



T.F. HUDGINS OIL MIST SYSTEMS

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

Oil Mist Generators

Accessories

Support Services



T.F. HUDGINS®
INCORPORATED
an Allied Reliability brand

YOUR COMPREHENSIVE RESOURCE

Allied Reliability 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

CALL FOR A NO-COST EVALUATION

Our 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.

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.

ISO 9001 CERTIFIED

T.F. Hudgins is in conformance with ISO 9001:2015 for the Design and Manufacture of Oil Mist and Compressor Lubrication Systems

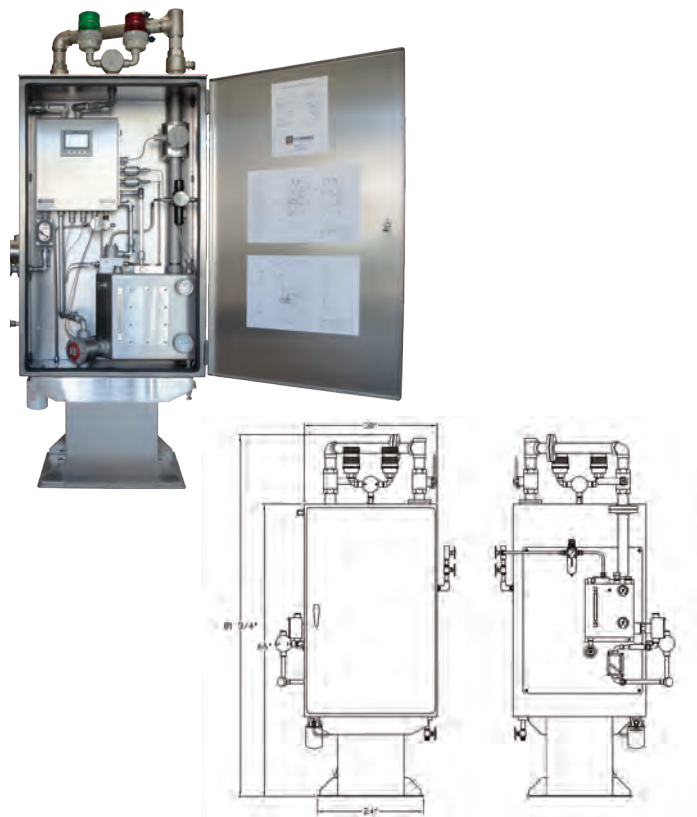


MIST GENERATORS

KMC GENERATOR

Designed for large systems where automatic monitoring
CSA approval is preferred

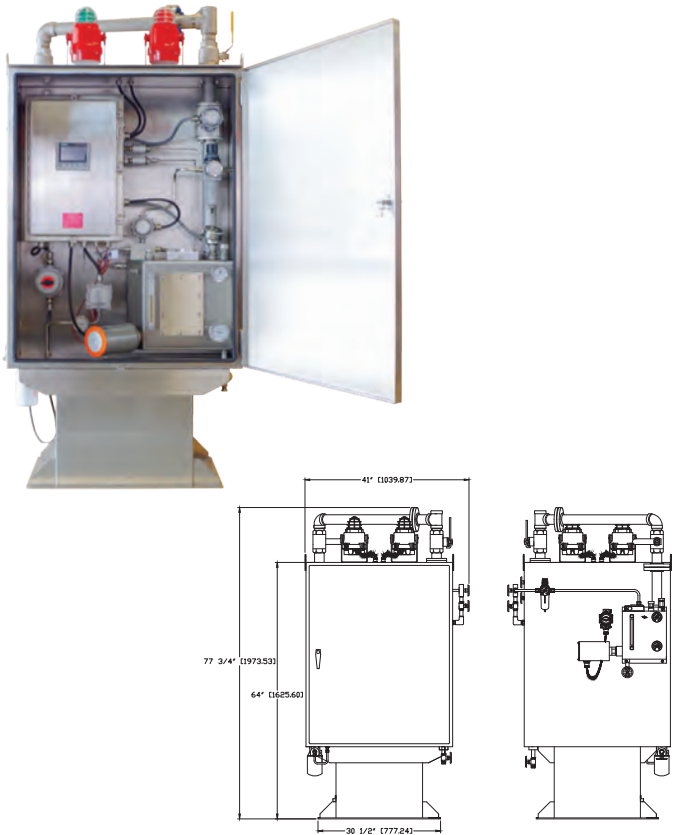
- CSA approved for Class 1, Group B, C & D, Division 2 areas
- Fully enclosed pedestal mounted; single-door enclosure
- 9-gallon SS reservoir with pressure-relief valve, oil level sight gauge and clean-out panel
- Thermostatically controlled immersion oil heater and reservoir-mounted oil temperature 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
- Optional oil mist monitor



