

INSTALLATION & MAINTENANCE INSTRUCTIONS

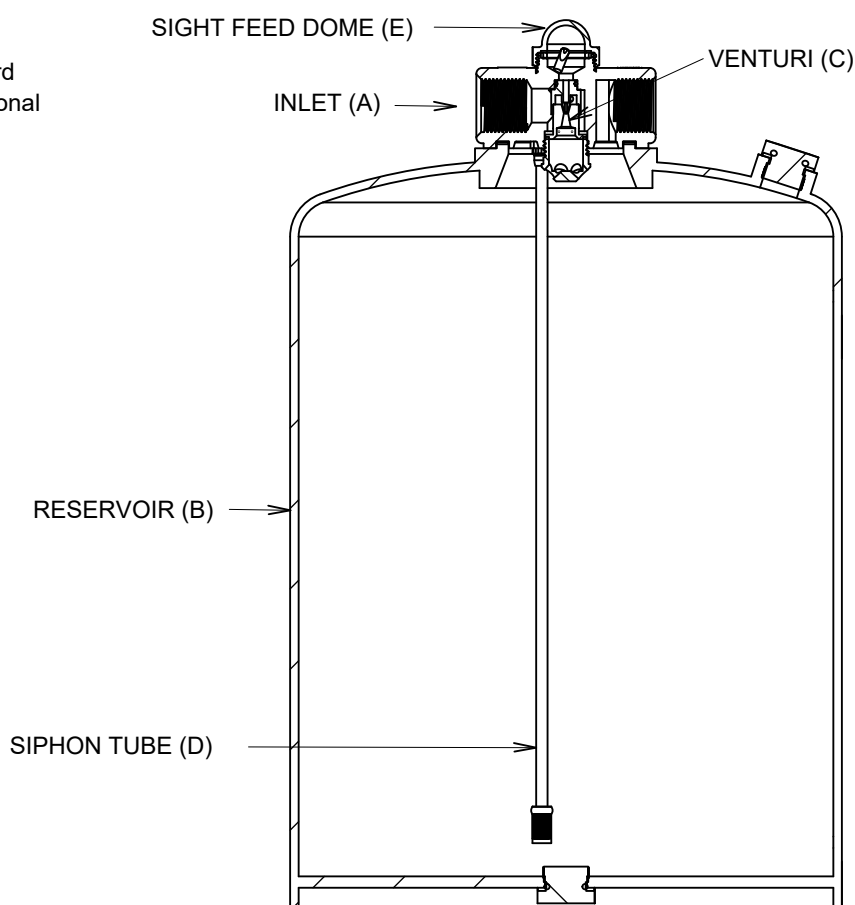
**MODEL
10-SN9**

**MICRO - MIST
LUBRICATOR**

MICRO MIST SYSTEM LUBRICATION

SPECIFICATIONS:

Fluid	: Natural Gas
Pipe Size	: 1"
Pipe Thread	: BSPT _r - Standard : BSP/NPT - Optional
Body Material	: Zinc die-cast
Tank Capacity	: 23 litre
Max. Air Pressure	: 10 bar (150 psi)
Temperature Range (Ambient)	: -20 to 80°C



OPERATION :

Part of the compressed air entering the inlet (A) is directed into the reservoir (B) through the venturi (C). The gas upon passing through the venturi section (C) creates a pressure differential which causes the fluid in the reservoir (B) to flow up through the siphon tube (D) & drips in the sight feed dome (E). This fluid mixes with the remaining part of compressed air in the venturi and form micro mist. Fluid particles greater than 2µm settle back in the reservoir. The micro mist then travels through the passage way to the downstream line and on to the points of lubrication.

INSTALLATION :

Install the lubricator near the machine it is to serve. A filter regulator should be installed directly ahead of it in the pressure line. Note the arrow on the body which indicates the direction of flow.

A supply line of 1/4" is ample to take care of maximum flow encountered. Be sure to use pipes and fittings large enough to allow free flow. Do not install any valves, pressure regulators or other restrictions between the lubricator and the point of application. Drilled and tapped holes in the main distribution lines or branch service lines are satisfactory provided the fitting does not project in the line.

ADJUSTMENTS & SETTINGS :

The only adjustment on this lubricator is the bypass adjustment screw. This can be done with a minus screw driver. To increase the flow turn in a counter-clockwise direction, to decrease turn it in a clockwise direction.

The bypass adjusting screw has only a very limited purpose of keeping recommended pressure for brief period only. Unless otherwise specifically necessary keep the bypass screw fully closed and apply red paint preventing adjustment of bypass screw by untrained hands. Reliable and consistent oil mist is ensured when bypass screw is fully closed.

