

*For lube and hydraulic oil tanks. Refrigerated air dryer solves the water problems for your hydraulic and lube oils.*



Condensation and moisture in oil tanks is a never ending source of contamination and corrosion. **Tribodryer** has been designed to alleviate the problem, increase the life of the oil and the tank, and help improve the performance of your equipment. Water in oil causes serious problems with all machinery. Machinery problems lead to costly downtime, deterioration of equipment, and/or low quality of manufactured products. Oil containing water must be changed, an unpleasant and costly measure that also is hazardous to the environment

## Application

The *Tribodryer* is an industrial dehumidifier for use on hydraulic and lubrication oil tanks. The tank is kept dry by removing moisture from the air at the top of the tank. Tanks up to 12000 gal (50m<sup>3</sup>) in size can be dehumidified by a *Tribodryer*.

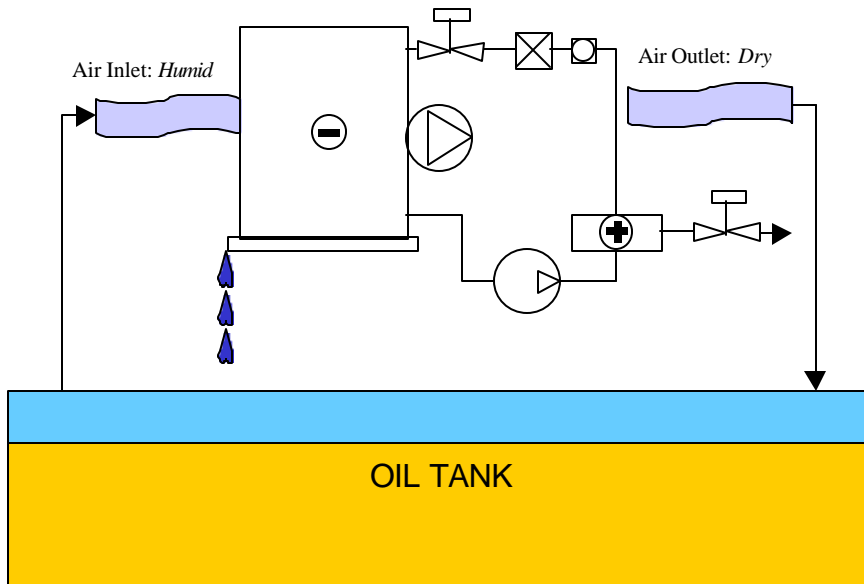
## Benefits

- Removes water from oil through dehumidification of air
- Fully automated
- Easy to install has no costs for disposal
- No service costs or ongoing maintenance
- Will not affect or remove oil additives
- Will not cause ingress of particulate into the system
- Keeps the air space in your oil tanks dry

## Technical Data

Dimensions	500 mm L x 360 mm W x 420 mm H
Weight	33 lbs (15 kg)
Voltage	110V 60hz
Power consumption	600 W
Water seperation	0.4 gph (1.5 l/hr) max
Air Suction & delivery	4 inch (100mm)

## Refrigerated air dryer solves the moisture problems in your tanks and reservoirs



### Hose material for suction and delivery connections

Reinforced nylon or oil resistant rubber/plastic  
 Maximum 5 m length each  
 Cooling water: 25 GPH (100 LPH) fresh water  
 Water inlet/outlet connections: 1/2" NPT

### Automatic operation Control

The Tribodyrer is governed by an adjustable time relay

### Operating lights

Green The unit operates normally  
 Yellow The unit has stopped intentionally for automatic defrosting  
 Red Alarm (e.g. lack of cooling water)

### Controls

On/Off switch  
 Alarm reset button

## Water in oil will damage the machinery

Water in oil is undesirable and can cause corrosion in the system components. It also accelerates the oxidation of the oil and the depletion of oil additives. Roller bearings are very sensitive to water. Very low water content can cause problems in roller bearings.

## Design

The Tribodyrer is essentially a refrigerated air dryer. Humid air is taken from one side of the oil tank and cooled in a cooling coil where moisture precipitates out as condensate. Thereafter the dehumidified air is fed back into the tank via a fan on the opposite side of the tank.

The refrigeration system is water cooled, maximizing operational stability and minimizing the size of the entire unit. The casing is made of stainless steel and the internal components are made mainly in copper and aluminum. Stainless steel coils available upon request.

Distributor

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