Reservoir Extraction Unit
REU

Description

The ReservoirExtraction Unit REU is supplied as an accessory to the FluidControl Units. The REU is a self-priming motor-pump unit which makes it possible for the FCU to measure oil cleanliness even in depressurized reservoirs, tanks or leakage oil lines.

The oil being analysed is drawn through the suction strainer at inlet port (S). The gear pump supplies the oil at a maximum pressure of 20 bar (290 psi) to the pressure port (P) so that it can be analysed by the FCU.

The pressure relief valve relieves any positive pressure via connection (R) as leakage oil.

Applications

- Hydraulic and lubrication systems

Advantages

- Motor-pump unit to supply FCU 2000 and FCU 8000.
- Portable unit for service work.
- Can be used even with highly viscous fluids.
- Continuous operation possible.

Technical details

Suction port connection	Male coupling for supplied suction hose DN 7
Pressure port connection	Minimess coupling type 1620
Viscosity range	20 to 1000 mm²/s
Max. suction height	500 mm
Max. operating pressure	20 bar
Flow rate	≈ 0.5 l/min at 100 mm²/s
Fluid temperature range	0 to + 70 °C
Ambient temperature	0 to + 40 °C
Seals	NBR
Weight	≈ 4.5 kg
Duty cycle	100%
IP class	IP 44

Model code

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                    REU  14  3  0  - 1 -  M
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Type
REU = Reservoir Extraction Unit

Model
14 = Standard

Motor/pump
3 = Standard

Fluids
0 = For standard mineral oils

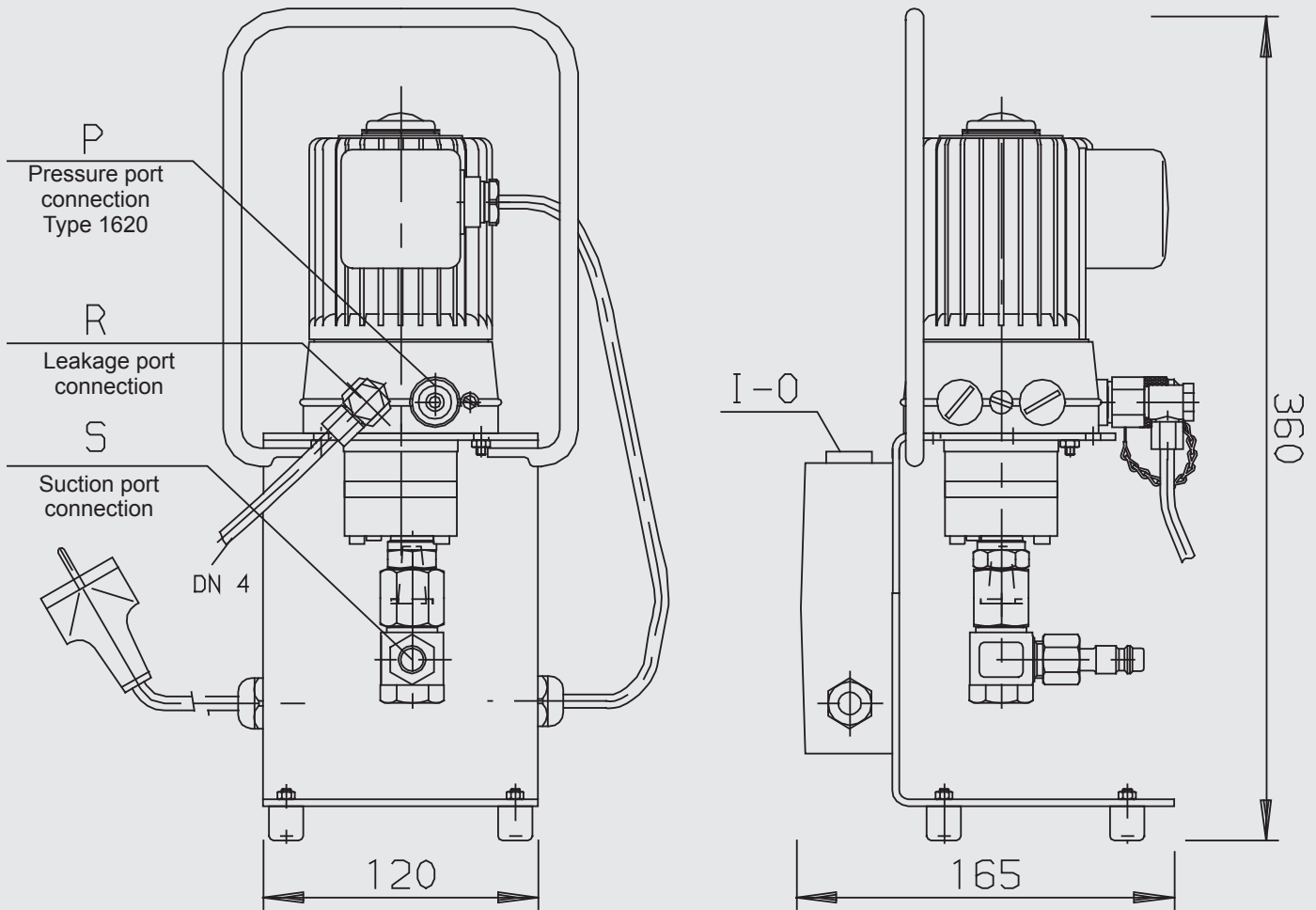**Options**
1 = Standard, without options

Power supply
K = 110 VAC / 60 Hz / 1 phase, USA/CDN
M = 230 VAC / 50 Hz / 1 phase, Europe

Scope of delivery
– REU
– Suction hose DN 7 (2m long)
– Operating Instructions

Dimensions

P
Pressure port
connection
Type 1620

R
Leakage port
connection

S
Suction port
connection

DN 4

120

I – 0

165

360