

OIL MIST ELIMINATORS



Description

The Oil Mist Eliminator (also called Oil Mist Separator) designed and manufactured by HANGZHOU HUITENG MECHANICAL & ELECTRICAL EQUIPMENT CO., LTD. can remove all visible oil mist from vents in lube oil systems of large, high-speed rotating equipments, such as Gas Turbines, Steam Turbines, Turbo Compressors, Turbo Generators, Reciprocating Engines, High Speed Couplings, Gear Boxes. These special high-performance eliminators are usually installed on the oil reservoir of lubricating oil systems or bearings of water turbine, preventing oil mist from contaminating air or soil, helping facilities comply with environmental regulations, making for a cleaner, safe work environment.



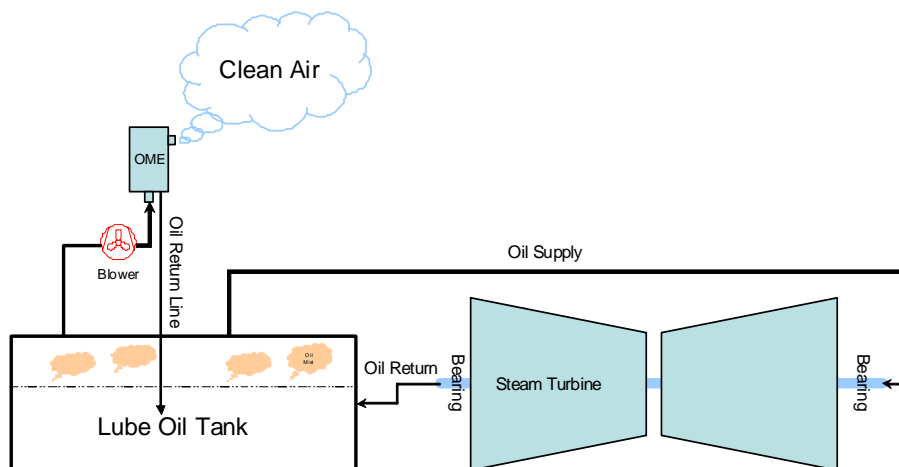
OME for Turbo Expander Lube Oil System



OME for Compressor Lube Oil Console

How Do Oil Mist Eliminators Work?

Exhaust fumes from the lube oil vent are drawn into the filter housing and then pass through the coalescing cartridges. Oily mist and particles are captured by the element, where they coalesce and drain to the tank bottom and to the lube oil sump. The clean, filtered gas is exhausted to atmosphere.



Features


- Unequalled Efficiency: 99.97% of all droplets and particles 0.3 micron and larger; guaranteed less than 5ppm by weight oil mist carryover.
- Compact: Space saving physical envelope and light-weight structure make it ideal in a crowded environment.
- Maintenance Free: Depending on the dirt loading, has a filter element life up to 3-5 years.
- Customized Design: Tailored to fit specific application requirements.

Benefits


- Environmental: Eliminate all visible oil plumes, Help facilities comply with all environmental regulations.
- Healthy: Make for a cleaner work environment by improving indoor/outdoor air quality.
- Safety: Reduce fire hazards by eliminating oily residue build-up on engine room floors, enclosures and stairwells etc.
- Energy Saving: Save money by returning oil to the sump.

Technical Data


OMS Non-Blower Model

	Model	Rated Flow Nm ³ /h	Element Model	Max. Vacuum	Max. Air Pressure	Working Temp.	Max. Noise
	OMS-1	25	RX-25	-40mbar	2.8bar	-20°C ~ +75°C	56dB
	OMS-2	50	RX-50				
	OMS-4	100	RX-100				
	OMS-4*2	200	RX-200				



NOMF Oil Mist Eliminator

	Model	Rated Flow Nm ³ /h	Element Model	Max. Vacuum	Max. Air Pressure	Working Temp.	Max. Noise
	NOMF-2	50	YLX-50	-40mbar	2.8bar	-20°C ~ +75°C	56dB
	NOMF-4	100	YLX-100				
	NOMF-8	200	YLX-200				

OMF Blower-Assisted Model

	Model	Rated Flow (Nm ³ /h)	Element Model	Blower			Max. Vacuum (mbar)	Max. Noise (dB)
				Freq. (Hz)	Power (kw)	Voltage AC (V)		
	OMF-50	50	RX-50	50	0.55	380	-14	75
				60	0.63	440		
	OMF-100	100	RX-100	50	1.1	380	-165	
				60	1.3	440	-185	
	OMF-200	200	RX-200	50		380	-115	
					1.6		-145	
				2.2	-245			
				60	2.0	440	-105	
	2.55	-135						
	OMF-350	350	FE350	50	2.2	220~	-165	
					245	-235		
				60	3.0		345~	
					415			
	OMF-500	500	FE500	50	2.5	220~	-165	
					275	-215		
				60	3.45		380~	
480								
OMF-850	850	RX850	50	4.0	220~	-105		
				245	-155			
			60	5.5		345~	-135	
				415				
OMF-1700	1700	FE1700	50	4.0	345~	-105		
			5.5	415	-155			
OMF-2500	2500	FE2500	50	7.5	380~	-135		
			6.3	480	-225			
OMF-1700	1700	FE1700	50	8.6	345~	-155		
			60	20	415	-255		
OMF-2500	2500	FE2500	50	21.3	380~	-205		
			60	20	415	-145		
OMF-2500	2500	FE2500	50	23	380~	-205		
			60	20	415	-145		

Hydro Turbine Oil Mist Eliminator

	Model	Rated Air Flow (Nm ³ /h)	Element Model	Blower			Max. Vacuum (mbar)	Sump Capacity (L)	Max. Noise (dB)	
				Freq. (Hz)	Power (kW)	Voltage AC (V)				
	YWW-100	100	FE100L	50	0.4	220~ 245 345~ 415	-75	50/80	70	
				60	0.55	220~ 275 380~ 480	-85			
	YWW-200	200	FE200	50	1.1	220~ 245 345~ 415	-115			
				60	1.3	220~ 275 380~ 480	-105			
	YWW-350	350	FE350	50	1.6	220~ 245 345~ 415	-115			
				60	2.05	220~ 275 380~ 480	-115			
	YWW-500	500	FE500	50	2.2	345~ 415	-125			
				60	2.55	380~ 480	-115			
	YWW-850	850	FE850	50	4.0	345~ 415	-105			75
				60	4.6	380~ 480	-65			

Ambient temperature: -20°C~+75°C, Initial pressure drop of element (dry): 14.7mbar; Normal pressure drop (soaked): 45.11mbar; Differential pressure during replacement: 74.5mbar.

**** Customized constructions are available on request. Consult sales for special order requirements.**



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