



CLEAN OIL
BRIGHT IDEAS

Desorber D88

Water Removal from Oil - Max. 15 L/hour
Applications e.g.: Steel Mills, Paper Mills, Waste Oil

CJC™ Product Sheet

THE APPLICATION

CJC™ Desorber D88 is used for removal of water from oils in

- Steel Mills
- Paper Mills
- Waste Oil Recovery Plants
- Biodiesel Plants
- Large Hydraulic Systems

The advantage of the CJC™ Desorbers is 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 CJC™ Desorber D88 is able to remove up to 15 L/h of water, and can dry the oil down to a water content of < 100 ppm, depending on the oil type.

Intended for:

- Oil volumes less than 50,000 L
- Viscosity range ISO VG 32-1000

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 60-85°C, is met by a counter flow of cold, dry air. The air is heated very quickly by the hot oil and will absorb any water present until the air is saturated.

Water in oil leads to change in viscosity, reduced filter ability, reduced lubricity, formation of rust, 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
- Easy to connect and operate



The CJC™ Desorber 88

	Dimensions CJC™ Desorber D88
Size (L x B x H)	2.0 x 1.6 x 2.5 m
Weight	1750 kg
Water removal, max.	15.0 L / hour
Voltage	3 x 400 V
Frequency	50 Hz
Current, max.	86 A
Power consumption, max.	60 kW
Pump flow	1400 L/hour
Blower capacity	165 m³/h
Heat capacity	37 kW
Rise of temperature, max.	50 °C
Cooling media	Water / refrigerator
Oil connections	Inlet: DN25, PN16 Outlet: DN32, PN16
Material	Black steel and stainless steel



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