

EQ-39

Oil Extraction Plant



Krampitz

CUBIC GOOD

Field of application

Decentralized pump station to be put up next to the engine's oil pan for pumping off the old oil. Can be used for larger distances between the oil supply system and the combustion engine.

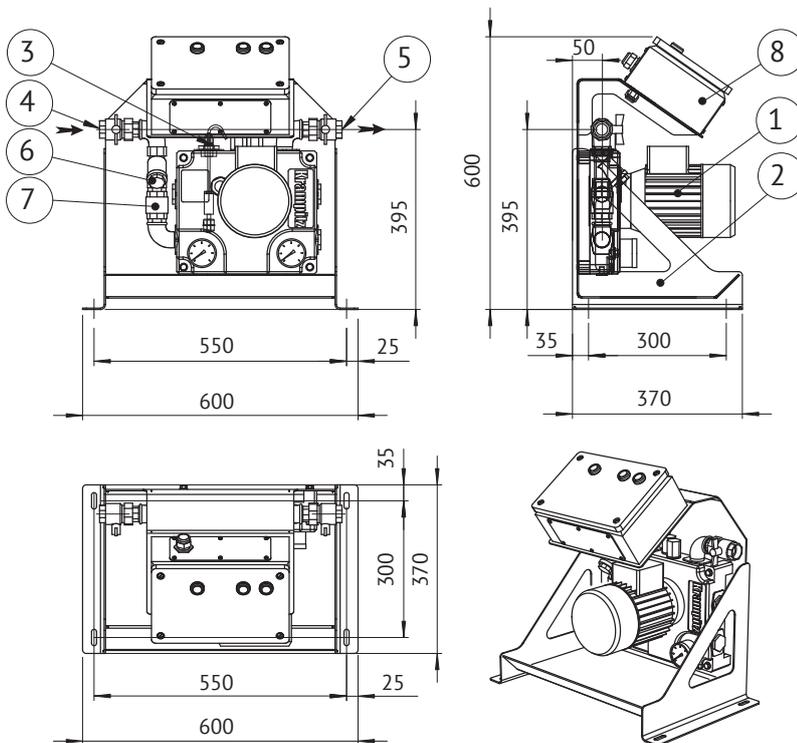
Functional principle

The old oil extraction unit OSP is a centralized system for pumping old oil from the oil pans of combustion engines. The advantage of the system is that the unit is directly located at the engine's oil pan, so that the old oil can be pumped over longer distances to the old oil tank without any problems (no cavitation). The OSP consists of a sheet-metal structure for housing the old oil pump unit as well as the decentralized electric control. An integrated collector pan provides protection against a possible contamination in the event of small quantities leaking out of the system. The OPS will be switched on and off independently of the central control of the IDEAL (MAXIMAL).

Safety devices integrated into the pump casing:

- a level probe at the suction side will protect the pump against dry runs and switch off the OSP automatically, when the engine oil pan has been pumped dry;
- push-button 1 (manual pumping) will have to be kept pressed during the initial start-up until the pump body is full of old oil; thereafter, the control will switch off the pump. The intake push button will only bridge the dry run protection.

Technical equipment



Z-PG-26 block pump unit

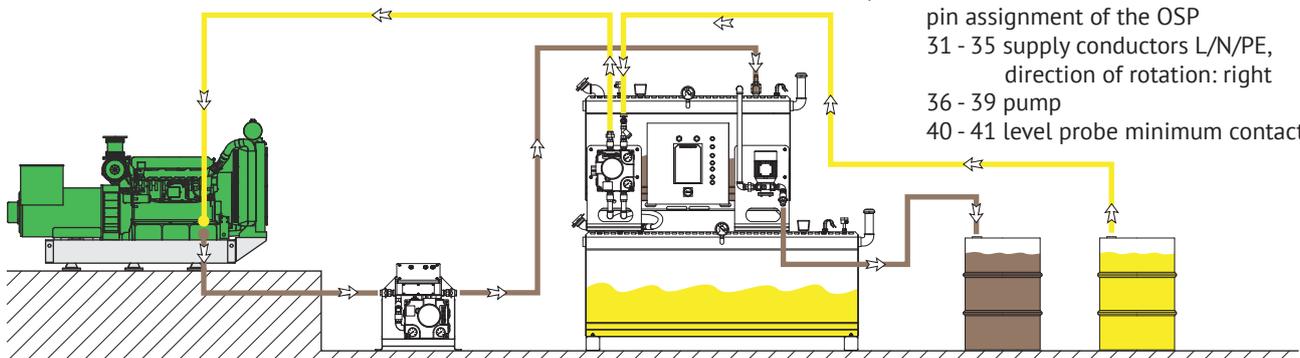
pump capacity	26 l/min
speed	1.400 rpm
pressure	5 bar
suction head	6 m
voltage	Y 400 V / Δ 230 V
current	2,1 A / 3,6 A
frequency	50 Hz
electric power	750 W

Item Designation

- 1.) pump unit type Z-PG, consisting of:
 - pump body
 - 2x manometers (-1.0 ... +9.0 bar)
 - motor 400 V, 50 Hz
 - 6 x connections G 1" (F)
 - 2x pressure limiting valves 1"
 - inspection glass
 - 2x discharge outlets with screw plug
- 2.) draining pan
- 3.) level probe minimum contact
- 4.) suction side 1"
- 5.) delivery side 1"
- 6.) dirt trap
- 7.) check valve
- 8.) switchbox

pin assignment of the OSP

- 31 - 35 supply conductors L/N/PE, direction of rotation: right
- 36 - 39 pump
- 40 - 41 level probe minimum contact



Material	Approval	Documentation	Sheet
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