

Air / Oil Lubrication



Delivers high efficiency lubrication for applications requiring precise oil delivery in combination with air flow.

Some Applications;

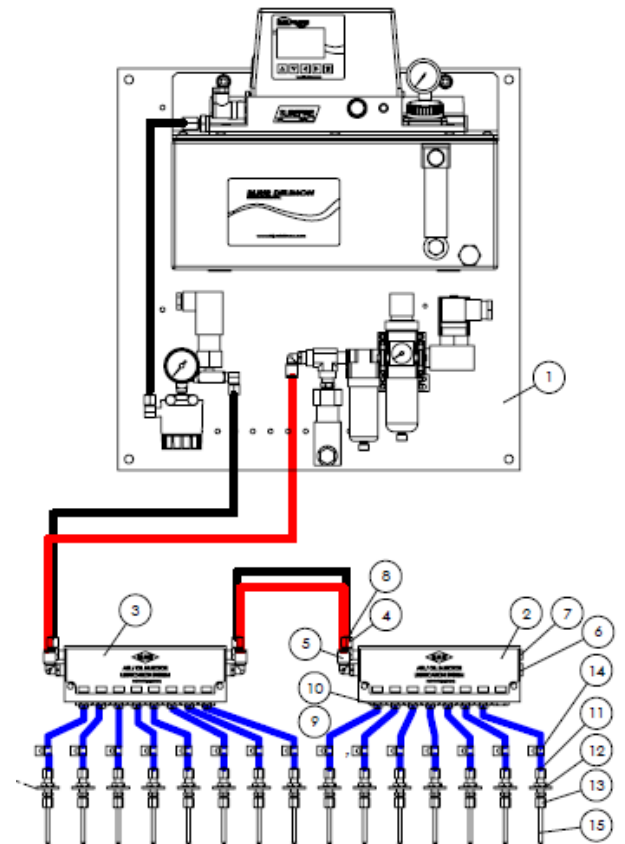
- Chain and conveyor lubrication.
- High speed spindle lubrication.
- Bearing lubrication.
- Production assembly operations.
- Lift cylinders on beverage fillers.
- Applications where a precise continuous flow of clean lubrication is required.
- Can be configured for cyclic or continuous flow operation.
- Reduced oil consumption.

Features

- Minimizes or eliminates airborne mist.
- Improved workplace environment when compared to oil mist systems.
- Keeps contaminants from entering bearings.
- Finite adjustability and control.
- Combines cooling effect with lubricant delivery.
- Versatile - systems can be configured to satisfy a diversity of maintenance and production applications.

Air/Oil Lubrication Systems deliver high-efficiency lubrication and cooling for applications requiring accurate and precise oil deliveries. The advanced design delivers precise amounts of lubricant and eliminates residual drift of oil fog or mist during operation.

Air-Oil systems are versatile and can be configured to satisfy diversities of maintenance and production applications. Air/oil lubrication allows for minimal lubricant delivery on a continuous or cyclic basis, reducing oil consumption and keeping the surface clean and free of contaminants.



