**Series F700**

**Nylon Filter**

Ideal For Filtering Liquids and Gases in Low Pressure Systems

The F700 Series of filters is ideal for the filtering of liquids or gases in low pressure systems. The nylon construction is resistant to harmful components often found in sample streams. Replaceable filter elements remove particles and droplets as small as .01 micron with 95% efficiency.

**SPECIFICATIONS**

- **Filtration Efficiency:** 95% (removal of .01 micron particles).
- **Pressure Limit:** 100 psig (6.89 bar).
- **Temperature Limit:** 120ºF (49ºC).
- **Max. Flow at 100 psig:**
  - F710N, F711N: 23 SCFM (651 lpm);
  - F760N, F761N: 27 SCFM (765 lpm).
- **Inlet & Outlet Connections:**
  - F710N: 1/8˝ NPT;
  - F711N, F760N: 1/4˝ NPT;
  - F761N: 1/2˝ NPT.
- **Mounting:** In-line only.
- **Materials of Construction:** Complete nylon construction (head, bowl, internals) with a fluorocarbon (FKM) O-ring seal.
- **Internal Volume:**
  - F710N, F711N: 3.05 in³ (50 cc [mL]);
  - F760N, F761N: 10.5 in³ (172 cc [mL]).
- **Weight:**
  - F710N, F711N: .15 lb (.068 kg);
  - F760N, F761N: .4 lb (.18 kg).

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**Model F222, Liquid/Particle Filter**

**Model F451, Liquid/Particle Filter**

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 valves. Replaceable filter element removes particles and droplets as small as 0.01 micron with 93% efficiency. Units have 1/4˝ female NPT inlet and outlet and manual drain valve.

**SPECIFICATIONS**

- **Filtration Efficiency:** 93% (removal of 0.01 micron particles).
- **Maximum Pressure:** 150 psig (10 bar).
- **Maximum Temperature:** 130°F (54°C).
- **Max. Flow at 100 psig:**
  - 22 SCFM (F222);
  - 45 SCFM (F451).
- **Inlet & Outlet Ports:**
  - 1/4˝ female NPT.
- **Mounting:** In-line only (F222);
  - 1/4-20 mounting holes (F451).
- **Materials of Construction:** Anodized aluminum head, polycarbonate bowl, cadmium plated steel tie rod, nylon internals, Buna-N seal.
- **Weight:**
  - 0.5 lb (0.2 kg) (F222);
  - 1.1 lb (0.5 kg) (F451).