



SOLBERG oil mist solutions

Eliminate Visible Emissions



Vacuum Assisted Oil Mist Eliminator
VAE Series

Application Associates

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Phone 732.627.9400 – Fax 732.627.9401

SOLBERG - Solutions that Work

Around the world, Solberg delivers oil mist solutions for the equipment that powers our lives. From gas turbines to reciprocating engines, Solberg oil mist elimination products and filters can be found on industry's most challenging applications.

For close to 40 years, we have embraced the idea of industrial growth while advocating responsibility for our environment. Our commitments to provide products that protect industrial equipment and to deliver solutions that protect the environment from this same equipment, give us the power to serve.

Benefits Solberg Offers

- Improved health & safety for workers
- Eliminate need for opacity readings
- Reduced maintenance costs
- Recover & recycle oil mist emissions



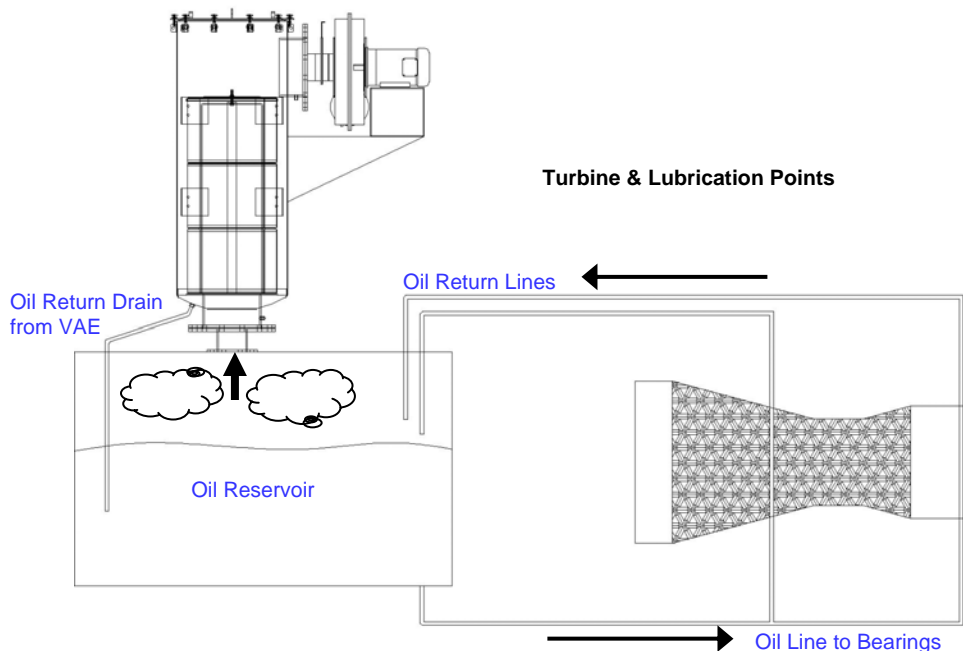
Before
(Excessive mist emissions)



After
(Clean air discharge)

Typical Oil Mist Eliminator Application Schematic

Vacuum Assisted Eliminator VAE Series



Solutions For

- Alstom Power
- Caterpillar
- Cooper Turbo
- Detroit Diesel
- Elliott
- Fairbanks Morse
- GE
- Guascor
- Hitachi
- Jenbacher
- Kawasaki
- Man Turbo
- Mitsubishi
- MTU
- OPRA
- Pratt & Whitney
- Rolls-Royce
- Siemens
- Solar Turbines
- Waukesha Engine
- Yanmar Diesel

Vacuum Assisted Oil Mist Eliminator Packages

Eliminate Oil Mist Emissions - Prevent Seal Leakage

Typical Applications

- Gas & Steam Turbines
- Reciprocating Engines
- Centrifugal Compressors
- Oil Lubrication Skids
- Generators
- Hydraulic Gear Boxes
- Marine Propulsion Systems
- Power Generation Packages

Design Advantages

- Application specific designs
- Maintains negative crankcase pressure (vacuum) to prevent seal leakage
- Eliminate visible emissions- minimum 99.97% on 0.3 micron oil mist (<5 PPM)
- Leak tested to 0.5 bar pressure
- Design temperatures: -40°F (-40°C) to 170°F (77°C)
- Full design & conformance documentation

Options (Inquires Encouraged)

- Redundant motor systems
- Bypass relief valves
- Fully automated packages
- Custom designs
- ATEX and explosion resistant construction
- Chemical resistant and stainless steel materials

Rated Flow SCFM	Reference Only Model No.	Rated Flow SCFM	Reference Only Model No.
25	VAE-25-CEG860	500	VAE-500-CEG384
50	VAE-50-CEG244	750	VAE-750-CEG384
125	VAE-125-CEG344	1000	VAE-1000-CEG384
250	VAE-250-CEG384	1500	VAE-1500-CEG384



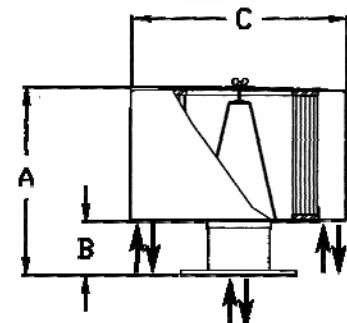
Crankcase/Gearbox Static Breathers

- Ultra low back pressure coalescing media
- Multi-Directional breathing capabilities to prevent oil contamination
- Extended element life span allowing for reduced service intervals
- External drain for oil return to the crankcase/gearbox
- Wide range of flows and operating temperatures

Options (Inquires Encouraged)

- Extended stand pipes
- Wire mesh element
- Internal drain-back mechanism
- Activated carbon media for odor removal
- Chemical resistant & stainless steel materials for harsh conditions

with Wrapped Coalescing Element	Outlet		Reference Only Dimensions - inches			Rated SCFM Flow	Approx. Wt. lbs
	Size	Type	A	B	C		
CVB-WP18-100	1"	MPT	6 5/8	1 5/8	6	3	3
CVB-WP18-125	1 1/4"	MPT	6 5/8	1 5/8	6	3	3
CVB-WP18-150	1 1/2"	MPT	6 5/8	1 5/8	6	3	3
CVB-WP230-200	2"	MPT	11 7/8	2 1/4	10	5	5.5
CVB-WP230-250	2 1/2"	MPT	12 5/8	3	10	8	5.5
CVB-WP274-300	3"	MPT	13	3	10	13	15
CVB-WP274-400	4"	MPT	14	4	10	18	15
CVB-WP274-400F	4"	FLG	14	4	10	18	20
CVB-WP374-500F	5"	FLG	20	4	16	26	38
CVB-WP374-600F	6"	FLG	21	5	16	26	40



Multi-Directional Airflow

Dimension Tolerance $\pm 1/4"$

Engineering Assistance

Company Name: _____ Contact Name: _____ Phone No.: _____

Application Parameters

Turbine Brand & Model: _____

Generator Brand & Model: _____

Current Oil Mist Eliminator Brand & Model: _____

Air Flow from Vent Port: _____

Operating Temperature: _____

Desired Vacuum/Pressure Range in Reservoir: _____

ATEX Certification Required?: _____

Connections

Vent Port Size & Type: _____

Electrical Specifications

Voltage/Phase Requirements: _____

Maximum Amps: _____

Frequency in Hz: _____

Special Motor Requirements: _____

Additional Notes/Requirements: _____

(Dimensional constraints, location, scheduled shutdowns, etc.)

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