



PURLUBE™ Oil Conditioning System

Your Challenge:

You need to do everything you can to improve the efficiency of your plant. Reduce downtime. Reduce repair costs. Reduce waste. Now you can dramatically reduce the risk of unplanned equipment failure by improving the condition of the lubricants.

Solution:

The PURLUBE™ is an advanced, simple and effective on-line system that utilizes the principal of air stripping to remove water from your hydraulic oils and industrial lubricants. The Colfax PURLUBE™ efficiently outperforms centrifuges, coalescers and the much more complicated vacuum dehydration systems.

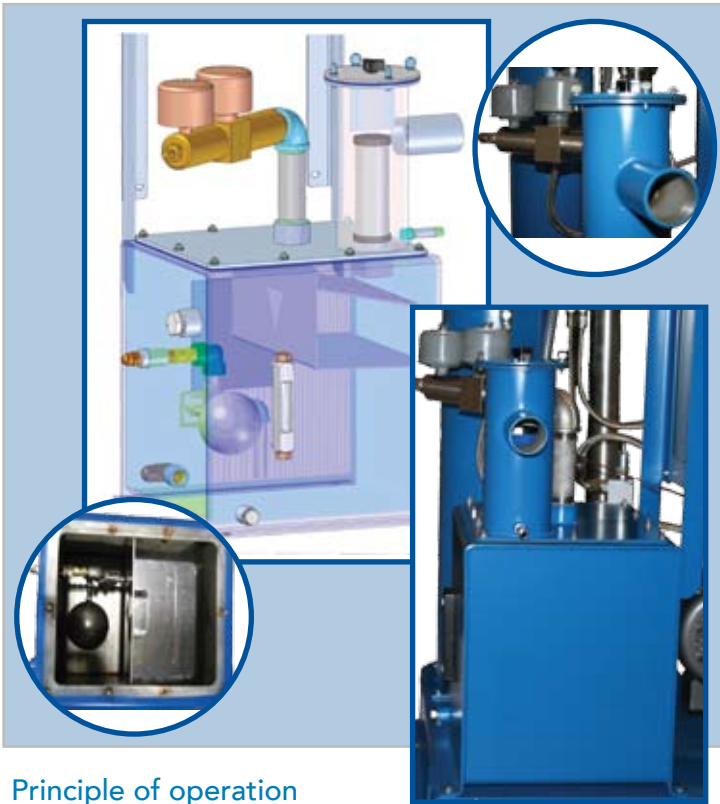
Results:

You get immediate results that go straight to your bottom line. The PURLUBE™ eliminates all machinery failure due to poor oil quality. It also eliminates the need for oil changes and expensive and toxic oil waste by always keeping your oil like new. You immediately save money by eliminating the need for new oil purchases and expensive oil inventories. Even your most basic maintenance procedures such as filter changes take place much less frequently. Perhaps most important, the PURLUBE™ improves the overall efficiency and reliability of your expensive rotating equipment.



Increase your rotating equipment efficiency, effectiveness, uptime.



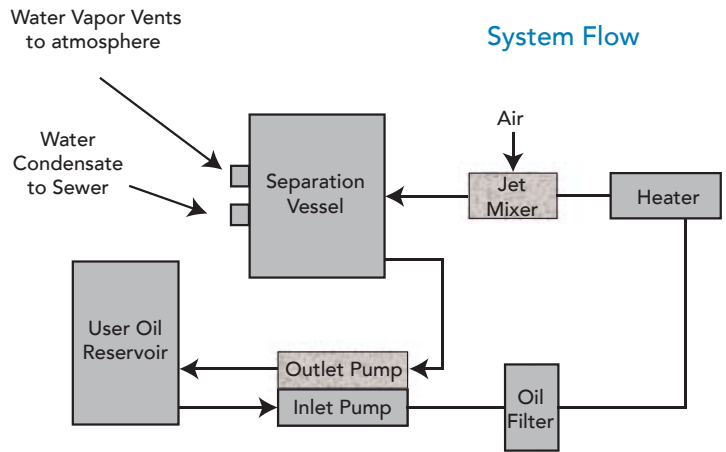


Principle of operation

The PURLUBE™ works on the principal of air stripping. The use of air bubbled through contaminated liquids has long been used to remove contaminants. But the use of this technique was restricted because the volume of gas required was large due to limited mixing of the air with the liquid. The unique technology embodied by the PURLUBE™ makes air stripping practical and efficient because of the mixing and intimate contact of the air with the fluid being cleaned. In addition, the PURLUBE™ utilizes the principle that the capacity of air to entrain moisture increases exponentially with temperature. For example, with a 130° Fahrenheit increase in temperature, there is a 30-fold increase in the capacity of air to hold moisture.

Benefits of the PURLUBE™ System

- Improve equipment reliability
- Extend life of rotating equipment
- Fewer forced equipment outages
- Extend fluid life
- Reduce fluid disposal costs and environmental risks



Product specifications

Performance: The system is designed to remove free, emulsified, and dissolved water from ISO 32 through 460 turbine and hydraulic oils down to 100 PPM or less.

Material of construction	Wetted parts, non-corrosive metals and stainless steel	
Filter	3, 6, or 12 micron	
Heater	12 watts / in ²	
Pumps	Doublespur gear type Flow rate 180 gal/hr (680 l/hr)	
Motor	1.5 HP Frame 145TC 1725 RPM	fully enclosed fan cooled C-face
Jet mixer	Dual, high capacity, proprietary design	
Power Options	460 volt, 60 Hz, 3 phase Consult Engineered Systems department for other power options	
Dimensions	650 lbs (295 kgs) 32" x 32" base	

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