KMCEX GENERATOR

Designed for large systems where automatic monitoring
and ATEX/IECEX approval is preferred

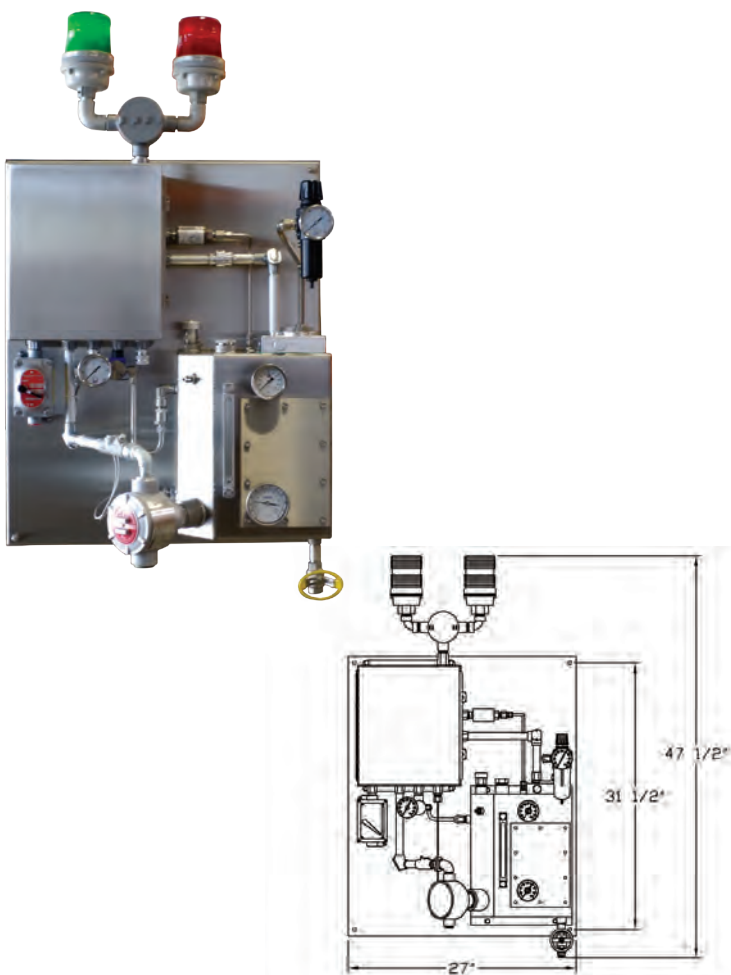
- ATEX Certification No.: LC18ATEX14541
- ECEX Certification No.: IECEx LC18.0007
- Ex nA IIC T4 Gc 0°C ≤ Ta ≤ 60°C
- Fully enclosed pedestal mounted; single-door enclosure
- 9-gallon SS reservoir with pressure-relief valve, oil level sight gauge and clean-out panel
- Optional 9-gallon SS back up reservoir
- 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
- Optional oil mist monitor



BMP GENERATOR

Designed for large systems where automatic
monitoring is preferred

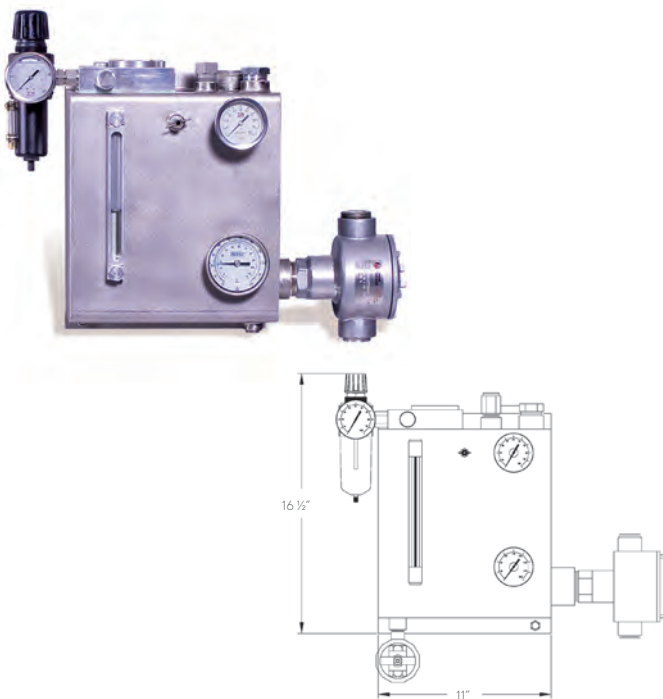
- For use in Class 1, Group D, Division 2 areas
- Monitoring capabilities
- 5-gallon SS reservoir with pressure-relief valve, oil level sight gauge and clean-out panel
- Thermostatically controlled immersion oil heater and reservoir-mounted oil temperature gauge
- High/low mist pressure transducer and 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



