



NORMAN FILTER COMPANY

14100, 34100, 4100 SERIES FILTER

PRODUCT ASSEMBLY & CLEANING

WARNING !!!

The System Line Is A High Pressure Line.

Be Sure There Is No Pressure In The Line Before Connecting/Disconnecting Filter Assembly.

STAINLESS STEEL ELEMENTS

1. Be sure to follow all safety rules, such as wearing protective goggles and gloves.
2. Use a wrench to engage hex nut on bowl and turn off in counter-clockwise direction.
3. Unscrew element from head.
4. Remove o-ring from element.
5. Remove o-ring that is engaged in head, that seals head and bowl.
6. Clean element as follows:
 - A. Remove rough external dirt in a separate container with cleaning fluid.
 - B. Soak the filter for thirty minutes in a high quality cleaning fluid (we recommend an ultrasonic bath).
 - C. Following the soak, blow through the element from inside to outside with clean compressed air or similar clean gas. **DO NOT EXCEED 100 PSI.**
 - D. Remove any remaining water particles by dipping the element in isopropyl alcohol.
7. Lubricate a new o-ring with a compatible lubricant and install into head.
8. Lubricate a new o-ring with a compatible lubricant and install into outlet port of element.
9. Screw element into head.
10. Lubricate the threads on head and bowl and torque to 12 ft. lbs.
11. Check for leaks while system is re-pressurizing.

DISPOSABLE ELEMENTS

1. Be sure to follow all safety rules, such as wearing protective goggles and gloves.
2. Use a wrench to engage hex nut on bowl and turn off in counter-clockwise direction.
3. Unscrew element from head.
4. Remove o-ring that is engaged in head and seals head and bowl.
5. Lubricate a new o-ring and install in head.
6. Lubricate the o-ring in the new element.
7. Screw element from head.
8. Lubricate threads on head and bowl and torque to 12 ft. lbs.
9. Check for leaks while re-pressurizing.

NOTE:

The filter element life is based upon cleaning cycles and pressure drop.

The estimated life of the element is 2 to 4 cleaning cycles. If the element has exceeded this level discard and replace with a new element.

Cleaning fluids that may be used are acetone, mineral spirits and a variety of others. Halo-carbon is our recommended lubricant. Other acceptable lubricants include petroleum jelly or silicone. Extreme 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.