

# AFP SERIES PANEL STYLE AIR INTAKE FILTERS

- FLOWS TO 40,000 CFM
- DUST EFFICIENCY TO 99.98 @ 2 MICRONS
- ADSORPTION CAPACITIES TO 500 LBS

The **AFP SERIES** panel type housings are designed for removal of airborne particulate for centrifugal compressors, blowers, turbines and other smooth flow machines. These one, two and three stage filter series' incorporate a panel style element with efficiencies up to 99.98% of 0.3 microns. Standard air intake filters have capacities up to 40,000 CFM with outlet sizes up to 42" diameter. Higher capacities and large inlet connections are available. **AFPC** models provide the same protection as standard **AFP** models with the added benefit of adsorbing up to 500 pounds of corrosive, irritating, and odorous gas vapors. All models are furnished with rugged weather hoods. Standard housings are carbon steel and are furnished with rust preventative primer coating beneath all weather paint.

## • STANDARD FEATURES

- Rugged Carbon Steel Construction
- Perforated Acoustic Silencer
- High Dust Holding Capacity
- Collapse Pressure to 30" W.C.
- High Efficiency Final Stage
- Captive Hardware
- Low Pressure Drop
- Hinged Weatherhood
- Durable Enamel Finish



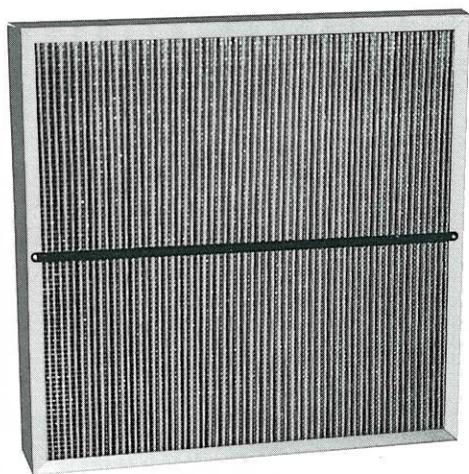
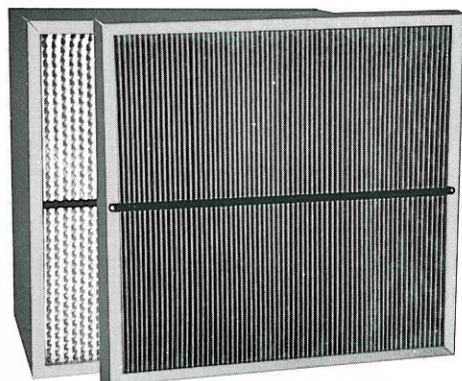
## • APPLICATIONS

- Ideal For Centrifugal Compressors, Fans and Blowers
- Suited To Rugged Industrial Applications
- Meets Requirements Of Gas Turbine Standards
- For Use Where High Efficiency Levels Are Required
- For Use As An Inlet Silencer
- For Indoor Or Outdoor Installation
- Suited To Original Equipment Applications
- For Removal Of Corrosive Vapors Which May Cause Equipment Damage
- For Removal Of Irritating And/Or Odor Causing Gases

## • OPTIONAL FEATURES

- 304 And 316 Stainless Construction
- Angle Flange Outlet
- Plain End Outlet
- Special Finishes
- Top Or Side Outlet
- Trash Screens
- Custom Designs
- Support Legs
- Higher Efficiencies Available



**12005****Single Stage Element Series****11293****12164****Two Stage Element Series****AFP Single Stage Series**

Designed for efficient economical removal of fine airborne particulates and as an inlet filter/silencer. Ideal for protecting engines, and blowers, and reducing inlet noise. Single stage element no. 12005 is a cleanable element containing 42 square feet of synthetic felt sandwiched between two layers of wire mesh and corrugated to provide high dust holding capacity. Element frame is a rugged galvanized steel with metal grids on the upstream and downstream sides. A metal strap is provided for ease of removal. Nominal efficiency is 98% @ 10 microns.

