

AF 908 Air Line Filter Assembly

Product Description

The AF 908 air line filter assembly removes particulate matter, oil, and water from a compressed air source. The filter cartridge coalesces oil and water droplets, converting them into bulk liquid that is easily drained from the housing. The particulate rating also ensures retention of solid particles. The unit is readily maintained without disassembly of the connecting piping.

Product Number

908-051

Required Tools

- Medium flat-blade screwdriver
- Slip joint pliers
- Adjustable wrench

Prerequisites

- Install shut-off valve ahead of all equipment.
- Always blow out line to remove scale or other foreign matter.

Expected Installation Time

30 minutes

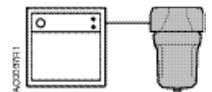
Warning/Caution Notations

WARNING		Personal injury/loss of life may occur if a procedure is not performed as specified.
CAUTION		Equipment damage, or loss of data may occur if the user does not follow procedure as specified.

Installation

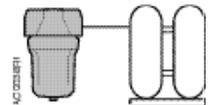
Downstream of Refrigerated Air Dryers

A refrigerated air dryer tends to condense and drain away both water and oil during normal operation. Install the AF 908 filter assembly on the side *leaving* the refrigerated air dryer before the pressure reducing valve. This installation position can extend the life of the filter element also.



Upstream of Desiccant or Membrane Air Dryers

A desiccant air dryer utilizing silica gel can become inoperative if the desiccant is coated with oil, which prevents absorption of water. Install the AF 908 filter assembly on the side *entering* the desiccant air dryer to extend the operating life of the dryer.



Downstream of Pressure-Swing Desiccant Dryers

Install the AF 908 filter assembly on the side *leaving* the desiccant air dryer to remove fine particulate.

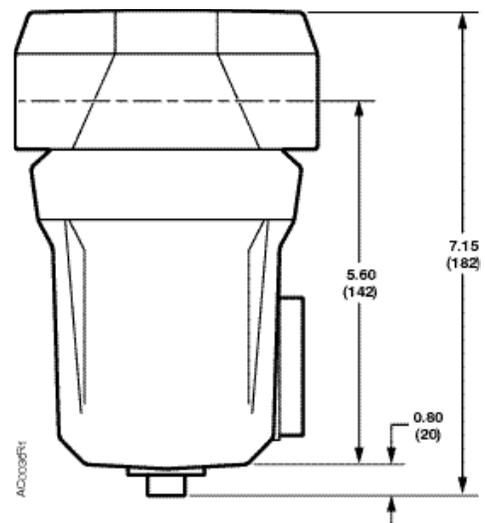
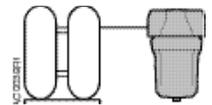


Figure 1. Air Line Filter Assembly Dimensions in Inches (Millimeters).

Maintenance

Filter Element Replacement

The filter element should provide a minimum life of approximately 1500 hours of continuous operation at rated capacity. For maximum filtration efficiency, replace the element when the pressure drop reaches 10 psi (69 kPa) or annually, whichever occurs first.

Use a 908-052 filter element to replace the filter element (*Figure 2*) in an AF 908 filter assembly as follows:

1. Isolate the filter by closing the inlet and outlet valves, if installed, or by shutting off the air supply.
2. Depressurize the filter by *slowly* opening the manual drain valve.
3. Remove the bowl by pushing bowl up, turning 1/8 turn counterclockwise, and pulling the bowl straight down.
4. Clean the filter bowl.
5. Replace the element as follows:
 - a. Pull off the old element and discard it.
 - b. Make certain the O-ring inside top of the replacement element is in place.
 - c. Push the element onto the filter head until it seats.

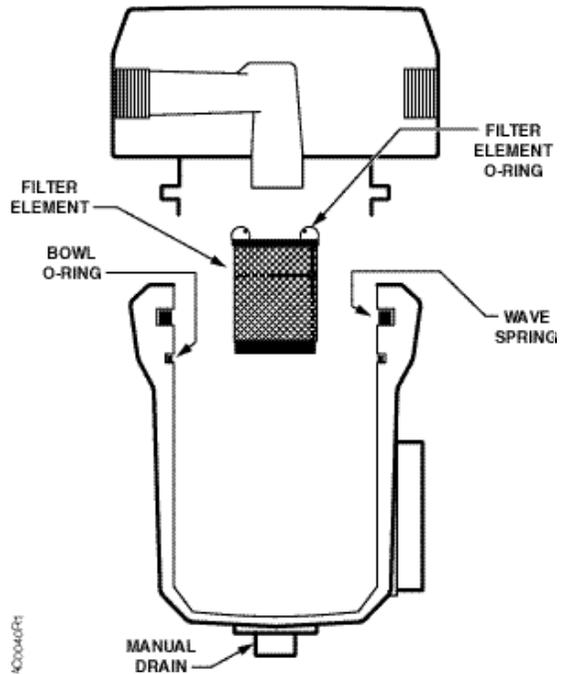


Figure 2. Filter Element Replacement.

Drain Mechanism

Drain is a manual port. Periodically drain any liquid accumulation in the filter bowl to prevent blocking of the filter element.

Troubleshooting

	<p>CAUTION:</p> <p>Never handle the filter element by its outside foam sleeve or damage can result. When installing a replacement filter element, hold it by the bottom seal plate only.</p>
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	<p>WARNING:</p> <p>Failure to depressurize filter bowl before servicing or use of compressor lubricants other than those specified by Siemens can result in filter bowl fracture and serious injury.</p>
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6. Make certain that the O-ring inside the collar of the bowl and the wave spring are in place. Reassemble the bowl to head.

NOTE: Make certain the O-ring is generously lubricated. Also, the wave spring ends should point down so the wave spring does not interfere with re-assembly.

7. Re-apply system pressure to the filter by *slowly* opening the outlet and inlet valves, if installed, or by *slowly* turning on the air supply.

If the AF 908 air line filter assembly becomes inoperative, replace the device.

Reference

AF 908 Air Line Filter Assembly Technical Instructions, 155-312P25

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