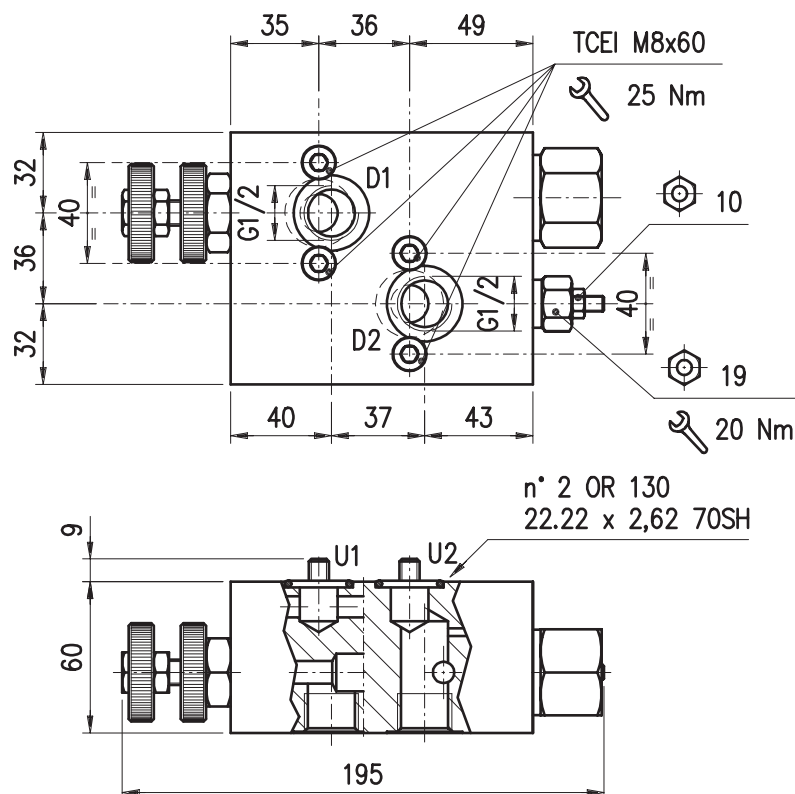


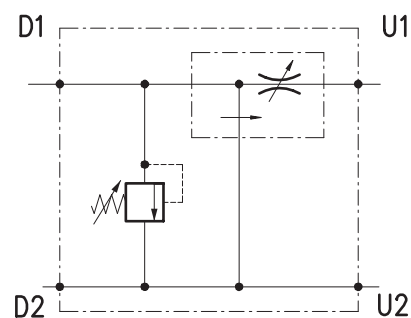
FLOW REGULATOR PRESSURE COMPENSATED VALVES (DANFOSS MOTOR) VPR/3/ET/VMP12/OMR



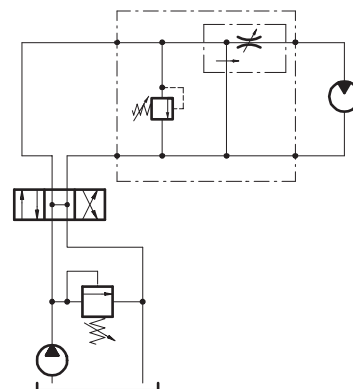
• DIMENSIONS (mm)



• HYDRAULIC DIAGRAM



• ASSEMBLY DIAGRAM



• DESCRIPTION

3-ways flow regulator, pressure compensated, with built-in relief valve on the checked way and exceeding flow to tank, face mounting for Sauer-Danfoss motor OMR Series, including OR and Screws.

• OPERATION

The valve is designed to provide flow adjustment from D1 to U1 by a variation of the oil flow section. Exceeding flow is concurrently discharged in D2-U2 while a pressure built-in relief valve provides operative pressure control on U1. Best performance of the valve is assured when the flow in D1 is at least 10% bigger than in U1. Pressure variations in U1 do not alter the checked oil flow. On the contrary, eventual back pressure in D2-U2 may cause inconstant capacity in U1.

• PERFORMANCE

Maximum flow: 50 l/min.

Maximum Pressure:

- Aluminium body 210 bar
- Steel body 350 bar

Maximum pressure compensation error: see performance graphs.

Working temperature:

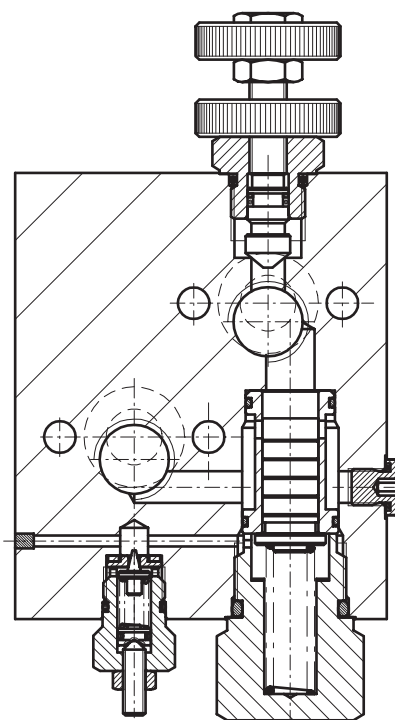
- Minimum -25°C max 90°C with standard BUNAN gaskets
- Minimum -20°C max 200°C with VITON gaskets on request

Spare parts KIT:

Screws and Seals (Ordering code: 5KTM0OMR02)

• CROSS SECTION

PARTS IN BODY



• RECOMMENDATIONS

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

Filter: see page Z.9000.000.

Weight: aluminium body 1,5 kg - steel body 3 kg

Relief cartridge valve: see page 1.1000.000.

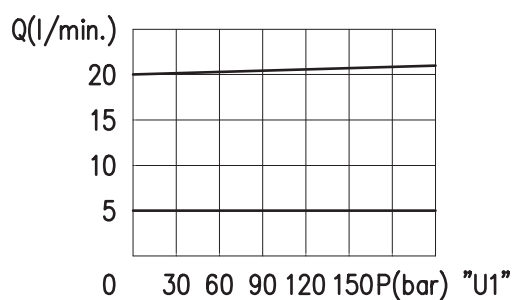
Material: internal components made out of high-grade steel duly treated and fabricated.

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

• CODE NUMBER

VPR/3/ET/VMP12/OMR/ □□

Body material

_ Aluminium
ac Steel