**AFP Two Stage Series**

Designed for efficient economical removal of ultra-fine airborne particulates and as an inlet filter/silencer. Ideal for protecting centrifugal compressors and turbines, and reducing inlet noise. Primary stage element no. 11293 is a cleanable element containing 29 square feet of synthetic felt sandwiched between two layers of wire mesh and corrugated to provide high dust holding capacity. Element frame is a rugged galvanized steel with a metal blowout grid on the downstream side. A metal strap is provided for ease of removal. Nominal efficiency is 98% @ 10 microns. Second stage element no. 12164 is a disposable element containing 135 square feet of waterproof microglass media pleated around heavy duty aluminum spacers. Optimum area provides lowest clean pressure drop. Media is potted to frame to provide additional strength as well as positive sealing. Neoprene sponge gasketing is provided on both up and downstream face. Element frame is a rugged galvanized steel with a metal strap for ease of removal. Unique anti-racking design provides extra strength. Continuous latch bracket allows for ease of clamping. Nominal efficiency is 99.98% @ 2 microns.

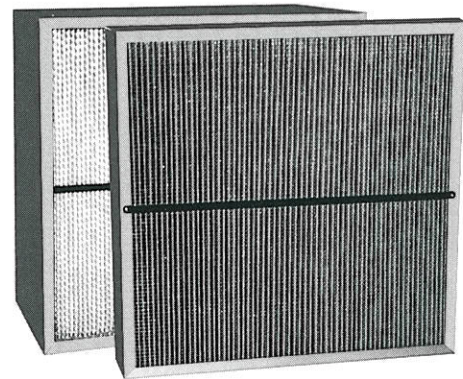


## AFPA Two Stage Series

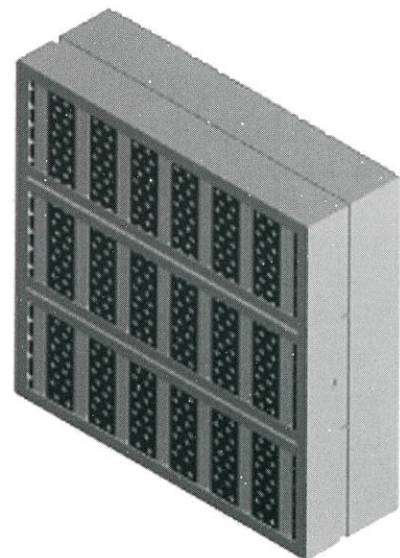
The AFPA series reduces maintenance time and costly equipment repair by efficiently removing damaging sub-micronic airborne particulates. Ideal for protecting centrifugal compressors and turbines in harsh, corrosive atmospheres, while reducing inlet noise. Primary stage element no. 12099 is a cleanable element containing 39 square feet of synthetic felt sandwiched between two layers of wire mesh and corrugated to provide high dust holding capacity. Element frame is a rugged galvanized steel with metal grids on the up and downstream sides. A metal strap is provided for ease of removal. Nominal efficiency is 98% @ 4 microns. Second stage element no. 12166 is a disposable element containing 230 square feet of waterproof microglass media pleated around heavy duty aluminum spacers. Optimum area provides lowest clean pressure drop. Media is potted to frame to provide additional strength as well as positive sealing. Neoprene sponge gasketing is provided on both up and downstream face. Element frame is a rugged galvanized steel with a metal strap for ease of removal. Unique anti-racking design provides extra strength. Continuous latch bracket allows for ease of clamping. Nominal efficiency is 99.98% @ 0.3 microns.

## AFPC Three Stage Series

The AFPC Series is designed to chemically adsorb corrosive or odorous gas vapors that are too small for conventional air filters to capture. Ideal of protecting centrifugal compressors and turbines in harsh, corrosive atmospheres, while reducing inlet noise. The primary stage element no. P250 is a refillable element containing 100 pounds of activated carbon pellets in three removable trays. The all stainless steel construction stands up to extreme environments and repeated refills. Second and third stage elements are the same high efficiency filters used in the AFP or AFPA series, depending on desired efficiencies.



**12099    12166**  
**Two Stage Absolute**  
**Element Series**



**P250**  
**Three Stage Carbon**  
**Element Series**