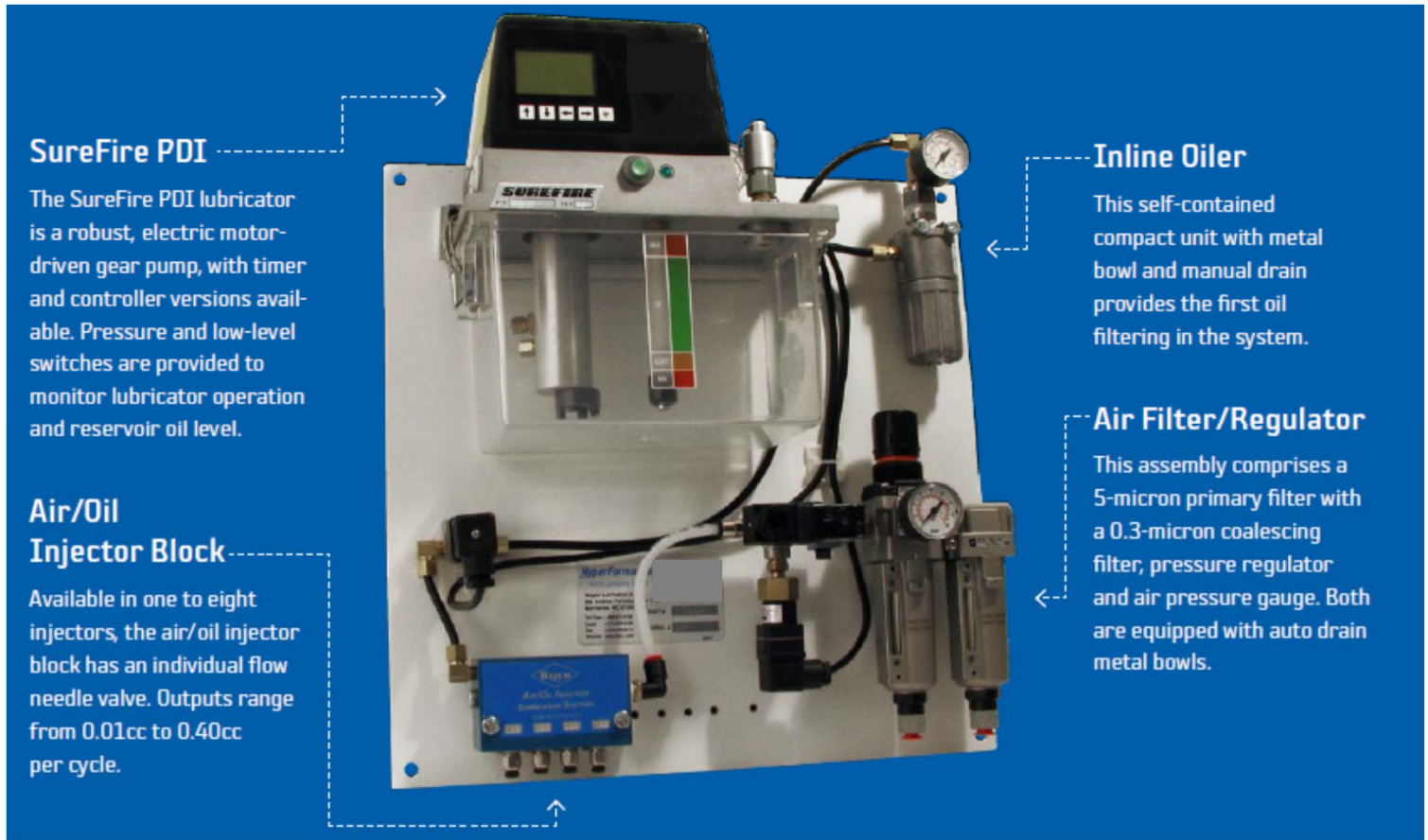
PRO/MARK INDUSTRIALS

Div. R.D. Lewis Sales Limited

Lubrication & Fluid Handling Solutions

Air / Oil Lubrication

The Air/Oil system utilizes a specially-designed positive displacement injector (PDI) with oil outputs to a close tolerance level down to 0.01cc/cycle. This permits exact oil volumes to be discharged into an air mixing valve. Controlled air and oil is then discharged through clear plastic tubing to critical bearing points. A small intermittent discharge from injectors flows along the inside tube wall and stretches out along the length of the tube. Air expansion at the nozzle tip delivers controlled spray (not mist) to bearing for optimum performance.



SureFire PDI

The SureFire PDI lubricator is a robust, electric motor-driven gear pump, with timer and controller versions available. Pressure and low-level switches are provided to monitor lubricator operation and reservoir oil level.

Air/Oil Injector Block

Available in one to eight injectors, the air/oil injector block has an individual flow needle valve. Outputs range from 0.01cc to 0.40cc per cycle.

Inline Oiler

This self-contained compact unit with metal bowl and manual drain provides the first oil filtering in the system.

Air Filter/Regulator

This assembly comprises a 5-micron primary filter with a 0.3-micron coalescing filter, pressure regulator and air pressure gauge. Both are equipped with auto drain metal bowls.



Injector Block

Displaces positive and precise amounts of lubricant into the air/oil stream.



Streak Sensing Monitor

The Streak Sensing Unit system detects and monitors the continuity of oil flow in Air/Oil systems. Monitoring takes place between the injector block and the application nozzle. The Streak Sensors are interfaced with the system controller to indicate when no oil is present.

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