



CLEAN OIL
BRIGHT IDEAS

Desorber D10

Water Removal from Oil

Applications: Thrusters, Stern Tubes, Hydraulics, Synthetic Fluids

CJC™ Product Sheet

THE APPLICATION

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

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

CUSTOMER BENEFITS

The advantage of the CJC™ Desorbers are that the water removal 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 range is able to remove larger amounts of water, and is able to maintain the water content within systems to very low levels.

- 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 CHALLENGE

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.

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.



The CJC™ Desorber D10

TECHNICAL DATA

CJC™ DESORBER D10		50 HZ	60 HZ
Height	mm	1,000	
Length	mm	570	
Width	mm	570	
Weight	kg	100	
Voltage	V	1 x 230	
Power consumption	kW	1.7	
Current	A	11.3	
Flow inlet (nominal flow)	L/hour	45	55
Flow outlet (nominal flow)	L/hour	60	75



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PIPING DIAGRAM
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