:**

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

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

• **CROSS SECTION**



## • RECOMMENDATIONS

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

**Filter:** see page Z.9000.000.

**Weight:**

– aluminium valves 1.14 kg

– steel valves 2.00 kg

**Cartridge used:** see page 1.2000.200.

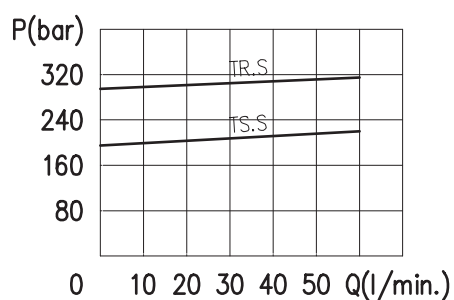
**Material:** made out of high grade steel duly treated and fabricated.

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



Oil viscosity 46 cSt

## • CODE NUMBER

VADDF/OMS/D/12/   .S /

Pressure settings (bar)

TS) 5÷210  
TR) 50÷350

Body material

\_ Aluminium  
ac Steel