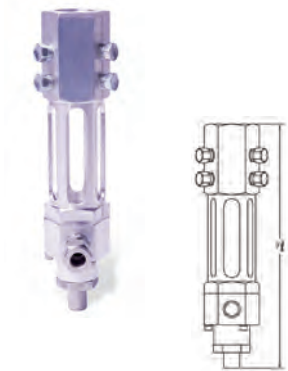
ACCESSORIES

Allied Reliability provides a full line of T.F. Hudgins oil mist 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

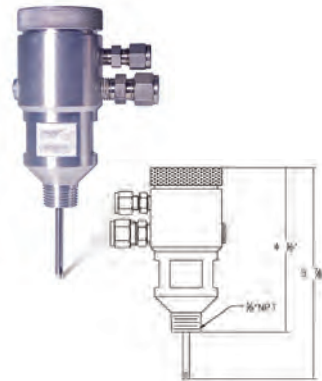
Divides and distributes the flow of mist to lube application points and allows visual inspection and draining of coalesced oil.



PURGE FILL ASSEMBLIES

P/N 45200160

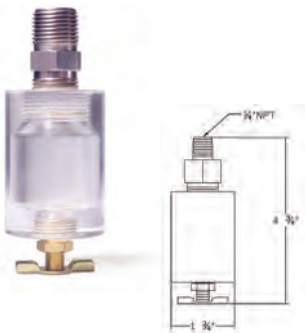
Provides flow and venting of mist into the equipment receiving purge mist; removable cap allows refill of oil into housing.



SIGHT BOTTLE ASSEMBLIES

Allows viewing of oil quality and capture of oil samples at the low point of the bearing housing.

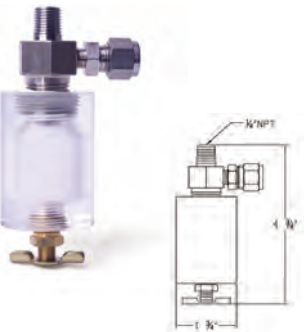
P/N	SIZE
45200152	1/4" NPT
45200153	1/2" NPT



MIST VENT COLLECTION ASSEMBLIES

P/N 45200140

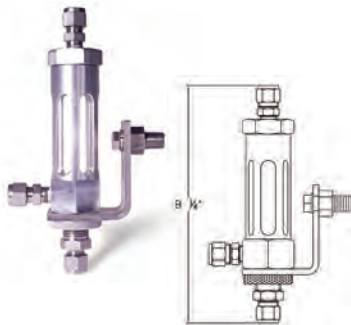
Allows viewing of oil quality and capture of oil samples at the low point of the bearing housing.



OIL LEVEL SIGHT ASSEMBLIES

P/N 45200170

Monitors and controls oil level inside the bearing housing.



CONSTANT LEVEL OILER ASSEMBLY

P/N 45200474

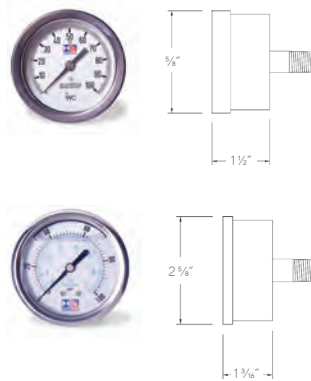
- Maintains oil level inside bearing housing
- 5 oz. capacity oil reservoir with fill cap
- Equipped with viewing chamber to set and check oil level in bearing housing
- Insures no pressure build-up in bearing housing
- Compatible with TFH purge mist vent/fill assembly and connection to TFH oil collection containers



PRESSURE GAUGES

Allows visual monitoring of system pressure.

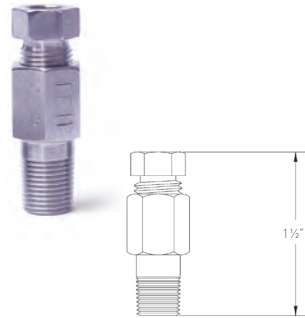
P/N	TYPE
77200277	Mist Pressure 0-100 in. H ₂ O
77200278	Air Pressure 0-100 PSI
77200279	Oil Pressure 0-300 PSI



MIST RECLASSIFIERS

Meters the flow of oil mist particles to the bearings.

