

DRIFLEX™ HIGH CAPACITY OIL CONDITIONING SYSTEM

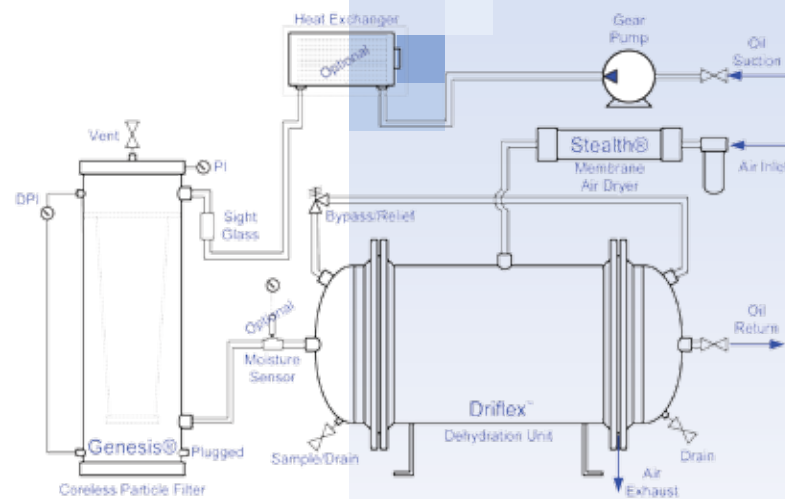
ORDERING INFORMATION

Custom configurations available; please contact Customer Service.

DF - 08L 2 B E 4 00

| DRIFLEX™ | FLOW RATE @ VISCOSITY | VOLTAGE/FREQUENCY | OIL PREFILTER MICRON RATING* | ELECTRONICS PACKAGE | NEMA RATING | OIL HEATER |
|----------|---|---|--|------------------------------|--|--|
| DF | Normal Viscosity- up to ISO 150 8 gpm = 08L 16 gpm = 16L 32 gpm = 32L High Viscosity- ISO 220 to 460 6 gpm = 06H 12 gpm = 12H | 230 V/60Hz, 3ph = 2 460 V/60Hz, 3ph = 4 575 V/60Hz, 3ph = 5 | 1 = A 3 = B 6 = C *B = 1000 | Standard = S Optional = E | Standard = 4 Explosion Proof = 7 | None = 00 7.5 KW = 15 15 KW = 15 30 KW = 30 |

SYSTEM DIAGRAM



REPLACEMENT CARTRIDGES

| Genesis® Coreless Cartridges | Micron Rating |
|------------------------------|---------------|
| LGV5236HSA* | 1 micron |
| LGV5236HSB* | 3 micron |
| LGV5236HSC* | 6 micron |

* DF-12H and DF-32L require two

REPLACEMENT AIR FILTERS

| Uniform® Coalescing Air Filter | For Model(s) | Micron Rating |
|--------------------------------|----------------|---------------|
| PCX07025E03B | DF-06H, DF-08L | 0.3 micron |
| PCX12045A03B | DF-12H, DF-16L | 0.3 micron |
| PCX22084A03B | DF-32L | 0.3 micron |

Driflex™ High Capacity Oil Conditioning System

REMOVE HARMFUL WATER & CONTAMINANTS

from
OIL & LUBRICATION SYSTEMS



WHY DO BUSINESS WITH PENTAIR?

Broadest Line—Single Source

Pentair brings the broadest filtration offering in the industry – a single source for all your filtration needs

Lean Manufacturer

We strive for continuous improvement in cost, quality and delivery

Dedicated, Fast Customer Support & Application Engineering

We have dedicated staff to support and service your applications

Technology Research Centers

Advanced research results in greater innovation, technology and customized solutions for your applications



