

Industrial Fluid Purification Common Applications:

Turbine Lube Oil / Petro-Chemical Compressors / Diesel and Gas Fired Engines / Substation Maintenance
Transformer Oil / EHC Speed Control Systems / Hydraulic Power Units for All Industries



Partial Client List

AEP
Aker Kvaerner
Alcoa
Archer Daniels Midland (ADM)
Austin Energy
Barrick Goldstrike
BF Goodrich - Fairbanks Morse Division
Chevron
ConocoPhillips
Duke Energy/Flour Daniels
ExxonMobil
Freeport McMoran
Flint Hills Resources
General Electric
General Motors - Allison Division
Georgia Pacific
Halliburton
International Paper
Kennecott
NASA
National Electric Company of Nigeria
Newmont Gold
Noble Drilling
Peabody Energy
Procter & Gamble
Royal Caribbean
Saudi Consolidated Electric Company
TXU Electric



**OIL
FILTRATION
SYSTEMS®**

A CLARK-RELIANCE COMPANY

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LIQUID PURIFICATION SYSTEMS FILTERS • HOUSINGS • RENTAL FLEET FLUSHING SYSTEMS & SERVICES



OIL FILTRATION SYSTEMS®

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INDUSTRIAL FLUID PURIFICATION

Today's economic and environmental awareness presents unique opportunities for manufacturing and industrial companies around the world. Improving productivity and profits in an ever-increasingly competitive marketplace, while complying with stringent environmental standards can be one of the greatest challenges. Disposing of oil and other fluids is costly, but left untreated, contaminated fluids can lead to lost productivity due to equipment downtime and maintenance problems. By reclaiming fluids (removing all water, particulate and acid contaminants) you can extend the life of your equipment, reduce high maintenance costs and improve productivity and profitability.

OIL FILTRATION SYSTEMS

designs, engineers and manufactures high quality oil, fuel and fluid filtration systems. Our systems provide innovative and environmentally sound solutions for purifying contaminated oils, fuels and many other fluids for a variety of industrial applications.

In addition to sales and rental of our systems and products, our highly qualified staff is prepared to work with you every step of the way, resulting in quality systems and peak performance. Call us today to find out how we can provide you with that edge you've been looking for to stay competitive in today's global marketplace.



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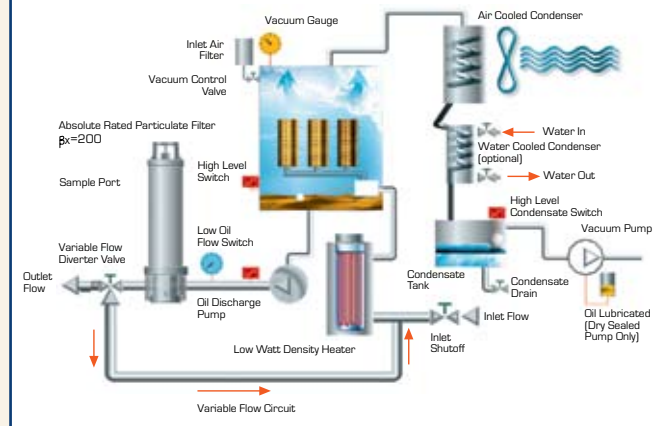


Vacuum Dehydrators

The ultimate piece of equipment to effectively remove particulate, water and dissolved gases from petroleum and synthetically based fluids. This system removes 100% of free and emulsified water from oils, and 90% of dissolved water from oils to as low as 20 ppm. It also removes particulate to as low as ISO 12/10/9 with 2.5 Beta_(C) ≥ 1000 Filters. In addition, this system removes 90% of dissolved gases. It is available in flow rates from 1–200 gpm, NEMA 4 and 7 Explosion Proof with custom options.



