



Warning: STC Filters, Regulators, and Lubricators are designed FOR AIR FLOW ONLY. Please refer to www.StcValve.com for more detailed information, including flow charts & dimensions.

STC Lubricators

Installation:

1. Connect the source to the port with the arrow pointing away from it.
2. Connect the outlet to the port that the arrow is pointing to.
3. Fill the lubricator with oil using the procedure in **Maintenance and Troubleshooting**.
4. Adjust the amount of oil with the small knob at the top of the lubricator. The rate that the oil is being used can be seen in the clear dome on top of the lubricator.

Maintenance and Troubleshooting

Refilling Lubricant

Notes:

- When refilling, make sure the oil is compatible with the material of the lubricator. Read the warning label on the casing of the lubricator for lubricants to avoid, and the recommended lubricator for the material.
- Refill when the level of the oil reaches the line on the casing labeled "MIN. OIL LEVEL".

Procedure:

1. Unscrew the cap at the top of the lubricator.
2. Fill the lubricator with oil until the oil level reaches the line on the casing labeled "MAX. OIL LEVEL".
3. Screw the cap back into place.

Alternate Procedure:

1. Remove the casing and the bowl.
2. Fill the bowl about 7/8 full with oil
3. Place the bowl and casing back on the lubricator. Ensure that the bowl is properly sealed into place and will not fall out.

Reference Figures:



Figure 1: Model AL50000. Oil adjustment knob, indicator, and refill cap shown.



Figure 2: Warning label and min/max oil level lines on casing.



Figure 3: Refill cap removed. Inlet/outlet label shown. Flow should enter from the bottom and exit through the top.



Figure 4: Adjustment knob and indicator shown.

STC Filters

Installation:

- Connect the source to the port labeled “IN”.
- Connect the outlet to the port labeled “OUT”.
- Install the gauge on the smaller valve on the front face of the filter.

Operational Notes

- The gauge measures outlet pressure.
- Adjust the outlet pressure by pulling the knob at the top of the filter up, turning until the desired pressure is reached, and pushing the knob back into the locked position.

Maintenance and Troubleshooting

Replace the filter when:

- Filter is visibly dirty.
- There is a significant pressure drop across the filter.

Procedure:

- Remove the casing around the filter. This includes the metal shield and/or a polycarbonate case.
- Unscrew the bottom brace holding the filter in place. There will either be a screw or the brace itself can be removed.
- Replace the filter and screw the brace back into place.
- Place the casing back on the filter.

Draining Liquid

Notes:

- On D model filters, there is an auto-drain system built into the filter. The filter will drain itself when there is too much condensate in the filter. You do not have to follow the following procedures if you are using this model.
- Drain the filter when there is a noticeable amount of condensed liquid on the sides of the filter, or if the meter on the side of the filter is over half full (for models with the metal bowl).

Procedure:

To drain the filter, pull down on the release valve at the bottom of the filter. Hold the valve open until most of the moisture has dissipated.



Figure 1: Model AW4000 Filter.



Figure 2: In, Out, and Gauge ports, from left to right, respectively.



Figure 3: Model AW4000 with casing and filter removed.



Figure 4: Adjustment knob