



CLEAN OIL  
BRIGHT IDEAS

# Desorber D10

Water Separation from Oil - Max. 0.2 L/hour

Applications: Thrusters, Stern Tubes, Hydraulics, Synthetic Fluids

## CJC™ Product Sheet

### THE APPLICATION

CJC™ Desorber D10 - a very compact desorber - is used for **separation of water from oils in**

- Thrusters
- Stern Tubes
- Hydraulic Applications
- Synthetic Fluids
- Smaller gears with smaller oil volumes

The advantage of the CJC™ Desorbers are that the water separation ability is unaffected by viscosity and additive package. The Desorber treats mineral oils as well as synthetic fluids, and is even able to break stable emulsions. The Desorber D10 is able to remove 0.2 L/h of water, and is able to maintain the water content within systems to very low levels.

Intended for:

- Oil volumes less than 2000 L
- Viscosity range ISO VG 32-150

### THE FUNCTION

The desorption process is based on the principle that heated air can effectively hold large quantities of water. In the Desorber the oil, preheated to 60°C, is met by a counter flow of cold, dry air. The air is heated very quickly by the hot oil and absorbs any water present in the oil, until the air is saturated.

Water in oil leads to change in viscosity, reduced filter ability, reduced lubricity, formation of rust and bacterial growth and increased degradation of the oil - all factors that lead to reduced lifetime of both system components and the oil.

### FEATURES

- Removes water even from emulsified oil
- Extends the lifetime of both oil and components
- Prevents uncontrolled shut downs and reduces maintenance costs
- Compact in size - fits through most hatches



*The CJC™ Desorber D10*

	Dimensions CJC™ Desorber D10
Height	1,000 mm
Length	570 mm
Width	570 mm
Weight	100 kg
Water removal, max.	0.2 L / hour
Voltage	1 x 230 V
Frequency	50 or 60 Hz
Current	11.3 A
Flow inlet (nominal flow)	45 L / hour
Flow outlet (nominal flow)	60 L / hour

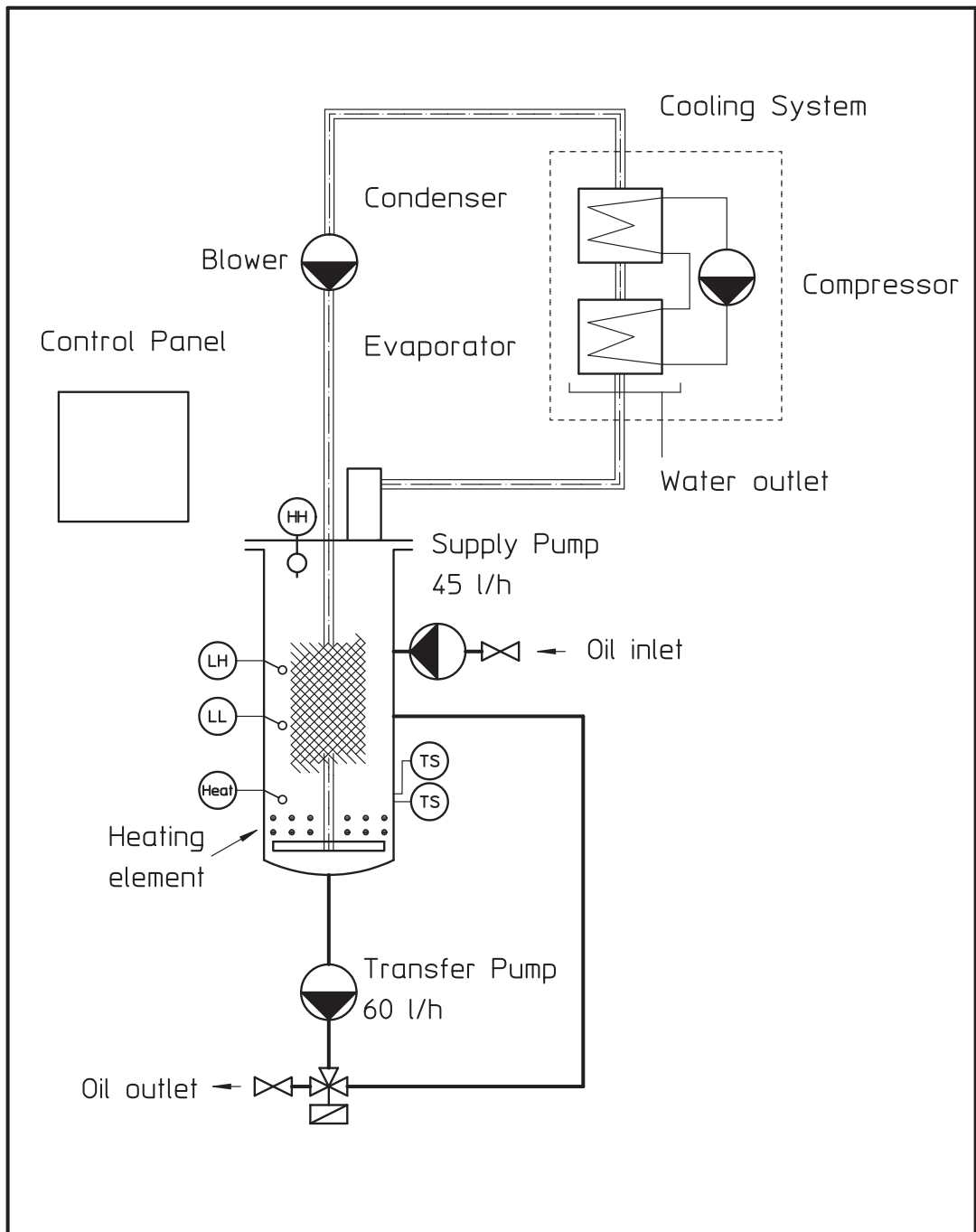


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CJC Desorber type D10 Piping Diagram				