



UNIVERSAL SILENCER

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Installation, Operation and Maintenance Instructions for FH & FSH Series Filter Silencers

Care and Cleaning of Filter Elements

- Felt and paper filter elements should be cleaned or replaced when the pressure drop increases 4" w.g. above the clean condition. Wire mesh elements should be cleaned on an annual or semi-annual basis depending on the air quality. While the filter element can withstand greater pressure drops, failure to replace or clean the element at this time may result in dirt carry-over into the system being protected.
- Filter elements are accessed by removing the wingnut holding the weatherhood or louver and removing the weatherhood or louver.
- Do not remove any other hardware, nuts or bolts.
- Remove the element by opening the Velcro straps, or removing the wingnut retainer clips, and pulling the element away from the sealing plate.
- Periodically inspect the paint finish for damage or deterioration. Minor localized damage may be touched up using touch-up paint. Areas with extensive damage or deterioration may require spot blasting and recoating. Consult paint manufacturer's recommendations.
- Examine connecting flange and support/anchor bolting yearly. Retighten loose nuts as required.

Paper and Felt Filter Elements

- These elements are dry type elements. Do not use oil or adhesive on these elements. Although both paper and felt elements can be cleaned and re-used, paper elements are inexpensive and are generally considered to be replaceable.

- Water Cleaning (Felt only): Rap gently to dislodge accumulated dirt. Soak thoroughly approximately 15 minutes in warm water and mild detergent. Rinse thoroughly under low-pressure water. Air dry (do not dry with compressed air).
- Compressed Air Cleaning (Paper only): carefully direct compressed air (100 PSI maximum) through element, opposite normal direction of flow.
- After cleaning, inspect element carefully for holes or cracks. Replace element if it is damaged.

Wire Mesh Filter Elements

- For best efficiency, wire mesh elements must be treated when new and after each cleaning.
- For oil free adhesive, spray the element on both sides with Universal Oil-Free Adhesive, P/N 81-0323, following directions on container.
- For oil treatment, dip the element in SAE 30-50 motor oil and drain thoroughly before replacing.
- To clean wire mesh elements, wash in solvent or warm water and detergent in a container large enough for complete immersion of element. Rinse completely, drain and either air dry or use compressed air.
- After cleaning, inspect element carefully for holes or cracks. Replace element if it is damaged. Re-treat element with oil-free adhesive or oil as described above.