

*"Don't exhaust polluted air, refurbish it"
with NEW collection systems from
A.E.R. Refurbished Systems*



*FP Series Collectors
by
A.E.R. Refurbished Systems*

FP Series

Contaminants:

Primary:

Mist, Dust, Mist & Dust, can be configured for wet, moist, sticky or dry contaminants

Other:

Smoke, Fume and Gas/Vapor in individual or combined forms

Capture Approach: Source Capture

Unit Mounting: Vertical, ceiling hung, floor stand or machine mounted

Applications:

Machining, turning, grinding, boring, milling, forming, casting, mixing, molding, pouring, bonding, light welding and a variety of other manufacturing and process applications.

General Design, F Series Collectors:

Designed for flexibility the F Series line of Filter Media collectors provide cost effective and efficient control of an immense variety of contaminants such as mist, dust, fume, smoke and gas/vapor as individual or more complex combined forms. The most adaptable system we offer, systems feature modular designed filter stages that are easily customizable and are available with belt drive or, direct drive, backward inclined fan packages. Available in vertical (FV) or horizontal (FH) and a vertical compact caged "plug fan" (FP) mounting arrangements the F Series systems offer numerous mounting options (ceiling hung, machine, wall or floor mounted, on movable base and as portable units to name a few). A full line of accessories and options are available to easily customize and simplify unit design, application and installation. Using modular system design 36,000 CFM configurations and larger are available.

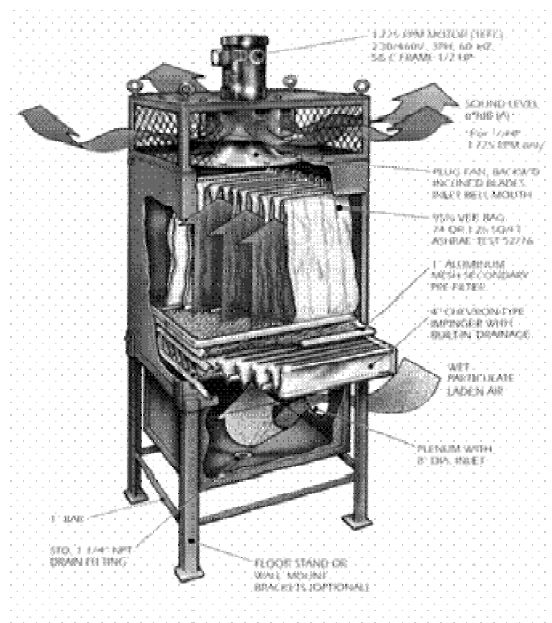
FP Series Collectors

A.E.R. Refurbished Systems FP Series Filter Media Collection systems were developed as an OEM mist collection system suitable for continuous duty operations. FPW models are designed to provide efficient, cost effective control of mist and mist with dust (swarf or metal fines) while the FPD models are for light dust, dust and fume (dry, sticky or wet) in a semi-compact package and are suitable fore a variety of manufacturing and process applications. FP units feature a small, simple, blower package consisting of a motor and caged, direct drive, backward inclined "plug fan" with 4-way exhaust. Two standard fan options are available the -01 package features a quiet, ½ HP blower package suitable for low pressure applications (short, large diameter duct runs or direct machine/enclosure/hood mounting), while the -02 package features a 1 HP blower package suitable for higher pressure applications typical in most installations. A variety of mounting options are available for this adaptable, semi-compact collection system and a full line of accessories and options are available to simplify the installation. As with our other Filter Media Collection Systems, the FP Series modular design provides the ultimate in unit filtration flexibility or adaptability enabling them to be easily customized to meet the exact filtration requirements of the application.

Technical Product Data Sheet



Custom FPW-30-02 unit with 1 HP motor for major OEM
(inlet plenum and floor stand not shown).



Features and Benefits

Compact Design

Provides a high capacity filtration system in a small amount of space.

Vertical Mounting

Vertical mounting improves filter drainage and helps wash or drop solids out of the filters improving filter life and unit performance.

Plenum, Drop-Out Design

Large inlet plenum / drop out distributes inlet air allowing more contaminants to fall out of the air stream and into the plenum reducing loading and maintenance on the filters and allow for a variety of single or multiple inlet collar mounting locations. The inlet plenum on FPW units include a large, leak resistant drain fitting and hose kit (optional drain bottle or can be hard piped).

Multiple Access Doors

Multiple hinged access doors with ergonomic, easy to use compression latches provide quick, easy access to filters or components. Hinged doors prevent damage or injury from tripping over or falling removable panels and are easily removed if required.

Flexible Design

Optimum flexibility is provided by the adaptable, filter track arrangement that allows for a variety of standard or custom filter configurations now or later in the field if processes and contaminants generated change.

Two Standard Filter Configurations

FPW models are designed for control of mist and mist with dust (swarf or metal fines) while the FPD models are for light dust, dust and fume (dry, sticky or wet). Custom filter arrangements available.

Two Standard Blower Packages

-01 models are quiet and are suited for application with low external pressure requirements (direct machine or enclosure mounting or short, large diameter duct runs). -02 models are suited to most typical industrial ducted applications.

Direct Drive blowers

Standard direct drive blowers (plug fans) utilize, backward included fans and mating inlet cones and are designed to provide efficient, quiet, fan performance while meeting the specific systems airflow and pressure requirements. Custom blower packages designed to meet special, airflow, pressure or location requirements are available upon request.

Magnehelic Gage

Standard units include a Magnehelic gage with a range of 0 to 5" W.G. for monitoring filter life and determining when filter replacement or cleaning is required.

Industrial Grade Filters

Standard units are equipped with industrial grade, high loft, 95% rated final filter, other filters and filter combinations are available.

Model / Unit	Filter Area	Motor	Weight (lbs.)	Sound	Approximate Dim.
FPW / FPD-20-01	28 / 70 square feet	½ HP	113	67 dbA @ 3'	18" x 25" x 41"
FPW / FPD-20-02	28 / 70 square feet	1 HP	113	72 dbA @ 3'	18" x 25" x 41"
FPW / FPD-30-01	28 / 70 square feet	½ HP	119	75 dbA @ 3'	18" x 25" x 41"
FPW / FPD-30-02	28 / 70 square feet	1 HP	177	73 dbA @ 3'	18" x 25" x 57"

Additional Options:

- ❖ HEPA Module rated at 99.97% efficiency at 0.3 microns
- ❖ Refillable gas/vapor modules (carbon, permanganate & CPZ)
- ❖ Additional prefilter modules for wet, sticky or dry contaminants
- ❖ Floor mounting stands
- ❖ Single phase, 575 Volt and other special motors available
- ❖ Custom units, special filter configurations & OEM units available

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"We sell the best and service the rest"