Pentair Industrial

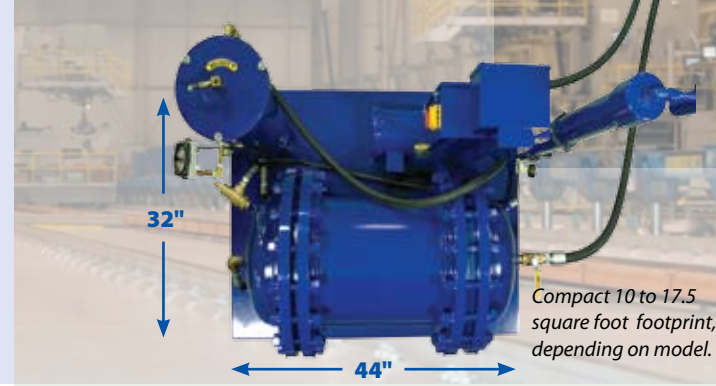
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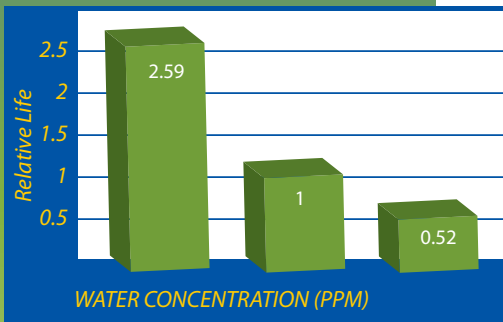
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DRIFLEX™ OIL CONDITIONING SYSTEM ELIMINATE UP TO 80% OF LUBRICATED EQUIPMENT DOWNTIME

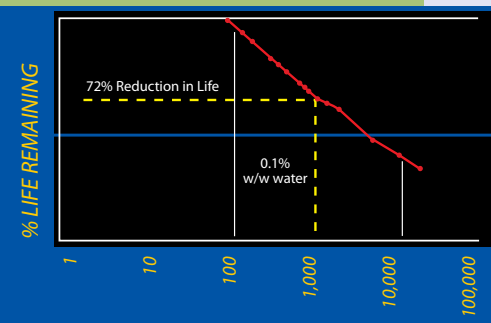


How Oil Cleanliness Affects Bearing Life

All oil lubricated machines that have rolling elements and pressure surfaces rely on a layer of oil to separate moving surfaces. Water contamination reduces bearing and component life by causing rust and corrosion, oil oxidation, additive depletion, varnish deposits, hydrogen embrittlement and changes in viscosity.



Bearing life can increase nearly 500% when water concentration is reduced from 400 to 25 parts per million.



Bearing life is reduced dramatically when water concentration exceeds 100 parts per million.

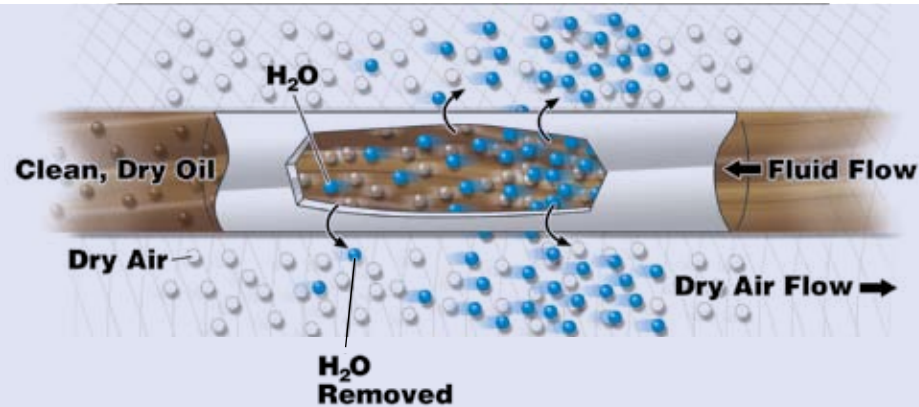
Reduce Maintenance Expenses & Equipment Failure

The Driflex™ Oil Conditioning System utilizes high efficiency slip-stream filtration and patented membrane technology to thoroughly remove solid contaminants and free, emulsified and dissolved water from a wide variety of industrial and mobile lubrication and hydraulic systems. On average, oil contamination from dirt and water causes 70-80% of lubricated equipment wear and failures. Driflex decreases water concentration and improves particulate filtration effectiveness to optimize oil condition and minimize equipment wear, reducing maintenance expenses and costly downtime.



