

## **Filters, Strainers and Scrubbers**

### **HIGH PRESSURE INSTRUMENT FILTER DRYERS & CARTRIDGE REFILLS**

IMAC instrument filter dryers and cartridge refills provide cost effective instrument filtration for pneumatic controllers, heaters, enclosure systems, and other instruments. IMAC filter dryers accomplish filtration down to 4 microns and remove particles, moisture, H<sub>2</sub>S, odorant, and other impurities that can affect instrument performance.

Different assemblies are available that include pressure cuts (regulators), gas conditioning (catalytic heaters), automatic filter switching and drain valve.

- • Pressure tested to 1.5x Maximum Capacity, then re-tested fully assembled to max capacity.
- • Individually serial numbered and certified
- • In-stock item
- • Epoxy coated corrosion resistant housing
- • Spin on type media canister easily replaced in the field
- • Canisters are interchangeable with other manufacturers
- • Easy wall mounting

Models include (max capacity: 3000 cfh, maop 1500 PSIG):

- • FD-19: Height: 6.5"
- • FD-4: Height: 13.5"
- • FD-5: Height: 20.5"

Optional equipment includes external and internal bypass manifold and inline moisture indicators.

### **IMAC Filter Dryer Switching Assymbly:**

The IMAC Filter Dryer Switching System filters, dehydrates, and regulates gas. Optional accessories include Brass, Electroless Nickel or Stainless Steel Regulators, Brass or Plated Steel Relief Valve, Moisture Indicator, and Pressure Gauges. The IMAC Filter Dryer Switching Assembly mounts two FD-5 filter dryers in parallel with instrument pressure regulators on each of the outlets. By setting one regulator 20 PSI higher than the other regulator, only one filter dryer will be in service at a time. When the in-service filter dryer becomes saturated, hydrates will pass through and cause the regulator to freeze off. The second filter dryer will begin operation. This allows for longer service between filter changes and redundancy of filtration and regulation. Valves in the system allow for changing cartridges without interruption of service.