Now you can have the protection of oil mist lubrication in an efficient, trouble-free design

Oil Mist Generators
Accessories
Support Services

Your Lubrication Solutions Specialist
713-682-3651
1-800-582-3834
www.TFHudgins.com
Centralized Oil Mist Lubrication Systems

T.F. Hudgins oil mist systems provide reliable lubrication for roller element bearings and metal surfaces in centrifugal pumps, electric motors, steam turbines and a broad range of rotating machinery. These systems meter a precise amount of oil to each bearing, resulting in highly effective lubrication, decreased oil consumption and lower overall maintenance costs.

Continuous, thin-film oil mist lubrication allows bearings to run cooler while significantly extending the service life of both bearings and mechanical seals. Compared to conventional liquid/sump lubrication, oil mist systems decrease oil usage by as much as 40% while completely eliminating the need for oil changes. Reduced oil consumption lowers operating costs and helps protect the environment by eliminating waste.

Key Oil Mist Advantages

- Reduces bearing failures up to 90%
- Reduces mechanical seal failures up to 30%
- Bearings run 15°F to 35°F cooler
- Reduces lubricant consumption up to 40%
- Safe/non-hazardous
- Reduces overall maintenance costs

Efficient by Design

T.F. Hudgins centralized oil mist systems atomize lubricating oil into small particles, which are conveyed by a low-pressure distribution system to multiple machinery bearings. Basic system components include an oil mist generator, header pipe system for mist transfer and reclassifiers that control the mist flow to each application point.

T.F. Hudgins systems are engineered from the ground up to deliver trouble-free operation and ease of maintenance. Quality construction and robust components assure consistently precise operation and extended service life.

T.F. Hudgins oil mist generators are available in three configurations to serve a variety of lubrication points and operating requirements. Each generator features efficient design for reliability in operation and economy in maintenance and repair. Proprietary mist generator heads feature vortex technology with oversize mist ports.
Mist Generators

KMC Generator
*Designed for large systems where automatic monitoring is preferred*

- CSA approved for Class 1, Group B, C & D, Division 2 areas; ATEX version also available
- Fully enclosed pedestal mounted; single-door enclosure
- 9-gallon SS reservoir with pressure-relief valve, oil level sight gauge and clean-out panel
- Thermostatically controlled immersion oil heater and reservoir-mounted oil temperature gauge
- High/low mist pressure transducer and mist pressure gauge
- High and low oil level with auto fill
- High and low temperature alarm
- Air pressure regulator with gauge and auto air filter drain
- High-visibility LED red and green operating status lights
- Electrical power switch and terminal enclosure with common remote alarm
- Available 40, 100, 250, 500, and 1,000 bearing inch generator head
- SS enclosure
**BMP Generator**

*Designed for intermediate systems where automatic monitoring is preferred*

- For use in Class 1, Group D, Division 2 areas
- Monitoring capabilities
- 5-gallon SS reservoir with pressure-relief valve, oil level sight gauge and clean-out panel
- Thermostatically controlled immersion oil heater and reservoir-mounted oil temperature gauge
- High/low mist pressure transducer and mist pressure gauge
- High and low oil level with auto fill
- High and low temperature alarm
- Air pressure regulator with gauge and auto air filter drain
- High-visibility LED red and green operating status lights
- Electrical power switch and terminal enclosure with common remote alarm
- Available 40, 100, 250, 500, or 1,000 bearing inch generator head

**BM Generator**

*Designed for small systems where manual control and monitoring are preferred*

- For use in Class 1, Group D, Division 2 areas
- 3-gallon SS reservoir with pressure-relief valve and oil level sight gauge
- Thermostatically controlled immersion oil heater and reservoir-mounted oil temperature gauge
- Low oil level switch
- Air pressure regulator with gauge and auto air filter drain
- Available 40, 100, 250 or 500 bearing inch generator head
Accessories

T.F. Hudgins provides a full line of system components, as well as replacement parts for all makes of oil mist systems. All accessories are engineered and constructed for exceptional reliability and lasting value.

**Mist Manifold Assemblies**
P/N 45200120
Divides and distributes the flow of mist to lube application points and allows visual inspection and draining of coalesced oil.