Efficient, Patented Mass Transfer Technology

Driflex achieves oil dehydration by utilizing the fundamental principles of mass transfer: Moisture diffuses from regions of high concentration to low, such as from oil contaminated with moisture to dry air. First, oil is pumped from its reservoir through Driflex's high efficiency particle filter, which cleans the oil and protects the system's dehydration contactor membrane from damage. The oil then flows through Driflex's dehydration contactor membrane while extremely dry air sweeps over the outside. The moisture differential within the contactor causes the moisture to be transferred from the oil to the air, and exhausted out of the system as moisturized air. Environmentally, no wastewater or other disposables are generated in the process - and the oil returns to the reservoir.



Free, emulsified and dissolved water is transferred from the oil to dry air through a patented dehydration membrane using no moving parts.

Proven Performance in Your Applications

Available in flow rates from 6 to 32 gallons per minute, the Driflex™ Oil Conditioning System was designed to serve a wide variety of applications within pulp & paper mills, power plants, hydraulic presses (such as stamping and plastic injection molding), steel & roll mills, and more. By decreasing water concentration - down to 25 ppm - and improving particulate filtration - achieving ISO 13/10 or lower - Driflex™ reduces oil contamination, minimizing wear, maintenance expenses and downtime, extending hydraulic and lubricated system life.

Easier to Install, Operate and Maintain

The Driflex advanced oil conditioning technology leads to significant savings in operation and maintenance expenses. For example, decreasing water concentration from 250 ppm to 40 ppm can triple bearing life, reducing replacement and labor costs - increasing overall profitability. With its simple, reliable operation, Driflex enhances equipment performance and optimizes service life - at a cost-effective price.



More Compact, Efficient and Cost-Effective than Alternative Methods

Unlike vacuum purifiers, Driflex is cost-effective, conveniently sized and easy to maintain—with no moving parts or flow/level controls to adjust. Its compact design makes it well suited for periodic use on reservoirs throughout an entire facility. Driflex may also be dedicated to a particular reservoir to provide continuous conditioning, ensuring that oil is optimized without the fluctuations in water concentration that occur with periodic oil purification or replacement.



Simple Installation with Cam-Lock Fittings.

Quick connect fittings on the end of the inlet and outlet oil hoses allow the user to simply move the Driflex into place, and hook up the lines quickly and easily.



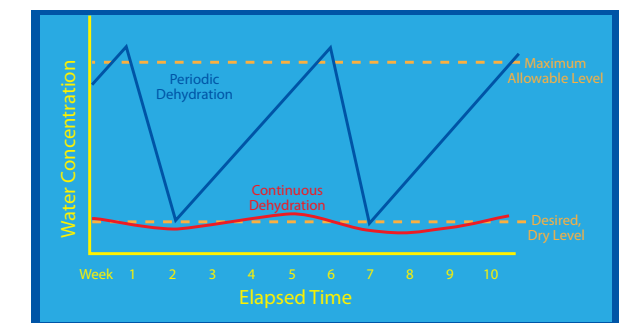
Efficient Air Pressure Regulation.

The Air Pressure Regulator controls how much air is consumed during dehydrator operation. As the oil becomes drier, the PLC will alert the operator to lower the set point on the air regulator, thereby conserving air and energy.



Integrated PLC and Moisture Sensor.

The PLC and integrated dissolved-moisture sensor continually monitor the moisture content and temperature of the oil, providing real-time moisture indication without sending out oil samples and waiting for results. By indicating when the system is fully conditioned, air conservation is maximized.



Continuous dehydration provides significantly greater protection than methods that periodically clean oil.