The water removal principle used in the Vacuum Dehydrators dependably removes water well below the oil saturation point, even when tightly bound in an emulsion. A vacuum pump draws fluid into the unit where it is heated and then flows through dispersal elements inside the vacuum tower. Contaminated oil flows through the pores of these elements, is exposed to the vacuum and dehydrated. Dried oil is removed, filtered and pumped back into the reservoir.



F I L T R A T I O N S Y S T E M S

High Flow Filter Skids

This system is ideal for rapidly removing particulate contamination from large reservoirs. Furthermore, this system creates turbulent flows in piping for oil flushing and efficiently removes particulate contamination to as low as ISO 12/10/9 levels. Flow rates are available from 50–2000 gpm with many quality features and additional options to increase its capabilities.



Low Flow Filter Carts

When a compact and highly portable design is needed to remove particulate contamination and free water from smaller reservoirs, the Low Flow Filter Cart is your answer. Flow rates are available from 1 to 20 gpm with either spin-on or cartridge-style filter elements and water or acid removal filter options. NEMA 4 and NEMA 7 explosion proof options are available as well.

Coalescers

Designed to rapidly remove water and particulates from diesel fuel, fuel oil and most other hydraulic/lubricating oils. Coalescing technology outperforms centrifuges, are simpler to use, cost less to maintain and are lower in initial purchase price. Designed to run continuously in an outdoor environment, virtually no mechanical maintenance is needed.



240 GPM Coalescer System

LTC Transformer Filtration

Bolt this system onto a transformer and continuously remove particulate (carbon) and water contamination, maintaining high dielectric values. Ideally suited for kidney loop filtration applications.

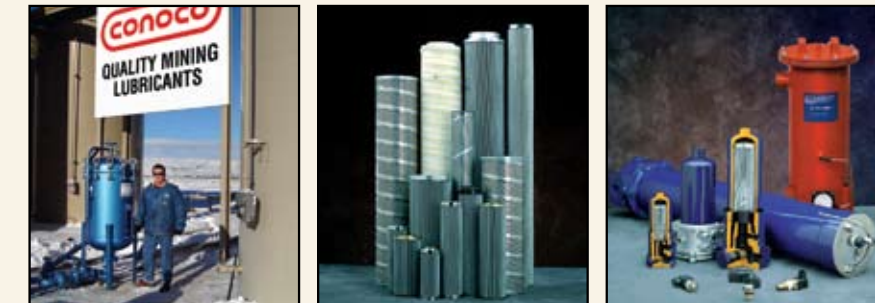


Bearing Lubrication

This system will remove particulate and heat from bearing lube oils to increase bearing life. It will achieve particulate removal from fluids to as low as ISO 12/10/9. It is available with optional flow and temperature monitoring devices.



FILTERS & HOUSINGS



YOUR SOLE SOURCE FILTER SUPPLY

Oils • Fluids • Air • Gases • Fuels • Process • Industrial • Mobile

We stock the highest quality filter elements and filter housings at the most competitive prices:

- Synthetic media filters composed of micro-glass for high performance filtration.
- Water removal filters, acid removal filters, liquid fuel filters and air filters for process, mobile and industrial applications.

Our high efficiency filter elements are state-of-the-art and represent the best value in the industry today. With our extensive cross-reference list, we can supply upgrade filters for *all* your existing applications.

S E R V I C E S



Rental Fleet

We maintain a large rental fleet of systems in Boerne, Texas, for immediate deployment anywhere in the world at very competitive prices. Our professional and technical personnel are available for start-up and on-site training.



Flushing Services

We will perform a turnkey flush on your site, providing all pumps, heaters, hoses and filters. Qualified technicians verify the results to required ISO cleanliness codes with our Portable Oil Analysis Kit.



FLUID ANALYSIS

Quickly and reliably analyze an oil sample to determine the amount of particulate contamination using the Patch Test Method, assessing an ISO cleanliness code in as little as 10 minutes. Accessories needed to create formal reports (camera, adapter, etc.) are also available.