

# Dixon®

## In-Line Lubricators

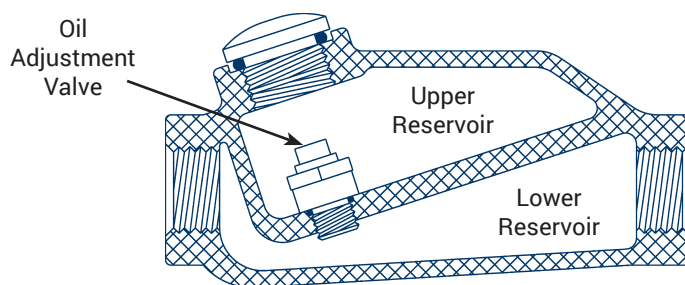


The Right Connection®

**DESIGNED FOR USE WITH HOSE-CONNECTED TOOLS THAT ARE TOO FAR FROM THE COMPRESSOR TO BE LUBRICATED BY A PERMANENTLY MOUNTED UNIT**

### Features

- The minimum flow rate that must be achieved for the PL series lubricators to work is 30 SCFM. A flow rate less than 30 SCFM will not create the pressure difference needed between chambers to force the oil into the air stream.
- Install within 25 feet of the air tool requiring lubrication. Refer to the arrow for proper air flow direction.
- Transparent sight disc allows visual inspection of oil level
- Oil flow regulated by screwdriver adjustment of oil adjustment valve inside body
- Not recommended for constant flow applications
- For use on reciprocating tools only
- Can dispense standard air tool lubricant or Dixon anti-freeze lubricant
- Lubricator body is 356-T6 aluminum



### Description

- The lubricator has two reservoirs. The upper reservoir holds the oil, and a lower reservoir that is the passageway for the air to enter. The air and oil mixture exits through the lower reservoir. The oil adjustment valve between the two compartments initially allows air to enter the reservoir to pressurize it, and then it controls the amount of oil entering the air stream.

### How it works

- Before the hose is charged with air, the pressure in both chambers of the lubricator are equal. When the tool is turned on it draws air from the compressor through the lower chamber. As air passes through the lower chamber it creates an area of low pressure. When the pressure in the lower chamber is less than the pressure in the upper chamber the dual purpose oil adjustment valve allows oil to flow at the set rate into the airstream of the chamber below to lubricate the tool. When the flow of air stops, the oil adjustment valve allows pressure to build in the top chamber until the pressure is equal between the top and bottom. As long as the pressure in the upper chamber is less than or equal to the pressure in the lower chamber no oil will flow through the oil adjustment valve.

### Storage

- The simple principle behind the operation of this lubricator does not provide for oil shut off when the tool is not being used. To prevent a pressure differential from forcing the remaining oil from the reservoir into the air line, turn the lubricator upside down or open the fill plug to depressurize the reservoir.



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