**Purge Fill Assemblies**
P/N 45200160
Provides flow and venting of mist into the equipment receiving purge mist; removable cap allows refill of oil into housing.

**Oil Level Sight Assemblies**
P/N 45200170
Monitors and controls oil level inside the bearing housing.

**Mist Vent Collection Assemblies**
P/N 45200140
Allows viewing of oil quality and capture of oil samples at the low point of the bearing housing.

**Sight Bottle Assemblies**
Allowing viewing of oil quality and capture of oil samples at the low point of the bearing housing.

<table>
<thead>
<tr>
<th>P/N</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>45200152</td>
<td>1/4&quot; NPT</td>
</tr>
<tr>
<td>45200153</td>
<td>1/2&quot; NPT</td>
</tr>
</tbody>
</table>

**Collection Containers**
P/N 45200210
Used for collecting excess oil mist from the bearing housing and eliminates discharge of oil to the sewer.
**Mist Reclassifiers**
Meters the flow of oil mist particles to the bearings.

<table>
<thead>
<tr>
<th>P/N</th>
<th>SCFM</th>
<th>BI</th>
</tr>
</thead>
<tbody>
<tr>
<td>45200101</td>
<td>.09</td>
<td>3</td>
</tr>
<tr>
<td>45200102</td>
<td>.18</td>
<td>6</td>
</tr>
<tr>
<td>45200103</td>
<td>.30</td>
<td>10</td>
</tr>
<tr>
<td>45200104</td>
<td>.45</td>
<td>15</td>
</tr>
<tr>
<td>45200105</td>
<td>.60</td>
<td>20</td>
</tr>
</tbody>
</table>

**Directional Reclassifiers**
Properly directs oil mist at a surface requiring lubrication.

<table>
<thead>
<tr>
<th>P/N</th>
<th>SCFM</th>
<th>BI</th>
</tr>
</thead>
<tbody>
<tr>
<td>45200201</td>
<td>.09</td>
<td>3</td>
</tr>
<tr>
<td>45200202</td>
<td>.18</td>
<td>6</td>
</tr>
<tr>
<td>45200203</td>
<td>.30</td>
<td>10</td>
</tr>
<tr>
<td>45200204</td>
<td>.45</td>
<td>15</td>
</tr>
<tr>
<td>45200205</td>
<td>.60</td>
<td>20</td>
</tr>
</tbody>
</table>

**Drain Leg Reservoirs**
P/N 45200223
Provides for reuse of coalesced header oil, reducing oil consumption.

**Drain Leg Manifolds**
P/N 45200146
Monitors and maintains header pressure while draining coalesced oil into a collection container.

**Pressure Gauges**
Allows visual monitoring of system pressure.

<table>
<thead>
<tr>
<th>P/N</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>77200277</td>
<td>Mist Pressure 0-100 inches H2O</td>
</tr>
<tr>
<td>77200278</td>
<td>Air Pressure 0-100 PSI</td>
</tr>
<tr>
<td>77200279</td>
<td>Oil Pressure 0-300 PSI</td>
</tr>
</tbody>
</table>

**Call for a No-Cost Evaluation**
T.F. Hudgins oil mist experts will analyze your application and prepare a detailed report with recommendations for improvement — all at no cost to you. Just call 713-682-3651 or 1-800-LUBE-TFH.
Your Lubrication Solutions Specialist

713-682-3651
1-800-582-3834

Mailing Address
P.O. Box 920946
Houston, TX 77292-0946

Shipping Address
4405 Directors Row
Houston, TX 77092

Your Comprehensive Resource
T.F. Hudgins is your full-service solution for oil mist lubrication systems. In addition to our complete systems, we offer a full line of replacement components and support services for all makes, sizes and designs of oil mist systems, in any application.

- T.F. Hudgins Oil Mist Systems
- Oil Mist System Components
- Oil Mist System Design and Engineering
- 24-Hour Emergency Support
- Fast Repair Turnaround
- Periodic Maintenance Programs
- System Extensions
- Turnkey Installation

For more information, contact us at 1-800-LUBE-TFH or 713-682-3651.