



UNI - VAC OIL DEHYDRATION UNIT



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For higher water contents
use "UNI-VAC" prior to cdoc

*The
Most Effective Method
Of
Removing Water
From
Oil*

FEATURES

- ▶ Removes water in single pass.
- ▶ Does not remove additives from oil.
- ▶ Flow pattern does not agitate the oil.
- ▶ Modular design.
- ▶ Weather-proof enclosures.
- ▶ Designed for unattended operations.

TECHNICAL PARAMETER

Viscosity (Max) : 700 cst (at 40° C)

Circulation flow rate : From 5 Lpm. to 30 Lpm.

Max. size of the reservoir : 10 M³

Temperature Range : 15-60° C

Water removal : 100 % of free water & gases. Removal of dissolved water to as low as 50 ppm

Elect. Supply : 230 V or 415 V, .50 Hz, A.C.

Electrical power consumption : 7500 W

Vacuum dehydration is the only comprehensive method for complete removal of water from the oil. Through low temperature distillation in combination with fine filtrations (CDOC), Oil can be returned to 'New' conditions.

Uni - Vac System is designed for fully automatic or manual unattended operation.

The Uni - Vac principally functions to remove water and light hydrocarbon from oil. The system is operated under vacuum condition and the oil is forced by atmospheric pressure through heating chamber to raise the oil temperature to a desired level. The oil is then drawn in to a vacuum chamber where it is exposed in the form of thin layer to the vacuum at a very slow flow rate. The oil exposed to vacuum, where water (free, dissolved and emulsified), dissolved gasses, air and other low range volatile are boiled by a heat / vacuum process.

With this process, the oil is purified and conditioned to a safe operational standard.

No additives or detergent are removed.

APPLICATIONS

- ▶ Plastic machinery
- ▶ Construction machinery
- ▶ Hydraulic Press
- ▶ Aviation
- ▶ Turbine oil in hydro power station
- ▶ Instrumentation & Refrigeration
- ▶ Earth moving equipment
- ▶ Aluminum / non ferrous Extrusion plants
- ▶ Plywood hot press.
- ▶ Servo valve - controlled hydraulic system.
- ▶ Leather Processing
- ▶ Mining machinery
- ▶ Transmission equipments
- ▶ Machine tools
- ▶ Automobile Industry etc.
- ▶ Power Press
- ▶ Steel industries
- ▶ Sugar Mill



**CEE DEE
VACUUM EQUIPMENT PVT. LTD.**

AN ISO 9001:2008 CERTIFIED COMPANY

W W W . c e e d e e v a c u u m . n e t

Manufacturer



IN COLLABORATION



**CEE DEE
VACUUM EQUIPMENT PVT. LTD.**

REGISTERED OFFICE

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