



8700 SERIES 6,000 PSI SERVICE INSTRUCTIONS

**** WARNING ****

RELIEVE ALL PRESSURE IN THE LINE BEFORE SERVICING FILTER ASSEMBLY

RECLEANABLE STAINLESS ELEMENTS

- 1) Follow all company/OSHA safety rules, such as wearing protective goggles and gloves, etc.
- 2) Turn bowl off in counter-clockwise direction.
- 3) Pull element off post.
- 4) Remove seal from element.
- 5) Remove seal that is above threads in head.
- 6) Clean element as follows:
 - a. Remove external dirt in a separate container with cleaning fluid, and light brush.
 - b. Submerge the filter for thirty minutes in an approved cleaning fluid.
 - c. Following the soak, purge element from inside to outside with clean compressed air or similar clean gas. **DO NOT EXCEED 120 PSI.**
 - d. Remove any remaining cleaning solution by dipping the element in isopropyl alcohol or drying appropriately.
 - e. Contact factory to inquire about our cleaning program.
- 7) Lubricate a new seal and install above threads.
- 8) Lubricate a new seal with a compatible lubricant and install into outlet port of element.
- 9) Slip element over mandrel. Teflon (T) o-rings are difficult to engage.
For specific instructions on Teflon installation contact the factory.
- 10) Inspect all threads for debris and clean thoroughly. Lubricate threads on head and bowl and assemble.
For stainless steel units, torque to 12 ft. - lbs. For aluminum units, hand tighten.
NOTE: When screwing the bowl into the head it should take approximately 6-1/2 turns of the bowl to reach the point where the bowl engages the seal. At this point there will be noticeable resistance when turning the bowl. It should take approximately 1/2 turn of the bowl past this point to reach metal-to-metal contact of the bowl face with the head. 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.
- 11) Check for leaks while re-pressurizing.



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DISPOSABLE ELEMENTS

- 1) Be sure to follow all company & OSHA safety rules, such as wearing protective goggles and gloves.
- 2) Turn bowl off in counter-clockwise direction.
- 3) Pull element off post.
- 4) Remove seal that is above threads in head.
- 5) Lubricate a new seal and install above threads in head.
- 6) Lubricate the seal in the new element.
- 7) Slip element over mandrel. Teflon (T) o-rings are difficult to engage. For specific instructions on Teflon installation contact the factory.
- 8) Lubricate threads on head and bowl, then for stainless steel units, torque to 12 ft. - lbs. Hand tighten aluminum units.
- 9) While system is re-pressurizing be sure to check for leaks.

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 or Krytox are recommended lubricants. Other acceptable lubricants include petroleum jelly or silicone. Caution should be used when using dry lubricants, due to the fact that our threads are single point, precision threads and dry lubricants can disrupt clearances.



8700 SERIES 10,000 PSI & UP 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 7-1/2 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 1-5/8 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.



P8700 SERIES Visual Indicator SERVICE INSTRUCTIONS

**** WARNING ****

RELIEVE ALL PRESSURE IN THE LINE BEFORE SERVICING FILTER ASSEMBLY

- 1) Follow all company/OSHA safety rules, such as wearing protective goggles and gloves, etc.
- 2) Remove visual indicator body from head being careful not to lose any of the indicator assembly parts when pressure on spring is released.
- 3) Examine all of the indicator assembly components for damage or wear. If any components need replacement, contact the factory for the appropriate replacement parts.
- 4) For proper indicator function, the differential pressure channels from the in & out ports must be free of debris. If necessary use compressed air to blow any debris out of the channels.
- 5) When reinstalling the visual indicator assembly into the filter head be sure to install all components per the appropriate assembly drawing. All o-ring seals need to be lubricated with appropriate lubrication prior to assembly. Acceptable lubricants include petroleum jelly or silicone.
- 6) Torque indicator to 40 ft-lbs. Check for proper seating to head with a shim gauge.