

Vacuum Dehydrator Units

Precision Filtration Products



Our vacuum dehydrators, or water particulate removal systems (WPRS), are designed to maximize water extraction and achieve an overall water content down to 25 ppm or lower.

These units are also designed to remove harmful gases and particulate contamination which will result in clean, dry oil. Our typical flow rates range from 2-100 GPM and can be used on a wide range of products including gear oils, hydraulic oils, lube oils, phosphate ester, paper machine, and insulating oils.



Standard Vacuum Dehydrator Features



- ✓ **Dry claw style vacuum pump** which requires less maintenance
- ✓ **Phase reversal switch** to ensure proper phasing/motor rotation
- ✓ **Variable frequency drive speed control** which offers versatility on high viscosity oils or cold oil applications
- ✓ **Stainless steel anti-wear media** in vacuum tower which never needs to be replaced, eliminating costly element change outs
- ✓ **Stainless steel wetted fittings**
- ✓ **Insulated incoloy low watt density heater** which prevents coking of oil and additive damage
- ✓ **Positive displacement gear pump** with built-in adjustable relief valve
- ✓ **Absolute rated micro-glass element** with Beta>1000 per ISO 16889, available in various micron sizes
- ✓ **Fusion bonded internal epoxy powder coating** which is highly corrosion resistant, and is a thicker denser finish compared to wet epoxy coating



Optional Features

- Custom Sizes
- Particle Monitors
- Auto Water Purge
- Foam Sensor
- Moisture Monitor
- Lifting Structures
- Various Voltage Configurations



Applications

- Power Generation (Turbine, Gear, EHC)
- Pulp & Paper (Paper Machine Oil, Gear Oil)
- Mining (Sag Mill Gear)
- Manufacturing Plants (Hydraulic & Gearbox)
- Marine (Azipod Hydraulics)
- Steel Mills (Large Gear Box)



Call (888) 679-6645 to learn more.

Rental & Purchase Options



Precision Filtration Products | Pennsburg, PA
215-679-6645 | 215-679-6648
sales@pfpusa.com | www.pfpusa.com

