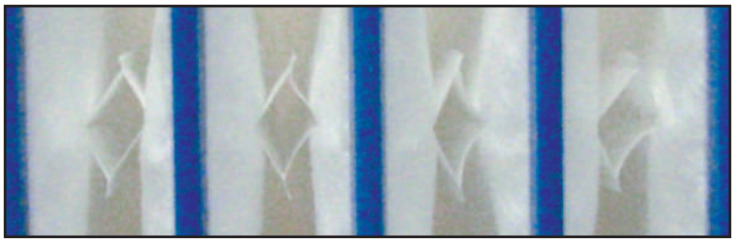
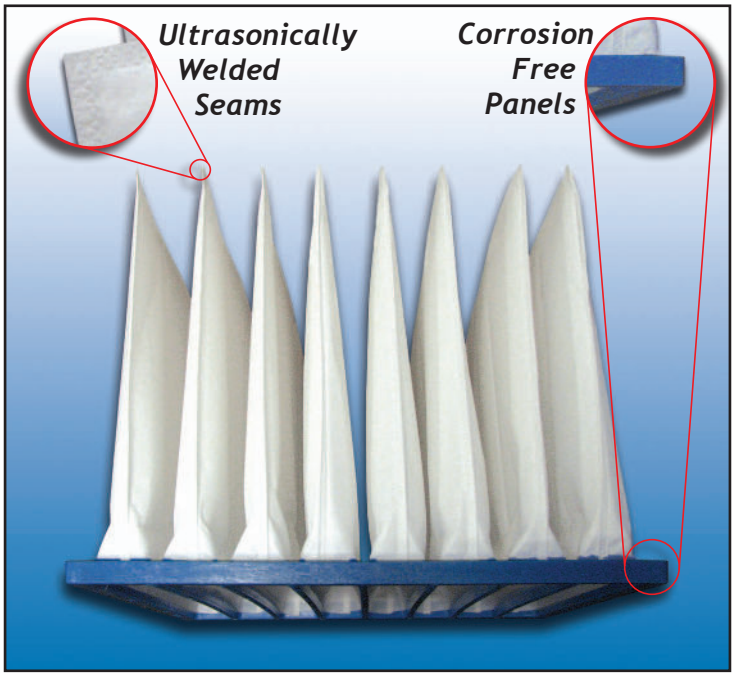
# ENGINEERED FILTRATION SYSTEMS

# F6 RIGID POCKET FILTER

*The EFS F6 Rigid Pocket Filters*



*Spacers Stabilize Pocket Shape*




## Rigid Construction

- The EFS F6 Rigid Pocket Filter is constructed to withstand extreme humidity, high velocities and turbulence and is excellent for all types of air handling systems.
- Self-supported filter pockets stay rigid in the air stream.
- The filter element is free of metal parts, eliminating the risk of corrosion and punctures.
- Polyurethane header ensures a leak-proof bonding of pockets to header.

## Synthetic Media

- Synthetic media rated at ASHRAE 65% (MERV 11)
- Non-shedding fibers are specially designed to resist moisture and chemicals.
- Resists all types of bacterial growth.

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## Unique Design

- The EFS F6 Rigid Pocket Filter is light-weight and easy to handle which provides for low-cost transport and disposal.
- Progressively structured design provides exceptionally low pressure drop at high efficiency levels.
- Spacers channel the air entering the pocket resulting in lower pressure drop and reduced energy costs.

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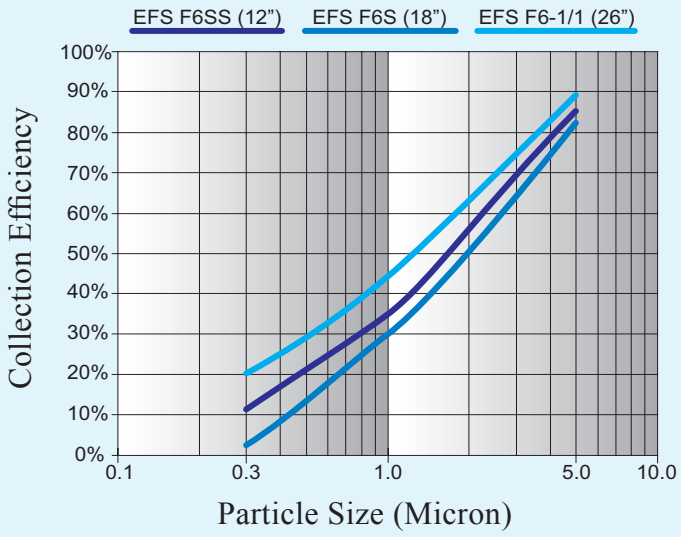
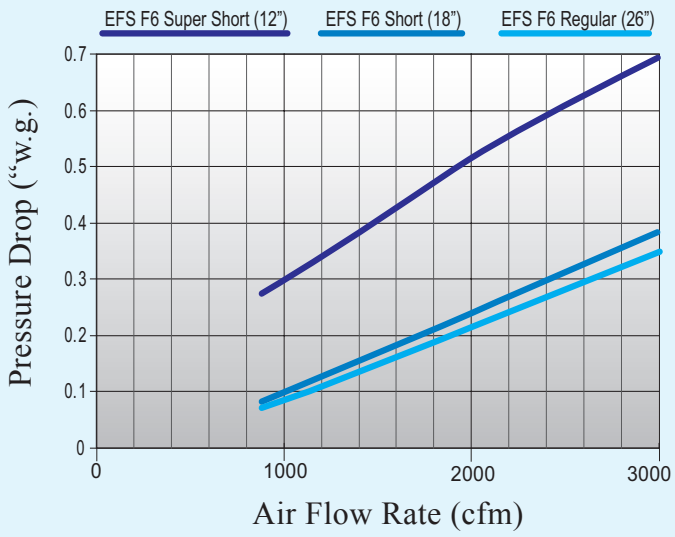
## PARTICLE SIZE EFFICIENCY




