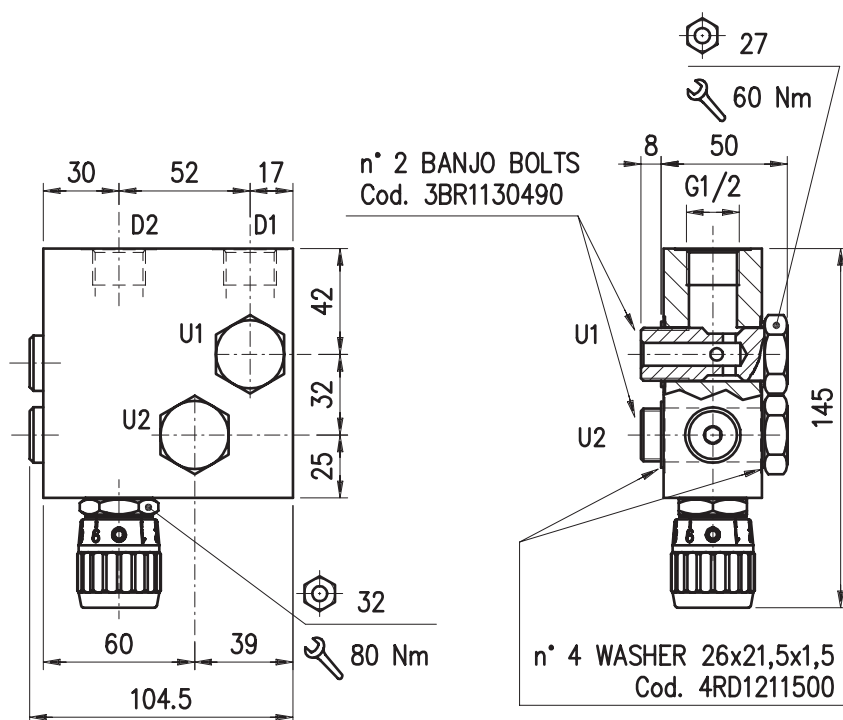


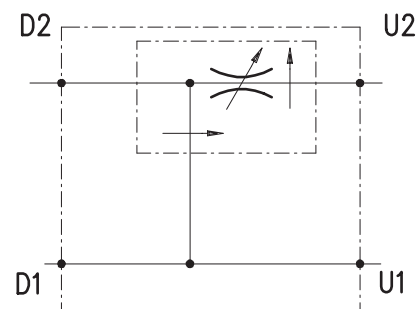
FLOW REGULATOR PRESSURE COMPENSATED VALVES (DANFOSS MOTOR) VPR /3/ EP 12/OMS



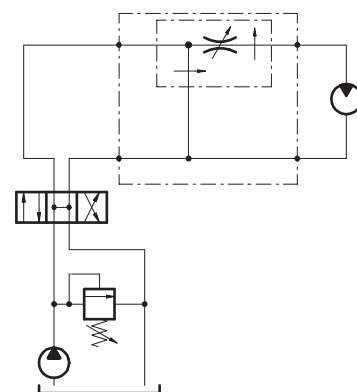
• DIMENSIONS (mm)



• HYDRAULIC DIAGRAM



• ASSEMBLY DIAGRAM



• DESCRIPTION

3-way flow regulators, pressure compensated, with exceeding flow to pressure, face mounting for Sauer-Danfoss motor OMS Series, including OR and Screws.

• OPERATION

These valves are designed for oil flow adjustment in U2 and exceeding flow in D1-U1 to pressure for other different applications. To assure top performance, 10% higher flow should be available in D2 more than in U2. The oil flow in U2 doesn't change when pressure in U2 and D1-U1 increases/decreases. Make sure that a pressure relief valve is always mounted between the pump and the flow regulator.

• PERFORMANCE

Maximum flow: 90 l/min in D2 and 50 l/min in U2

Maximum Pressure:

- Aluminium body: 210 bar
- Steel body: 350 bar

Maximum pressure compensation error: see performance graph.

Working temperature:

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

Spare parts KIT:

- banjo bolt (Ordering code: 3BR1130490)
- external seals PP12A (ordering code: 5KT0123000)

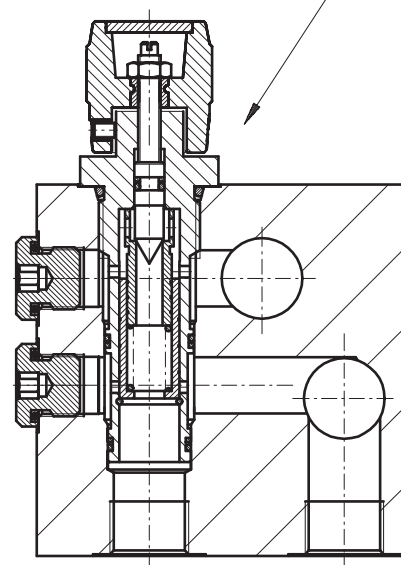
• RECOMMENDATIONS

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

Filter: see page Z.9000.000.

• CROSS SECTION

Cartridge Type: PP12A/AM0B
see page: K.5000.300



Installation: make sure to provide suitable gasket lubrication with clean oil before screwing the cartridge on the valve body. Also make sure to screw the cartridge manually in to reach against the gaskets in the valve body.

Weight: Alluminium body: 1,1 kg; Steel body: 2,2 kg

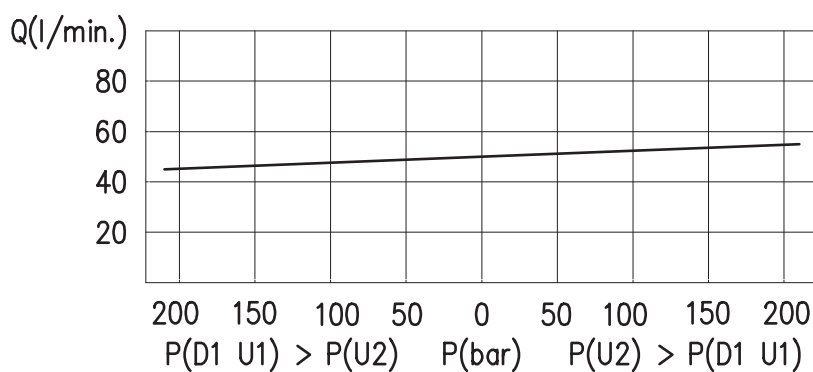
Cartridge used: see page K.5000.300.

Material: 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.

• RATING DIAGRAMS



• CODE NUMBER

VPR /3/ EP 12/OMS / □□

Body material

_ Aluminium
ac Steel