



MODELS F222 & F451 LIQUID/PARTICLE FILTERS

Specifications - Installation and Operating Instructions



F222

Coalescing compressed air filters protect equipment and instrumentation from harmful contaminants such as dirt, water, and oil. Liquids are continuously coalesced and released through the manual drain valve. Replaceable filter element removes particles and droplets as small as 0.1 micron with 93% efficiency. Each assembly comes complete with a filter cartridge and a manual drain valve.

MODEL NUMBERS

Model Number	Maximum Flow	Repl. Filter Element
F222	22 scfm	1201-2
F451	45 scfm	1201-3

INSTALLATION

The model F222 coalescing compressed air filter is designed to be mounted in-line. The unit is equipped with 1/4" inlet and outlet ports. An arrow, indicating flow direction, is molded into the head assembly. When installing make sure the inlet and outlet ports follow the direction of the indicating arrow.

The model F451 coalescing compressed air filter has 1/4" NPT(F) inlet and outlet ports. The unit also has 1/4-20 mounting holes tapped for panel mounting or mounting on a bracket. Follow flow direction on label.

Warning: Be sure the media being used is compatible with the material used in constructing the filter assembly. Do not expose filter assemblies to solvents, alcohols, or glycols. Exposure to these materials could cause failure of the housing. Use only non-detergent mineral base oils. Use of other oils could lead to dangerous failure of the product.



F451

SPECIFICATIONS

Maximum Pressure: 150 psig.

Maximum Temperature: 130°F (54°C).

Max. Flow at 100 psig: 22 scfm (model F222); 45 scfm (model F451).

Mounting: In-line only (model F222); 1/4-20 mounting holes (model F451).

Inlet & Outlet Ports: 1/4" NPT(F).

Materials of Construction (F222): Nylon head, bowl, tie rod, and internals, Buna-N seal.

Materials of Construction (F451): Anodized Aluminum head, Polycarbonate bowl, Cadmium plated steel tie rod, nylon internals, Buna-N seal.

Weight: 0.5 lbs. (0.2 kg) model F222; 1.1 lbs. (0.5 kg) model F451.

OPERATION

All installation and main-tenance activities should be performed using reasonable care. Turn off compressed gas supply and depressurize the filter housing prior to performing routine maintenance.

A manual drain valve is located at the bottom of the filter bowl. For model F222, open drain valve by depressing drain pin. Pin will automatically return to closed position when pressure is removed. To release coalesced liquids from model F451, turn stopcock clockwise. Turn counterclockwise to close drain valve.

Both filter assemblies include a replaceable filter element. The filter element should be replaced when a noticeable pressure drop occurs across the filter assembly. How often the element needs to be replaced is strictly application dependent. Replacement filter elements are available for both models. See table above left for correct model numbers.