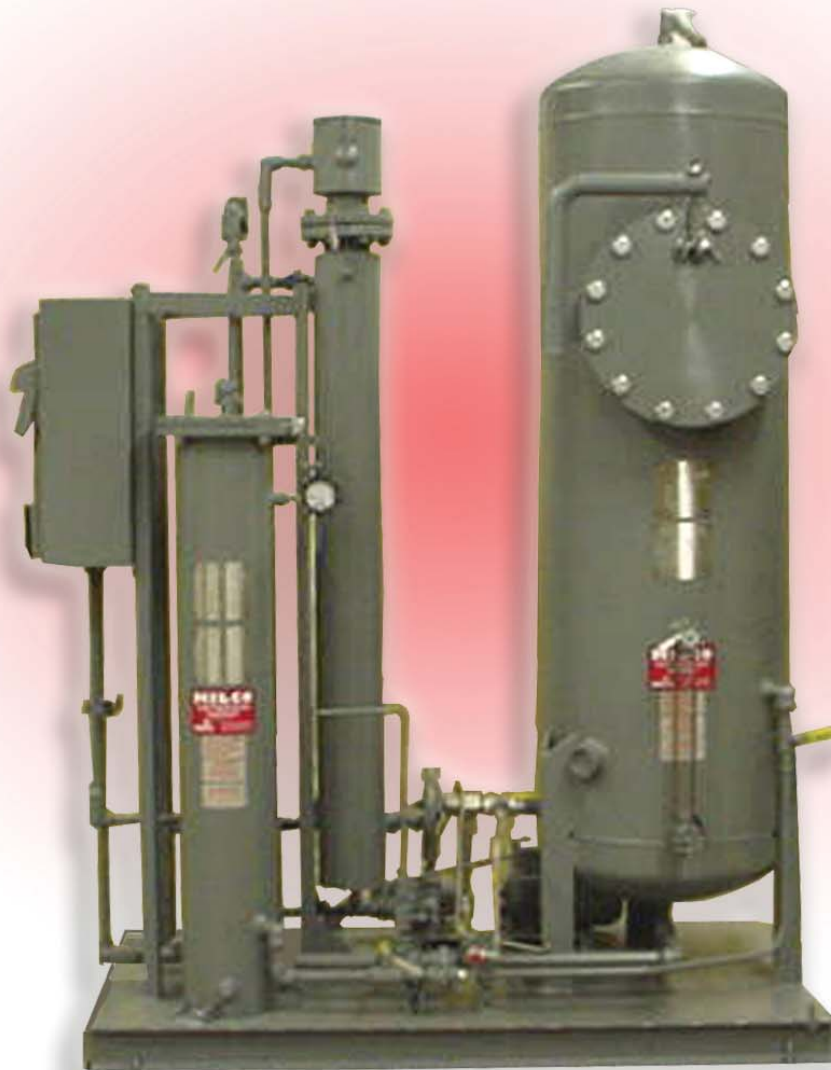


Hilco Coalescing Separator Systems



**Remove Moisture and Particulate Contamination
from your Steam and Gas
Turbine Lube Oils**

Self-Sufficient Stand-Alone Models



Features

- System flow rates from 10, 30, 60, and 100 GPM
- Positive displacement oil pump with integral relief valve
- TEFC pump motor
- NEMA 4 electrical enclosure with controls
- ASME code pre-filter vessel
- ASME code coalescer/separator vessel
- Clean and dirty sampling ports
- Inlet basket strainer
- Automatic, pneumatically operated, water drain valve
- Manual moisture drain
- Liquid level sight gauge

Performance

- Particulate removal efficiency of 99.5% @ 3 micron
- Free and emulsified water content reduced to under 25 ppm
- Total water content to under 150 ppm based on an influent moisture content of 5% maximum

Options

- Explosion-proof electrical controls
- Low-watt-density oil heaters
- CRN or PED vessels

Sizing a System -- Your Hilco coalescer/separator should have a flow capacity of at least 1/2% of the total lube oil volume. The following chart depicts the maximum recommended size reservoir for each Hilco coalescer/separator system.

Model #	Flow Rate	Reservoir Capacity
02CS10	10 GPM	2,000 Gallons
02CS30	30 GPM	6,000 Gallons
02CS60	60 GPM	12,000 Gallons
02CS100	100 GPM	12,000+ Gallons

Portable Models

Features

- Flow capacities from 1 to 30 GPM
- Ability to service the needs of multiple units
- Customized electrical requirements
- Integral particulate filter and coalescer filter arrangement
- Liquid level sight gauge



Single or Multiple-Element Vessels

Features

- Flow capacities to 20 GPM
- Designed to side stream part of the existing lube oil pumps flow
- ASME Code and non-code designs available
- Duplex designs available for uninterrupted flow during element changeout
- Liquid level sight gauge
- Auto drain optional equipment



Custom Designs

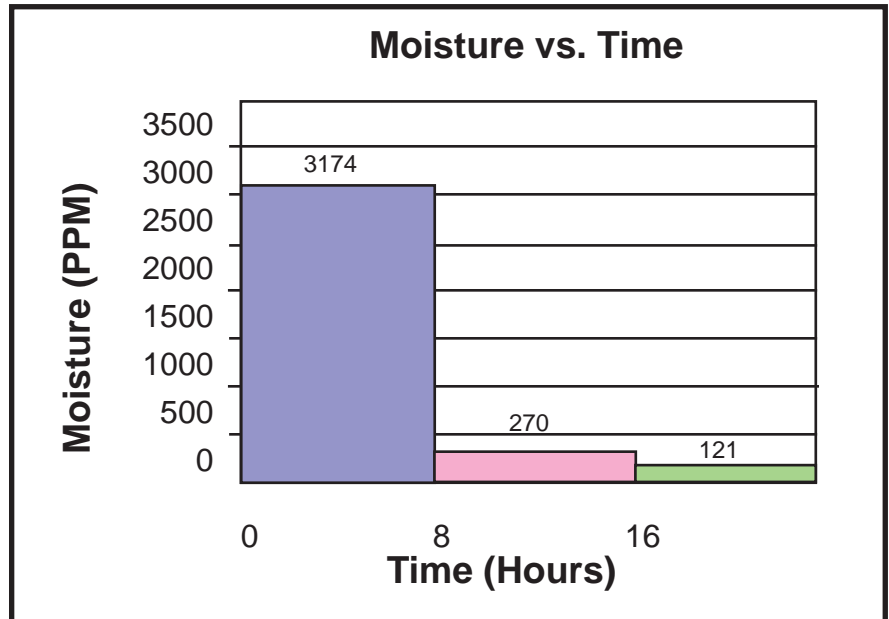
Hilco's staff of engineers is always willing to design a system for your particular needs. Call today with your specific application requirements.



Typical System Performance

The chart on the right depicts the moisture content of a 2,000-gallon steam turbine reservoir with a 10-GPM Hilco coalescer/separator installed.

After 16 hours of operation, the Hilco coalescer/separator was able to reduce the moisture content of fluid from 3,174 ppm to its natural saturation point.



Hilco has a large inventory of coalescer/separator element replacements available for immediate shipment. Call for assistance in determining the appropriate size.

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