



Products and Solutions for Air/Gas Filtration

Sewn Filters

**Air & Gas Pressure
Filters/Housings**

Coalescers

Panel Filters

**Compressor Air Intake
Filters**

Compressor/Blower Air Intake Systems

Benefits of NAFCO® Compressor/Blower Air Intake Systems

- Custom design - including optional self-cleaning inertial spin filters to extend downstream filter life
- Multi-stage design to customize for specific requirements
- Optional differential pressure gauges or transmitter available
- 3 types configuration available:

Standard Air Intake

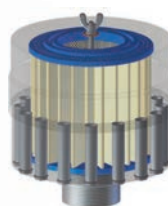
Standard Air Intake Filters provide protection of centrifugal compressors, rotary screw compressors, blowers, turbines, and other industrial equipment. FAA Filters engineer these products ranging from 10 micron down to 0.3 micron.

Walk-In Intake

Air Intakes play a critical role in protecting all internal components. FAA will customize and engineer a solution for your needs. Our large Walk-In Intakes can handle air flows up to 100,000 SCFM.

Round Intake

FAA Filters offer a complete line with multiple versions to meet your tight dimensional requirements by being able to mount directly to your equipment or be installed remotely inline on your piping. These filters are designed to withstand harsh industrial environments for indoor and outdoor applications.



Type A



Type B



Type C

Process Air/Gas Products



Molded End

The Molded End cartridge with double seal open radial fin design.

Designed to replace existing filter elements for improved filter performance and substantially reduced maintenance costs. Extend the life of your industrial equipment with molded end cartridge and remove dust and contaminants downstream.

Molded End filters are typically found in fan and blower inlets, axial compressors, turbines, and in pre-filter in multistage centrifugal compressor inlets.

- Double seal design
- Heavy-duty construction to prevent collapse
- Mesh supported media

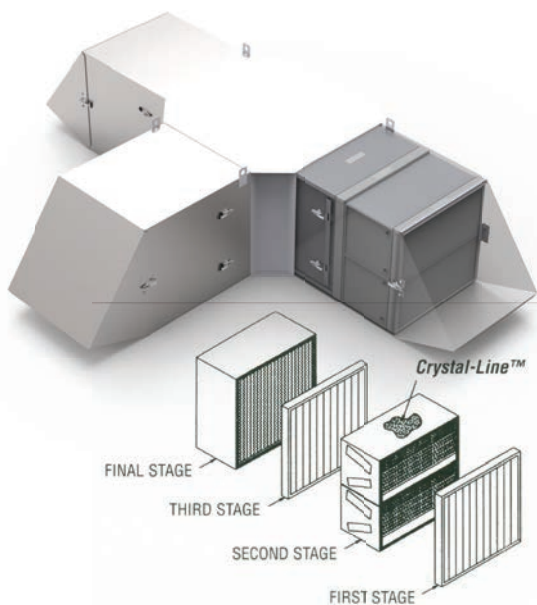


NAFCO® Panel Filters and Housings

NAFCO® Panel Filters offers a reliable and no bypass solution to ensure that no contaminants can reduce the quality of your process air requirements.

NAFCO® Panel Filters provides dependable ultra efficiency media for maximum protection of high speed rotating equipment and features continuous gaskets for no bypass guarantee.

- Lower pressure drop
- Greater dust holding capacity
- Longer life



Crystal-Line™ Corrosive Gas & Particulate Removal System

Intake air can contain corrosive gases in the smallest concentrations and cause severe compressor damage in a matter of time. The unique four stage system ensures maximum protection from corrosive gases and sub-micron particulates. Our Crystal-Line media is effective at removing corrosive pollutants.

- 1st Stage Prefilter: 98% of 10 micron filter provides the necessary protection for the Crystal-Line™ media
- 2nd Stage Filter: Consist of two media panels filled with enhanced chemisorbents to react and oxidize corrosive gases
- 3rd Stage Life Extender Filter: 98% efficient of 4 µm & larger
- 4th Stage Final Filter: 99.97% efficient of 0.3 µm

Products for Compressed Air & Gas and Vacuum Filtration - Sewn End Filters



Real Filter®

FAA Filters patented radial fin filter assures no bypass and provides peace of mind in removing particulate from air/gas stream, vacuum lines and process gas streams. Real Filters® unifies the seal with the filter core. The improved fin design allows the fins to be obstruction free, eliminates fin deformation and fatigue and results in greater flow capability.

