



MFD

Setup Guide: MGFB Series Coalescing Filters

1.0 General Setup Instruction

- 1.1 Install coalescing filters vertically with the bowl and drain knob at the bottom. Orient the filter so that air flows in the direction of the arrow on the filter housing. NOTE: Never allow air to flow opposite the direction of the flow arrow. Filter element damage and contamination will occur.
- 1.2 Install the coalescing filter as close as possible to the component to be protected.
- 1.3 For maximum life, install a 5 μ (or better) particulate filter immediately upstream of the coalescing filter.
- 1.4 Do not install coalescing filters in an air system that may produce momentary pressure spikes. Significant pressure spikes may damage the filter element and allow downstream contamination.

2.0 Operation

- 2.1 Monitor liquid level to ensure that coalesced liquid does not reach the bottom of the filter element. Models with automatic drains will drain liquid when the level reaches the maximum. Models with semi-automatic drains must be periodically depressurized to drain liquid. Manual drain models must be drained by pushing up on the drain barb (200 series) or turning the drain valve (300 and 400 series).
- 2.2 Replace the filter element at least once a year, when signs of contamination appear, or the pressure drop reaches 5-10 psi.

- 2.3 Regularly inspect the polycarbonate bowl (if equipped) for signs of cracks or crazing. If such signs are observed, replace the bowl immediately.

3.0 Repair

- 3.1 Remove polycarbonate bowls by unscrewing the bowl from the filter housing (200 series) or unlocking the bowl guard retainer (300 and 400 series). For models with metal bowls, remove the four retaining screws.
- 3.2 Remove the filter element retaining screw and discard the used filter element.
- 3.3 Clean all components with a mild soap/water solution. Install a new filter element using the original retaining screw, o-ring, and retainer cap.