It is important to note that too much opening of bypass adjusting screw can stop oil flow through drip tube. Every time when adjusting the bypass screw the flow of oil through drip tube must be observed as also the delivery of oil mist.

MAINTENANCE :

After continuous operation for months, clogging of the lubricator venturi plug may happen due to the carbon deposits or contamination in the fluid. This should be attended by cleaning the venturi plug and other parts of the lubricator.

DIS-ASSEMBLY :

To service & clean the lubricator dis-assemble as follows

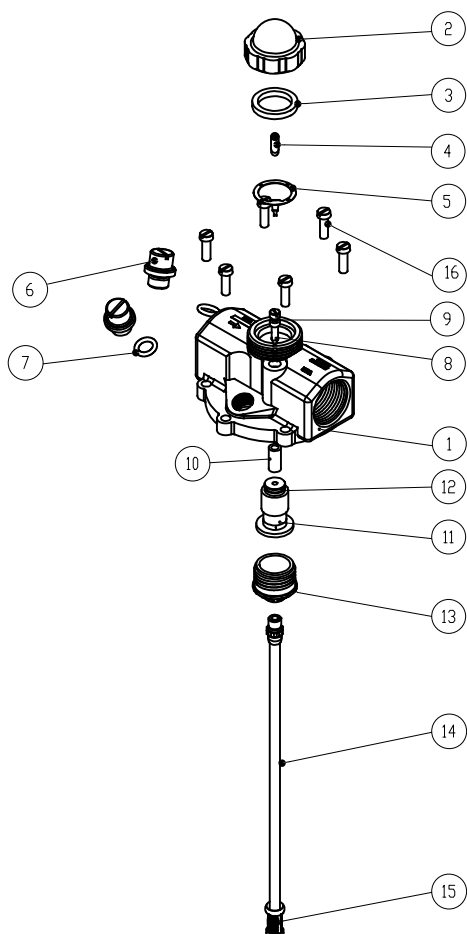
- a) Shut off the inlet pressure line.
- b) Remove the lubricator by unscrewing the mounting screws. (6 Nos)
- c) Unscrew the diffusion plug.
- d) Unscrew the siphon tube.
- e) Remove the sight feed dome and push the venturi plug out downwards.
- f) Now the Bypass screw can be screwed out all the way cleaned & fitted back. However if the bypass screw is fully tight and sealed do not open or attempt to clean it.

ASSEMBLY :

Clean all parts with warm water and soap solutions. Do not use chemicals and solvents which may react with plastic components. Make sure all drilled holes of the venturi plug are clear and open free from contamination. Assemble sequentially as below:-

- a) Screw in the bypass adjusting screw and tighten fully if open.
- b) Fit the sight feed dome.
- c) Push the venturi plug upwards.
- d) Screw the siphon tube and tighten it fully till the o'ring seals.
- e) Screw the diffusion play and tighten.
- f) Fit the lubricator on the reservoir and tighten the clamping screws.

Now the lubricator is ready for operation.



MICRO MIST LUBRICATOR TYPE 10-SN9

REPAIR KIT.....SN-7093-01

- 2. Sight - feed dome.....408-01
- 3. Sight - Feed Dome Gasket.....1792-01
- 5. Washer.....1806-01
- 7. O - Ring (Filler Plug).....2316-10
- 9. O - Ring (Adjusting Screw).....706-01
- 12. O - Ring (Venturi Plug).....1741-01
- 18. Reservoir Gasket.....1029-01

REPAIR KIT OIL LEVEL FOR TANK.....SN-7094-01

- 20. O - Ring (Filler Plug Reservoir).....SN-3014-20
- 23. Indicator Elbow Assembly.....1270-01C
- 26. Nylon Tube.....SN-7096-01
- 22. Nut 3/8".....1270-01D
- 24. Ferrule.....1270-01B
- 21. O - Ring (Nut 3/8").....SN-7097-01
- 25. Nut 1/4".....1270-01A

REPLACEMENT PARTS

- 4. Drip Tube.....1957-01
- 6. Filler Plug.....1206-01
- 8. By-Pass Adjusting Screw.....SN-1962-02
- 10. Filter Element.....406-01
- 11. Jet Venturi Assembly.....SN-7087-01
- 13. Diffusion Plug.....1958-01
- 14. Siphon Tube Assembly.....SN-102-01
- 15. Strainer.....SN-7092-01
- 16. Screw (Set of 6).....SN-7098-01
- 17. Tank.....1209-99
- 19. Filler Plug Reservoir.....SN-085-01

PARTS NOT NORMALLY REPLACED

- 1. Body.....SN-4298-01

