

## NGF SERIES FILTER

Element Replacement Procedure  
Models F02 through F17

FORM NO.: 3259236 REVISION: 02/2019

READ AND UNDERSTAND THESE INSTRUCTIONS PRIOR TO  
OPERATING OR SERVICING THIS PRODUCT.

### Filter Maintenance

#### A. When to Replace Filter Element

NOTE: Grades SF, PF, UF, HF, CF - complete element is replaced;

1. Grades SF, PF, UF, HF
  - a. Operating pressure drop: As filter becomes liquid loaded (wetted), pressure drop will increase. Further pressure drop occurs as element loads with solid particles.

FOR MAXIMUM FILTRATION EFFICIENCY, REPLACE ELEMENT WHEN PRESSURE DROP REACHES 4.3 PSI (0.3 BAR) (INDICATOR IN RED AREA) OR ANNUALLY, WHICHEVER OCCURS FIRST.

NOTE: Pressure drop may temporarily increase when flow is resumed after flow stoppage. Pressure drop should return to normal within one hour.

2. Grade CF - Oil vapor removal filter
  - a. Adsorption capacity - 1000 hours at rated capacity. Element life is exhausted when odor can be detected downstream of the filter.

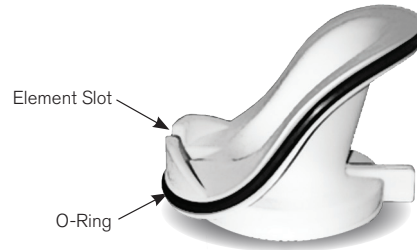
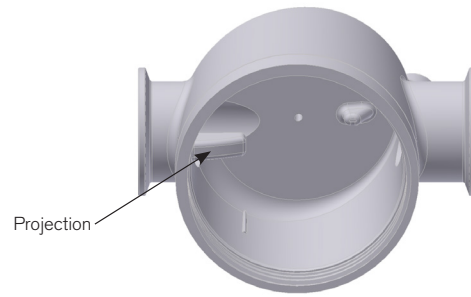


## B. Procedure for Element Replacement

**WARNING: THIS FILTER IS A PRESSURE CONTAINING DEVICE. DEPRESSURIZE BEFORE SERVICING.** If filter has not been depressurized before disassembly, an audible alarm will sound when the bowl begins to be removed from the head. If this occurs, stop disassembly, isolate and completely depressurize filter before proceeding.

1. Isolate filter (close inlet and outlet valves if installed) or shut off air supply.
2. Depressurize filter by slowly opening manual drain valve.
3. Remove bowl.
  - a. Unscrew the bowl from the filter head using hand, strap wrench or C spanner. Pull bowl straight down.
4. Clean filter bowl.
5. Replace element.
  - a. Replacing complete element.
    - 1) Pull off old element and discard.
    - 2) Make certain that the old and new element have the same part number and the end caps are the same color.
    - 3) Wipe the wall inside the filter head to remove any dirt.
    - 4) Lubricate the new element o-ring on the element top cap.
    - 5) Align the slot in the element top cap with the projection inside the filter head.
    - 6) Insert the element into the head making sure the element slot and the projection inside the filter head remain aligned.

NOTE: Handle all elements by bottom end cap only.



6. Replace housing o-ring (located at the top of the filter bowl) if needed. Make certain o-ring is generously lubricated (Use lubricant provided).
7. Reassemble bowl to head.

NOTE: Threaded bowl to head connection, generously lubricate threads with a high grade/temperature lubricant 150°F (66°C). (Use lubricant provided)

## C. Auto Drain Mechanism

It is recommended that drain mechanism be replaced annually.

Service Department: (724) 746-1100

# SPXFLOW

SPX reserves the right to incorporate our latest design and material changes without notice or obligation. For more information visit [www.spxflow.com](http://www.spxflow.com). The green "X" and "X" are trademarks of SPX FLOW, Inc.

ISSUED 02/2019 Form No.: 3259236 Revision: B

COPYRIGHT © 2019 SPX FLOW INC.

4647 SW 40th Avenue Ocala, Florida 34474-5788 USA

P: (724) 745-1555 E: [hankison.americas@spxflow.com](mailto:hankison.americas@spxflow.com)

[www.spxflow.com/hankison](http://www.spxflow.com/hankison)