

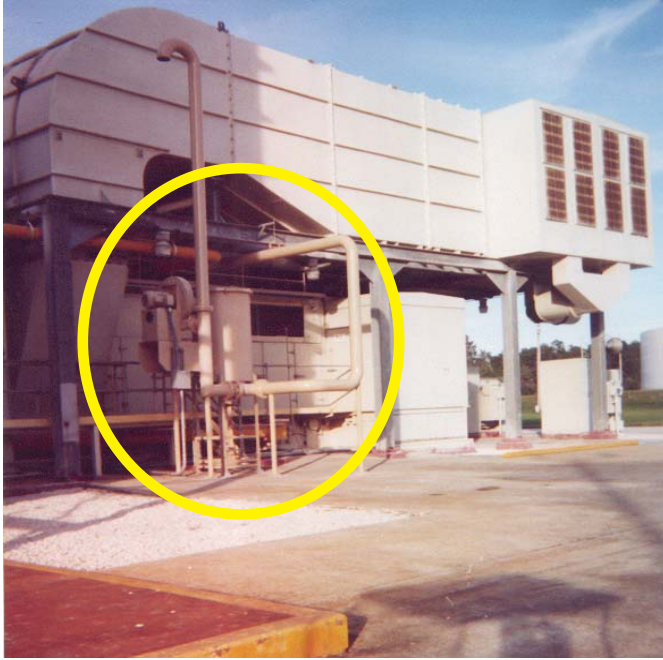
Eliminate Crankcase Emissions



**HILCO
Oil Mist
Eliminators**



What is a Mist Eliminator?



The **HILCO** mist eliminator removes visible oil vapor from the air stream of vents in lubricating oil systems of large, high-speed rotating equipment such as **gas turbines, steam turbines, turbo compressors, turbo generators, reciprocating engines, high speed couplings and gear boxes**. The mist eliminator prevents oil mist from contaminating air or soil, helping facilities comply with environmental regulations. It also makes for a cleaner, safer work environment by eliminating oily residue build-up on engine room floors, enclosures and stairwells, while improving indoor/outdoor air quality and reducing fire hazards. The HILCO mist eliminator also saves money by returning oil to the sump that would normally be lost during the venting process, greatly reducing make-up costs. There are currently three versions available: **Blower Assisted, Mist Eliminator with Heat Exchanger, and a Coalescer-Only model**. All models eliminate oil mist with an efficiency of 99.97% removal of all airborne contaminant regardless of particle size.



Blower-Assisted Mist Eliminator:

This model is designed for oil systems that cannot withstand back pressure or where back pressure may not be desirable. It can be installed with an airflow-restriction device to pull vacuum. It is also designed to maintain atmospheric condition in the oil system.

Mist Eliminator with Heat Exchanger:

This model is often used where the oil can reach excessively high temperatures (200° F and above). By cooling the air stream, the oil mist becomes easier to coalesce and therefore more efficient.



Coalescer-Only Mist Eliminator:

This model is appropriate for use where back pressure on an oil system is not a concern. It can be sized large enough to meet pressure-drop requirements. It also can be used where an existing blower is present to assist flow.

Mist Eliminator Applications



Gas & Steam Turbine Applications

Rolls Royce / Allison
Dresser-Rand
GE Frame Engines
GE Aeroderivative
Solar Turbines
Pratt & Whitney
Mitsubishi
Siemens Westinghouse



Reciprocating Engine & Compressor Applications

Caterpillar
Dresser-Rand
GE Frame Engines
Cooper
Ingersoll-Rand
MAK
Superior
Waukesha
White

Other HILCO Products



The HILCO Selexsorb GT Filter Cartridges and Systems are designed for use with gas turbine lube and hydraulic control fluids, and steam turbine EHC control industrial hydraulic systems. For more information, request brochure SEL-2.

The HILCO DR Series Ion Exchange filled cartridge features patent-pending controlled expansion technology to permit the ion exchange resin to safely swell without bursting as it scavenges acid and water. For more information, request brochure HLD-1.



Hilco HP4 Portable is an inexpensive, heavy-duty filtration system for removing water and particulate from oils, fuel, and other fluids. For more information, request brochure HP4-1.

The Hilco PH Filter Cartridges are suitable for filtration of oils, water, water-based fluids, and a wide range of chemicals. These cartridges meet the demand for higher efficiency without sacrificing dirt capacity. For more information, request brochure PHI-2.



The Hilco Coalescer/Separator, available in stand-alone or portable models, removes moisture and particulate contamination from steam and gas turbine lube oils. For more information, request brochure HSS-1.

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