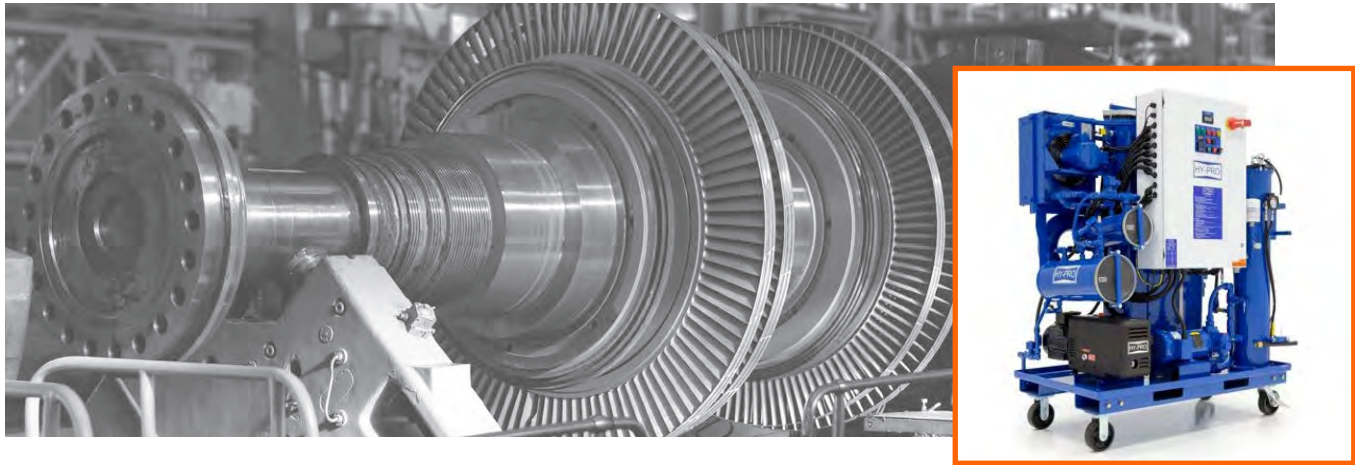


Vacuum Dehydrator



Description

Vacuum Dehydration Units are designed to purify oil from a wide range of machine reservoirs. These units efficiently remove water, gases, and particulate contaminants, restoring the integrity of lubricating, hydraulic, turbines, and switch oils. By delivering superior dehydration and filtration, these system ensures your oil meets the requirements that make lubricants fit for use and meeting strictest quality standards, regarding degassing and contamination cleanness levels. Reliable and versatile, these units are the ultimate solution for maintaining optimal oil performance and extending equipment life.

Moisture formation and management

Moisture in oil systems reduces equipment reliability, shortens component lifespan, and lowers plant availability. When moisture exceeds the oil's saturation point, it causes acidity, loss of lubrication, and, in severe cases, visible water pooling in reservoirs. Many systems surpass safe moisture levels due to ineffective dehydration and high water ingress. Heated oil absorbs more water, but as it cools, free water forms, accelerating wear and damage. Fluid type and temperature fluctuations further complicate moisture control. Without proper dehydration, oil integrity deteriorates, leading to costly downtime and repairs. Advanced dehydration technology is essential to tackle these challenges, ensuring optimal system performance, protecting critical components, and extending equipment life.

Aeration management

Aeration and gas contamination in turbine oils can severely impact asset reliability and performance. Trapped air forms bubbles, leading to foam, oxidation, loss of lubrication, and excessive component wear. Dissolved gases accelerate oil degradation, causing erratic operation, reduced efficiency, and cavitation damage in hydraulic systems and turbines. These issues increase maintenance costs and downtime. Vacuum dehydration systems effectively remove entrained air, harmful gases, and water contamination, ensuring optimal lubrication, extended oil life, and long-term asset protection. Invest in advanced oil management solutions to safeguard performance and reliability.

Lubrigard has your back...

Removing dissolved gases from a turbine system improves oil stability, reduces the risk of oxidation, and prevents cavitation damage in pumps and turbines. This ensures smoother operation, extends component life, and enhances overall system efficiency and reliability.

