

4STR

## INSTALLATION INSTRUCTIONS

**WARNING:** ALWAYS TURN OFF AIR SUPPLY AND BLEED AIR PRESSURE BEFORE DISASSEMBLING UNIT OR INJURY COULD RESULT.

**WARNING:** USE PERSONAL PROTECTIVE EQUIPMENT TO PREVENT EYE INJURY WHEN SERVICING THIS UNIT.

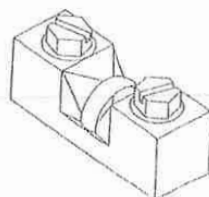
1. For best results, installation MUST NOT be at the compressor sight. Install the filter as close as possible to the machinery or air tools being used.
2. Apply thread tape to the drain and install in the drain port in the base. The Weep Drain and Electronic Drain must be installed under the first stage filter cartridge or inlet side. The Float Drain must be installed under the second stage filter cartridge or outlet side.
3. The Weep Drain should be left open up to ¼ turn (depending on the amount of liquid in the airline) at all times. The Weep Drain will allow 10 SCFH of air to escape (with 100 PSIG line pressure) in the closed position. This will allow water, oil, & contamination to drain from the unit.

## REPLACE ELEMENTS EVERY 6 MONTHS (DEPENDING ON AIRLINE CONDITIONS). SERVICE INSTRUCTIONS

- A. To service the filter, first note the position of the drain -- reference it to being under the first or second stage filter cartridge. Then remove and clean the drain. Lay it aside.
- B. Loosen the bolts on top of the manifold enough to allow the cartridges to move freely. Remove one corner bolt. Slide out old cartridges. Remove the two star spacers from the second stage cartridge. Clean star spacers. Lay them aside.
- C. Remove the lower castings by removing the remaining manifold bolts. Remove the base bolts and nuts from the lower castings. Remove the base core and base gasket. Clean castings with soap and water. Wipe dry.

**NOTE:** If the parts supplied in this service kit do not match the parts of your filter, please contact factory.

- D. Press the new base core into the base. Peel the backing from the gasket and center it on the flange between the bolt pattern and the inside edge. Note the position of the drain from above. The larger hole in the chamber must be positioned under the first stage filter cartridge. Align the base and chamber properly. Tighten the bolts and nuts in an "X" pattern, starting in the center and moving outward, to the proper torque limit.
- E. When aligning the lower castings to the manifold, install them so the larger hole in the chamber is under the inlet side of the manifold and the drain port is positioned correctly under the first or second stage (see #2 above). Start four of the manifold bolts to support the lower castings.
- F. Use new gaskets and slide in the new first stage cartridge. Use a star spacer on each end of the second stage filter and slide in the new cartridge with new gaskets. Place the first stage under the inlet side and the second stage under the outlet side. Replace the remaining bolts.
- G. Tighten the bolts to the proper torque limit in an "X" pattern. Install drain. Slowly pressurize the unit and check for leaks.



18024 Differential  
Pressure  
Gauge

The indicators are factory installed and set to indicate a 10 PSIG pressure drop across the filter. Under normal operation, the needle will point to the green zone. As the pressure drop increases across the filter the pointer will move toward the red zone. At this time the filters should be replaced to renew the filtration capabilities and efficiency of the filter.