

MEGR-199-103 IN-LINE FILTER INSTALLATION INSTRUCTIONS



WARNING: These products contain a chemical known to the state of California to cause cancer and birth defects or reproductive harm

INSTALLATION:

Install the MEGR-199-103 filter assembly as close as possible to the instrument that it is to service. For proper operation, the MEGR-199-103 should be installed with the arrow on the label indicating the direction of flow through the filter.

Prior to installation, remove all debris and scale from the piping that is to be used. Debris in the pipe line will cause the filter element to prematurely clog. A quality grade pipe compound should be applied to the male threads of all piping installed in the MEGR-199-103. Established piping practices should be followed when installing this filter.

!WARNING!

All installation and maintenance procedures must be performed by qualified personnel to ensure safe operation of this filter. Unsafe operation may result if installation and maintenance is performed by unqualified personnel. Immediately contact qualified service personnel for repair if any leaks are detected in the filter system.

OPERATION:

The MEGR-199-103 filter assembly is designed for clean gas or air service. The maximum pressure is 1400 PSIG (96.5bar). The filter body and filter cap are constructed of CDA 360 Brass with a cellulose filter element. The filtration rating for the standard MEGR-199-103 is 40 micron.

!WARNING!

MAINTENANCE:

The MEGR-199-103 is a high pressure device. To avoid personal injury or property damage, release all pressure from the filter assembly prior to performing any maintenance on the assembly. A pressure gauge should be used to monitor the pressure while it is being released. The filter body and pipe fittings should never be loosened while the filter is pressurized.

REPLACING THE FILTER ELEMENT

The filter element will wear over time and will eventually need to be replaced. A MEGR-199-103 Filter

Element Replacement Kit will include the items with square balloons in figure 1.

1. Ensure that the supply pressure to the MEGR-199-103 has been shut off and that all pressure in the filter assembly has been released.
2. Unscrew the filter cap (F1) from the filter body (F7).
3. Unscrew the filter screw (F2) from the filter cap and carefully remove the spring washer (F6), the filter gasket (F5) and one of the two filter washers (F4). Discard the filter gasket, and retain other three components.
4. Remove the filter element (F3).
5. Remove any debris found inside the filter body.
6. Install the replacement filter element into the filter cap with the second filter washer (F4) flush against the back of the filter cap.
7. Reassemble the first filter washer and the replacement filter gasket on the filter element.
8. Place the spring washer on the filter screw with the concave portion of the spring washer facing towards the filter screw head.
9. Install the filter screw into the filter cap and torque to 8 in-lbs.
10. If necessary, reapply a quality grade pipe compound to the male threads of the filter cap.
11. Install the filter cap back into the filter body and torque to 30 ft-lbs.

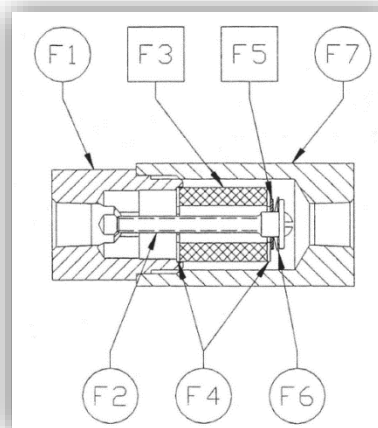


Figure 1:
 MEGR-199-103
 Part Id