



# 8100 SERIES SERVICE INSTRUCTIONS

## **\*\* WARNING \*\***

**RELIEVE ALL PRESSURE IN THE LINE BEFORE SERVICING FILTER ASSEMBLY**

### UNIT DISASSEMBLY

- 1) Follow all company/OSHA safety rules, such as wearing protective goggles and gloves, etc.
- 2) Turn bowl off in counter-clockwise direction. Never use any tool other than a strap wrench to remove the bowl.
- 3) Pull element off post.
- 4) Remove seal from element.
- 5) Remove seals (o-ring & backup) from bowl

### UNIT REASSEMBLY

- 1) Lubricate and install new bowl seals. The backup ring is installed closest to the threads.
- 2) Lubricate a new seal with a compatible lubricant and install into outlet port of element.
- 3) Slip element over mandrel. Be aware that Teflon (T) o-rings are difficult to engage. For specific instructions on Teflon installation contact the factory.
- 4) Inspect all threads for debris and clean thoroughly. Lubricate the threads on head and bowl and assemble. Never use any tool other than a strap wrench to turn the bowl. When screwing the bowl into the head it should take approximately 1-1/2 turns of the bowl to reach the point where the bowl seal engages the head. At this point there will be noticeable resistance when turning the bowl. It should take approximately 2-3/4 turns of the bowl past this point to reach metal-to-metal contact of the bowl face with the head. The bowl is properly seated in the head at this point. If this metal-to-metal contact is not achieved, the unit is not properly assembled and the bowl must be unscrewed and examined to determine if there is a problem with the installation of the seals or if there is some type of debris in the threads. Correct the problem and repeat this step if necessary.
- 5) After assembly, check for leaks while re-pressurizing

### RECLEANABLE STAINLESS ELEMENTS

Clean element as follows:

- 1) Remove external dirt in a separate container with cleaning fluid, and light brush.
- 2) Submerge the filter for thirty minutes in an approved cleaning fluid.
- 3) Following the soak, purge element from inside to outside with clean compressed air or similar clean gas. DO NOT EXCEED 120 PSI.
- 4) Remove any remaining cleaning solution by dipping the element in isopropyl alcohol or drying appropriately.
- 5) Contact factory to inquire about our cleaning program.

### NOTE:

The element life is based upon cleaning cycles and pressure drop. The estimated life of the element is 10 to 15 cleaning cycles. If the element has exceeded this level discard and replace.

The proper way to evaluate your element after cleaning is an ARP-901 Bubble point test. Contact factory for any cleaning or testing requirements. Recommended cleaning fluids are acetone, mineral spirits and a variety of others. Halo-carbon grease, Krytox and silicone are the only recommended lubricants.