- Maintains integrity when stacked in housing
- Zero bypass results in no contamination



Sure Seal®

FAA Filters economical sewn radial fin filter with the exclusive absolute seal design.

Sure Seal® patented radial fin filter assures no bypass and provides peace of mind in removing particulate from air/gas stream, high temperature air/gas, high temperature corrosive air/gas and general air/gas applications.

- Full utilization of filter surface area
- Extended filter life equates to increased productivity



Molded End

The Molded End cartridge with double seal open radial fin design.

Designed to replace existing filter elements for improved filter performance and substantially reduced maintenance costs.

- Double “O” ring seal type
- Heavy duty construction to prevent collapse
- Mesh supported media



Coalescers

Coalescers remove mists and particulates from air/gas streams and vacuum pump discharges.

- Two-stage reverse flow fiberglass cartridge
- Coalesced liquid agglomerates in outer drainage layer, then drains off the cartridge without being re-entrained into the gas stream
- Extends filter life

Real Filter® and Sure Seal® are patented:
USA RE-32,851; CANADA 1,272,967; EUROPE 0181716



Air/Gas Pressure Filters & Housings



4000 Series - Compressed Air/Gas, Vacuum

FAA Filters gas pressure filters are designed to perform at full vacuum or 6,000 psi, one cubic feet per hour or 300 million cubic feet per day at temperatures up to 700°F. The filters are designed for applications such as removing oil and water from natural gas or compressed air or remove particulates from gas streams. FAA Filters can design and fabricate simplex or duplex systems to ASME standards.

- Multiple closures available
 - ASME blind flange
 - Quick opening threaded style
- Flexibility for customized design



5000 Series - Coalescers

FAA Filters 5000 series coalescing filters remove the aerosols and particulates from compressed air and other gas streams, which otherwise could plug small orifices in low-NOx and Ultra low-NOx burners and result in unscheduled maintenance and down time.

- Protects low-NOx and Ultra low-NOx burners for trouble-free operation
- Assists with NOx emission standards compliance
- Removes 99.9% of solid particulates 0.3 μ m and larger
- Proven design with long lasting coalescing cartridges

A History of Excellence



NAFCO

- Air & Gas Pressure Filters
- Air Intake Filters
- Panel Filters
- Pressure Vessels



REFILCO

- Quality Replacement Lube/Oil Filters
- Hydraulic Filters
- Synthetic Lube/Oil Filters
- Fuel Filters

Experience — Performance — Solutions — Service

FAA Filters is located in Newark, New York. Since inception, our designs have been based on the principle of superior filtration with the introduction of several patented filter products that offer our customers significant filtration advantages. FAA Filters has continued its strong tradition of innovation with its continuing aggressive research and development activity and has several additional patents in place.

FAA Filters management team brings decades of filtration manufacturing experience including R&D, operational and continuous improvements, quality and safety, and additional experiences in lean manufacturing.

RESEARCH and DEVELOPMENT

We are committed to innovative thinking to give customers a competitive edge in the marketplace. We realize the key to our success is having a research and development team that can work with customers to develop new filters exclusively designed for their application as well as re-engineer existing products. FAA Filters has the ability to provide you with fluid



contaminant testing and particle profiling, air filter testing for pressure drop, dirt holding and particle efficiency, Frazier testing, bubble point testing and microscopic analysis.

ENGINEERING

We have the design and engineering ingenuity to meet virtually any industrial filtration need. Our modern solid modeling CAD design engineering system ensures a quick turnaround of proposals for design and formal order documents.

PRESSURE VESSELS

FAA Filters has the ability to supply pressure vessels for air, gases and liquids to globally recognized standards including:

ASME SEC VII DIV I

United States

CODAP/SDM

France

BS550

United Kingdom

AD2000

Germany

CRN

Canada

PED (97/23/EC)

United Kingdom & European Economic Areas

FAAF005 0623