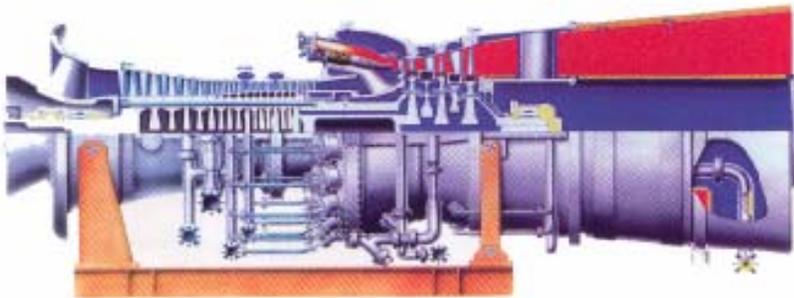


HILCO Mist Eliminators for GE Frame 7 Turbines



The Problem: In the past, GE has specified several types of electrostatic precipitator systems to deal with oil mist vapors on older Frame 7001B Gas Turbine Engines. Over the course of years these devices have proven to be highly inefficient and maintenance dependent. Parts routinely replaced to maintain these devices have proven to be costly. In many cases, the electrostatic precipitator's internal electric plates needed to be removed and cleaned off site in order to comply with state and federal regulations. With the increase in environmental standards, a more effective method of removing oil mist was needed.



The HILCO Mist Eliminator System is a direct replacement for existing mist elimination or electrostatic precipitator systems.

The Solution: Over the last several years The Hilliard Corporation, in conjunction with several GE Turbine users, have developed a Mist Eliminator product line specifically for use on lube oil vents of GE Frame 7 engines. These mist eliminator systems offer quick and effective solutions to the problem of unsightly oil mist and time-consuming maintenance and cleanup. Offered in two sizes, these systems will handle extremely high flow rates and excessive bearing and seal blow-by.

1500 CFM Max Design Flow
8" inlet/outlet connections
Carbon Steel Construction
Meets all electrical requirements
Paint as specified
Outlet pipes as required
Utilizes HILCO Elements:
DM639-00-C or DM839-00-C



2500 CFM Max Capacity
10" inlet/outlet connections
Carbon Steel Construction
Meets all electrical requirements
Paint as specified
Outlet pipes as required
Utilizes HILCO Elements:
DM639-00-C or DM839-00-C

The HILCO Mist Eliminator Systems will operate with an efficiency of 99.97% or greater removal of airborne contaminants, regardless of particle size. The HILCO MES will effectively remove contaminant and particulate to .3 micron (μm) and below. This efficiency will allow for a clean oil return and ultimately a cleaner turbine lube oil system.

HILCO Optional Equipment



HILCO Work Mezzanine

Work Mezzanines: The HILCO work mezzanines will allow two workers to change coalescing elements at the same time to ensure safety and also reduce the time it takes to replace the elements. There are two styles available which are compatible with the 1500 CFM and 2500 CFM Mist Eliminators.

Heat Exchanger / Cooler: Heat exchangers are available for Mist Eliminators in applications where oil mist temperatures reach an unacceptably high degree. The heat exchangers cool oil mist and allow for it to be more easily coalesced. It can also be used to cool and control the temperature in lube oil reservoirs.

Silencer / Outlet Vent: HILCO offers outlet piping configurations to meet your needs. Ask a representative about your specific custom piping application. HILCO offers: *Outlet Piping Only*, *Outlet Piping with Silencer*, and *Silencer Only*.

Other HILCO Equipment offered for GE Frame 7 Turbines

GE Frame 7 FA		GE Frame 7 EA	
Lube Oil Filter:	02718-341268001 368A6036P001	Lube Oil Filter:	02718-571266002 351A9511P001
Cartridge:	PH718-01-CNVGE 368A6037P002	Lube Oil Cartridge:	PL718-05-GE 342A2581P002
Fuel Filter:	32718-341266006 32718-341266007 358A8834P027 358A8834P028	Fuel Oil Filter:	302A1019P058 32718-571465008
Cartridge:	PH718-03-CNVGE 358A8836P002	Fuel Oil Cartridge:	PH718-01-CN 342A2581P019
Hydraulic Filter Cartridge:	HP311-12-GE	Atomizing Air Filter:	22HMF-496000013 372A1469P001
GE Generator		Competitive Replacements (7FA):	
Mist Eliminator:	01ME30821202-2	Parker Lube Oil Cartridge:	PMG528-10-GE
Cartridge:	DM620-00-C	Replaced by:	
		Hilco Lube Oil Cartridge:	PH528-05-CG1
		(GE TIL available)	363A4378P003

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