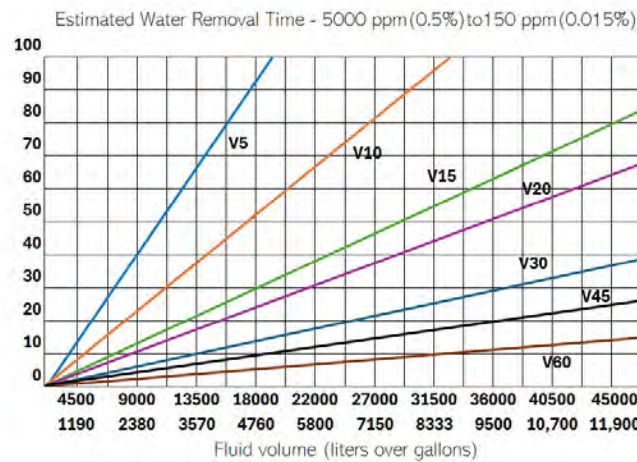
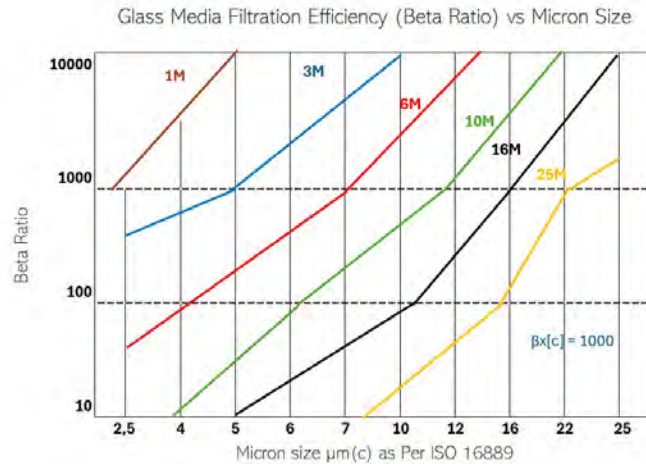




High performance particulate filter elements $\beta_{x[c]} > 1000$

Particulate filter - A generously sized filter with a high efficiency filter element yields lower ISO Fluid Codes and enhances overall reliability. Achieve world class turbine lube reservoir cleanliness down to 14/12/9 with Vac-U-Dry high efficiency coreless filter elements. All elements include an integral bypass valve so the bypass valve is new with each element.

Media selection - Vac-U-Dry is available with a wide assortment of filter element media options to fit your specific application. Whether you're running low viscosity turbine lube oil requiring super cleanliness or conditioning high viscosity steel mill lubrication systems Hy-Pro will help you make the right selection.



| Model | Length inch (mm) | Width inch (mm) | Height inch (mm) | Crated weight LBS (kg) | Dispersal element qty | Inlet connection | Outlet connection |
|-------|------------------|-----------------|------------------|------------------------|-----------------------|------------------|-------------------|
| V3 | 48 (1220) | 32 (813) | 50 (1270) | 850 (386) | 2 | "1' male JIC" | "¾ male JIC" |
| V5 | 56 (1422) | 32 (813) | 70 (1778) | 1700 (771) | 2 | "1' male JIC" | "¾ male JIC" |
| V10 | 56 (1422) | 32 (813) | 70 (1778) | 1900 (863) | 3 | "1 ½' male JIC" | "1' male JIC" |
| V15 | 56 (1422) | 32 (813) | 70 (1778) | 1990 (904) | 3 | "1 ½' male JIC" | "1' male JIC" |
| V20 | 72 (1829) | 36 (914) | 70 (1778) | 2100 (954) | 4 | "3 ½' male JIC" | "1' male JIC" |
| V30 | 84 (2134) | 40 (1016) | 70 (1778) | 2500 (1136) | 4 (ext. length) | "2' male JIC" | "1' male JIC" |
| V45 | 84 (2134) | 48 (1219) | 80 (2032) | 2840 (1290) | 8 (ext. length) | "2' male JIC" | "2' male JIC" |
| V60 | 84 (2134) | 60 (1524) | 80 (2032) | 3210 (1457) | 8 (ext. length) | "3' male JIC" | "2' male JIC" |
| V100 | 96 (2438) | 96 (2438) | 80 (2032) | 7200 (3265) | 16 (ext. length) | "3' male JIC" | "3' male JIC" |

*Dimensions and weights are for standard models with D and L vacuum pump options. Selecting C vacuum pump option will add length and possibly width. For more exact dimensional information we invite you to build your part number and then contact us for possible deviation from standard dimensions