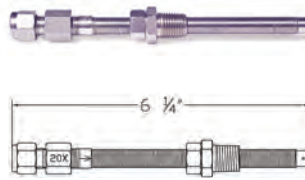
P/N	SCFM	BI
45200101	.09	3
45200102	.18	6
45200103	.30	10
45200104	.45	15
45200105	.60	20



DIRECTIONAL RECLASSIFIERS

Properly directs oil mist at a surface requiring lubrication.

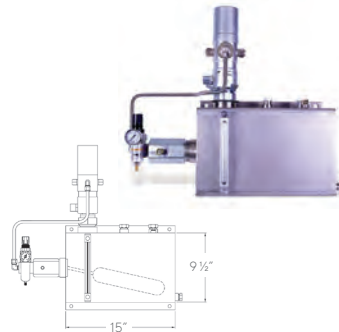
P/N	SCFM	BI
45200201	.09	3
45200202	.18	6
45200203	.30	10
45200204	.45	15
45200205	.60	20



DRAIN LEG RESERVOIRS

P/N 45200223

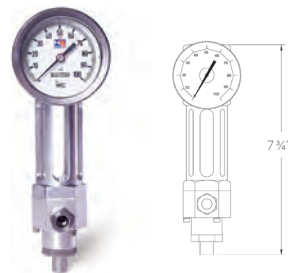
Provides for reuse of coalesced header oil, reducing oil consumption.



DRAIN LEG MANIFOLDS

P/N 45200146

Monitors and maintains header pressure while draining coalesced oil into a collection container.



COLLECTION CONTAINERS

P/N 45200210

Used for collecting excess oil mist from the bearing housing and eliminates discharge of oil to the sewer.

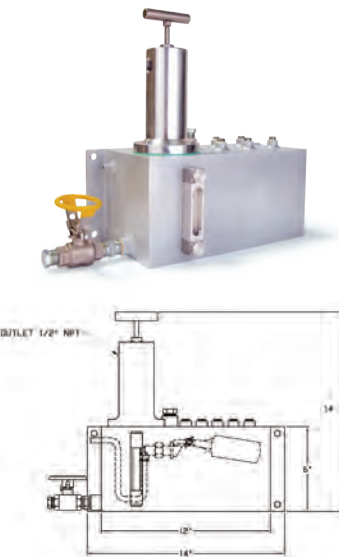


COLLECTION CONTAINER W/ HAND PUMP

P/N 45200595

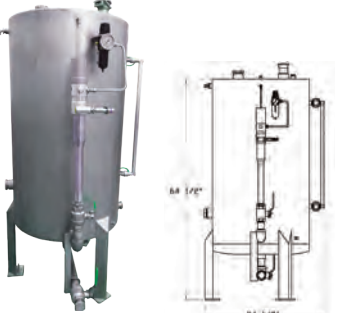
Designed for use with TFH closed-loop system

- Collects coalesced oil from bearing housing
- Excess oil mist continuously passes through container to collection system
- Design allows for simultaneous pumping of oil and continuous flow of oil mist without creating blockage of oil mist flow or system back pressure



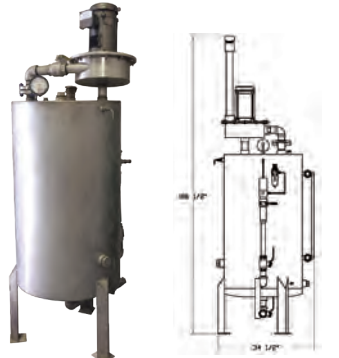
BST OIL SUPPLY TANK

- Provides storage for bulk oil
- Provides pressurized oil supply to oil mist console



DST OIL SUPPLY TANK

- Designed for use with TFH closed-loop system
- Provides automatic oil supply to oil mist console
- Coalesces return oil mist
- Designed for Class 1, Group D, Division 2 areas





YOUR LUBRICATION SOLUTIONS SPECIALIST



T.F. HUDGINS®
INCORPORATED
an Allied Reliability brand

713-682-3651
1-800-582-3834
alliedreliability.com/oil-mist

Mailing Address
10344 Sam Houston Park Drive, Suite 110
Houston, TX 77064

Shipping Address
10811 Vine Crest, Suite 170
Houston, TX 77086

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