

# MODEL IVT

## LUBRIMIST® OIL MIST GENERATORS

### LUBRIMIST® OIL MIST GENERATOR MODEL: IVT

The Total Lubrication Management's<sup>SM</sup> (TLM) LubriMist® Model IVT oil mist generator is the heart of an oil mist system that automatically and continuously delivers the right amount of fresh, clean lubricant to anti-friction bearings.

The Oil Mist generator uses compressed air to atomize oil into micron-size particles, which can be effectively transported to lubrication points up to 600 feet (180 meters), through piping and tubing. One LubriMist® Oil Mist generator can provide lubrication up to 60 pumps and drivers.

The IVT Oil Mist Generator is for large-scale, fully automated systems for process units in HPI, CPI and many other industrial facilities that require microprocessor control/monitoring and feedback to a DCS.

- Operating messages displayed in English or Metric values
- Enhanced data logging and system control
- RS422/485 Output compatible with MODBUS protocols control / monitoring, interface with DCS and reliability are required
- Maximum capacity of 933-bearing-inch or 28scfm
- Cold and hot weather packages available

### ADVANCED MICROPROCESSOR MONITORING

- Monitors all Oil Mist Generating variables
- Air temperature control ensures precise Mist density
- Enhanced data logging and system control
- Alphanumeric display panel, individual LED condition lights, plus analog gauges
- Provides extensive troubleshooting guidelines and a comprehensive data / event log

## APPLICATIONS

- Lubricates bearings in pumps, blowers and electric motor drivers in refineries and petrochemical plants.
- Purges gearboxes and bearing housings of small steam turbines with sleeve bearings.
- Over 2000 large-scale oil mist systems operating worldwide in the oil refining industry.



## FINANCIAL RETURN

- Typical ROI of less than two years.
- Oil mist extends bearing life over oil sump or grease lubrication.
- 90% reduction in lubrication-related bearing failures using oil mist technology.
- 20-year life cycle and a low operating cost offer high return and low risk.
- Improved bearing life reduces mechanical seal failures.
- Improved equipment reliability reduces fire incidents.

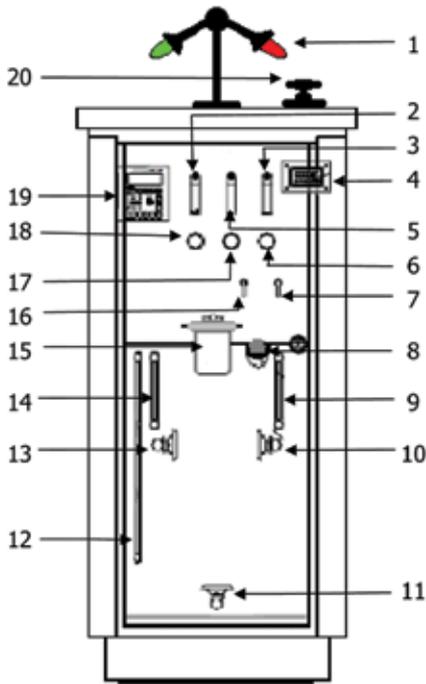
**TOTAL LUBRICATION MANAGEMENT**

A COLFAX FLUID HANDLING COMPANY

COT-PUTITECH<sup>SM</sup>

LSC<sup>SM</sup>

LUBRIMIST® MODEL IVT



**Legend**

1. Operating status lights
2. Main generator air supply valve
3. Auxiliary generator air supply valve
4. Auxiliary Mist generator controller
5. Oil supply pump air supply valve
6. Auxiliary Mist pressure regulator
7. Toggle valve – Oil supply to auxiliary generator
8. Manual fill point bulk oil reservoir
9. Back-up reservoir level gauge
10. Back-up reservoir drain
11. Bulk oil supply drain
12. Bulk oil supply level gauge
13. Main reservoir drain
14. Main reservoir level gauge
15. Oil filter
16. Toggle valve "Manual" oil supply to main generator
17. Oil supply pump air regulator
18. Main Mist pressure regulator
19. Operator keypad / electronic controls and display
20. Mist outlet (2" 150# Y-304 SS flange)

**Options**

- Various voltages
- Pre heater for cold climate
- Air cooler for warm climate
- Lubrimist® Closed Loop Demisting Package

**ENVIRONMENTAL BENEFITS**

- Environmental friendly LubriMist® Closed-Loop technology allows oil mist to be used inside buildings, in confined spaces and on test stands.
- Reduces oil consumption up to 95% with closed-loop technology.

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**DESIGN FEATURES**

- Primary and auxiliary oil mist generators
- Bulk-oil reservoir with transfer pump
- Oil mist density monitor
- Stainless steel enclosure with doors on three sides
- Self-contained 75-gallon (U.S.) (290 lts) capacity auxiliary oil supply
- Individual 9-gallon (U.S.) (34 lts) oil reservoirs, for main and auxiliary units
- Clog-resistant Vortex Mist Head®
- Optional LubriMist® patented Closed-Loop demisting package
- NEC CLASS 1 DIV 2 GROUP B/C/DT4 (CLASS 1 ZONE 2 GROUP IIB + H2T4)
- ATEX CATEGORY II 3G EEx nC IICT4 (ZONE 2)

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