



XLP Series Oil Purifiers

Offline Water, Particulate and Gas Control Simplified

Low Cost of Ownership

Simple Operation

Superior Performance

Built For Power Gen

Low Cost of Ownership

- The dry claw vacuum pump requires no cooling or seal water/oil. The only required service is an annual oil change that takes less than a quart of oil and 15 minutes.
- High capacity filtration means fewer filter service indications.
- Minimal heat input means lower energy usage. The heater only engages when the oil is cooler than 120° F.
- Power supply is 480V/3Ph/60Hz with no other utilities or drains required.

Simple Monitoring and Control

The PowerFlow XLP Series is the product of 30+ years of installing and servicing oil purifiers in many environments and applications. Our goal was to create the best user experience possible.

The innovative design includes many reliability, ease-of-use and performance features aimed at maximizing operational efficiency and uptime.

XLP purifiers are designed to operate continuously across a wide range of viscosities, elevations and pipe runs with no adjustments, ancillary equipment or operator intervention required. They are fully self-contained and self-diagnosing with PLC controls and a large color touchscreen HMI.

A full gauge panel provides convenient analog monitoring of vital system parameters, including oil pressure and temperature, vacuum level, and oil filter differential pressure. A water sensor continuously monitors water content and oil temperature.

Scheduled maintenance simply consists of changing the vacuum pump timing gear oil annually.





Unique Packed Column Design

XLP Series oil purifiers utilize a packed column vacuum tower designed to minimize the need for additive heat and vacuum. Engineered to create an ultra thin, cascading film of oil, it greatly increases the oil surface area and supercharges the mass transfer rate. As a result, less heat (<140° F) and vacuum (< -22 inHg) are needed to efficiently remove water and gases. This gentle process eliminates the risk of oil degradation common with other dehydration systems. The XLP packed column design is unmatched in performance, while eliminating the risk of oil degradation.

Built For Power

- Fully conforms to ANSI B31.1 Power Piping Code and B31.3 Process Piping Code.
- Lighting meets Power Industry Standard (Red - On/Running, Green - Off/Standby).



Dry Claw-Style Pump



Specifications

Flow Rate: 5, 10, 20, 50 GPM

Viscosity Range: 3 - 1100 cSt

Seals: Fluorocarbon or Buna-N

Electrical Enclosure: NEMA 4

Voltage: 480, 380 or 575 VAC

Inlet Fluid Temp: 165° F max

Ambient Temp: 32° F to 105° F

Inlet Pressure Range: 14 inHg (v) to 10 PSI

Outlet Pressure Relief Setting: 80 PSI

Operating Vacuum Range: 15 - 22 inHg (v)

Heater Capacity: 4 - 30 kW (low Watt density)

Paint: Epoxy powder coated

Fluid Filter: 3 micron. $\beta=1000$. High capacity

Exhaust Coalescer: 0.3 micron



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