

MIST ELIMINATOR REPLACEMENT CARTRIDGE PROCEDURE

1. WHEN TO REPLACE FILTER CARTRIDGE

- A. Initial (dry) pressure drop: 1 psi nominal.
- B. Operating pressure drop: During operation the filter cartridge becomes liquid loaded (wetted). At rated flow conditions, operating pressure drop will normally be: 0.5 to 1 psi. Further pressure drop will occur only as the cartridge becomes loaded with solid particles.
- C. Changeout pressure drop: IT IS RECOMMENDED THAT THE CARTRIDGE BE REPLACED FOR MAXIMUM FILTRATION EFFICIENCY WHEN PRESSURE DROP REACHES 3 PSI.

Note: Pressure drop after flow interruption
When flow is interrupted for several hours, the pressure drop may temporarily increase upon the resumption of flow. Normally, within one hour, the pressure drop should return to where it was prior to stopping the flow. This phenomenon is not cause for filter cartridge replacement. It is due both to residual liquids contained within the cartridge "pooling" and a change in the viscosity of these liquids due to a temporary temperature change.

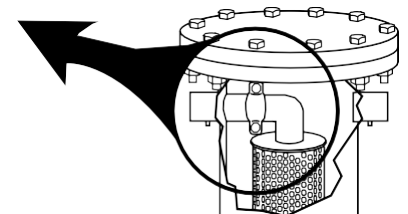
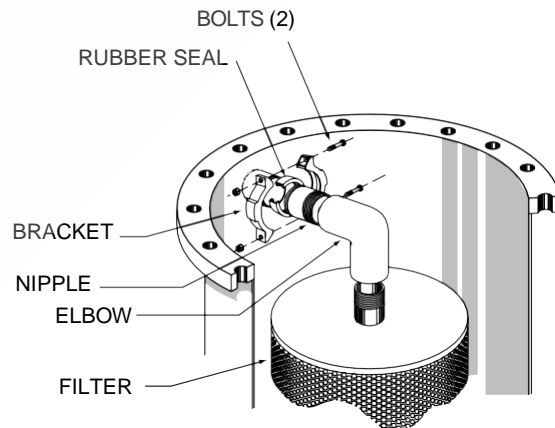
Model Number	Replacement Cartridge	Flow scfm
MM1	MM1F	125
MM2	MM2F	250
MM3	MM3F	500
MM4	MM4F	1100
MM5	MM5F	1500
MM6	MM6F	2100
MM7	MM7F	2400
MM8	MM8F	3000

2. PROCEDURE FOR FILTER CARTRIDGE REPLACEMENT

A. FOR UNITS SHIPPED PRIOR TO MARCH 2005

⚠ CAUTION THIS FILTER IS A PRESSURE CONTAINING DEVICE. DEPRESSURIZE BEFORE SERVICING.

- 1) By-pass the filter assembly to permit servicing.
- 2) Depressurize the filter assembly slowly by opening blowdown valve.
- 3) Remove blind flange bolts.
- 4) Lift flange off vessel.
- 5) Remove grooved pipe fitting that holds elbow to vessel and pipe nipple that is attached to inlet connection.
- 6) Remove pipe nipple, elbow, and cartridge.
- 7) Remove old cartridge from elbow and discard.
- 8) Reinstall new cartridge in elbow.
- 9) Place cartridge and elbow assembly into vessel, reinstall pipe nipple and reconnect grooved pipe fitting.
- 10) Close vessel - Install blind bottom flange into position. Re-bolt after inspecting flange gasket to ensure its integrity.
- 11) Pressurize unit slowly by slowly opening inlet valve, then opening outlet valve, and finally closing by-pass valve.



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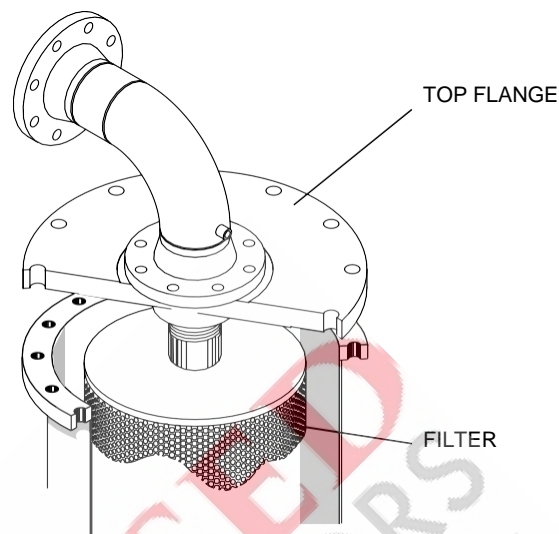
B. FOR UNITS SHIPPED AFTER MARCH 2005

⚠ CAUTION THIS FILTER IS A PRESSURE CONTAINING DEVICE. DEPRESSURIZE BEFORE SERVICING.

- 1) By-pass the filter assembly to permit servicing.
- 2) Depressurize the filter assembly slowly by opening blowdown valve.
- 3) Remove bolts securing the filter top to the vessel.
- 4) Remove the top flange of the filter complete with filter element.
- 5) Clean the inside of the vessel and inspect for any signs of corrosion.
- 6) Unscrew the filter element from the top flange. Discard the element in accordance with applicable regulations.

Used elements typically hold contaminants, such as compressor lubricants and particulate matter.

- 7) Thread new element into top flange.
- 8) Replace top flange (complete with new filter element).
- 9) Reinstall bolts to secure filter top.
- 10) Slowly repressurize filter housing and check for any leaks.



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SPX HANKISON

COMPRESSED
AIR ADVISORS
Inc.

Compressed Air Advisors, Inc.

Phone: 877.247.2381

info@compressedairadvisors.com

www.compressedairadvisors.com