## RESISTANCE CURVE




## TESTED PARAMETERS

| | |
|---|---|
| **ASHRAE 52.2 RATING @ 2000 cfm** | MERV 11 |
| **ASHRAE 52.1 DUST SPOT EFFICIENCY** | 64% |
| **DUST HOLDING CAPACITY @ 1.5" w.g.** | 3,400 gms |
| **DUST HOLDING CAPACITY @ 4.0" w.g.** | 5,074 gms |
| **BURST STRENGTH** | 25" w.g. |

## APPLICATION PARAMETERS

| | |
|---|---|
| **MAXIMUM TEMPERATURE** | 150 F |
| **FLAMMABILITY** | UL 900 Class 2 |
| **CALIFORNIA STATE FIRE MARSHAL** | Rated |
| **MEDIA** | Synthetic |
| **RELATIVE HUMIDITY** | 100% |
| **RECOMMENDED FINAL PRESSURE DROP** | 1.5" w.g. |

## DIMENSIONS and PERFORMANCE DATA

| 65% PART NUMBER | SIZE H x W x D (inches) | NUMBER OF POCKETS | MEDIA AREA (sq. ft.) |
|---|---|---|---|
| EFS-F6SS | 24" x 24" x 12" | 8 | 30 |
| EFS-F6S | 24" x 24" x 18" | 8 | 48 |
| EFS-F6-1/1 | 24" x 24" x 26" | 8 | 63 |
| EFS-F6SS-1/2 | 12" x 24" x 12" | 4 | 18 |

## TECHNICAL DATA

| FILTER DEPTH (inches) | AIR FLOW (cfm) | INITIAL PRESSURE DROP ("w.g.) | COMPARABLE ATMOSPHERIC EFFICIENCY (ASHRAE 52.1) @ 2000 cfm |
|---|---|---|---|
| 12 | 2000 | 0.52 | 60% - 65% |
| 18 | 2000 | 0.23 | 60% - 65% |
| 26 | 2000 | 0.22 | 60% - 65% |
| 12 | 1000 | 0.22 | 60% - 65% |

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# Reverse Rigid Pocket Filter

## Description

The EFS Reverse Rigid Pocket Filter (RRPF) is constructed to withstand extreme humidity, high velocities and turbulence and is excellent for use in areas where space is at a premium.

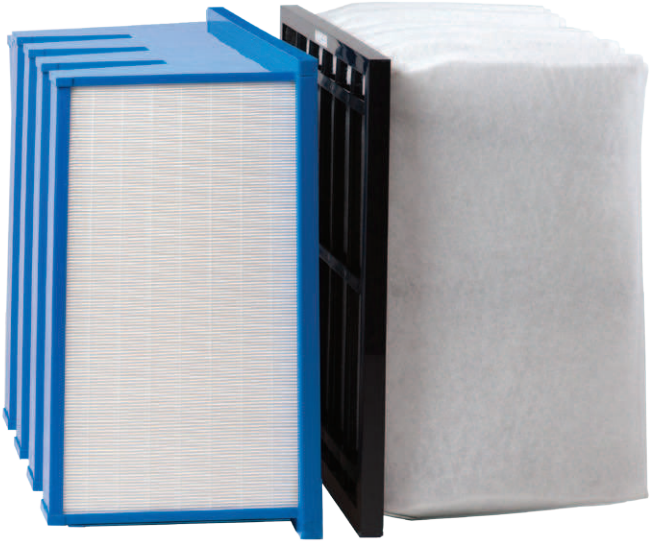
Designed for use with final filters where space is limited, the EFS RRPF increases filter efficiency, and greatly lenthens the life of the final filter when used in lieu of standard pleats.

Engineered for double use the EFS Reverse Rigid Pocket Filter works as both a moisture coalescer and particulate filter.

Polyurethane header ensures a leak-proof bonding of pockets to header.

Coalesces moisture upstream of the final/static filter.

Plastic separators stabalize the pockets when in the reverse air flow position.



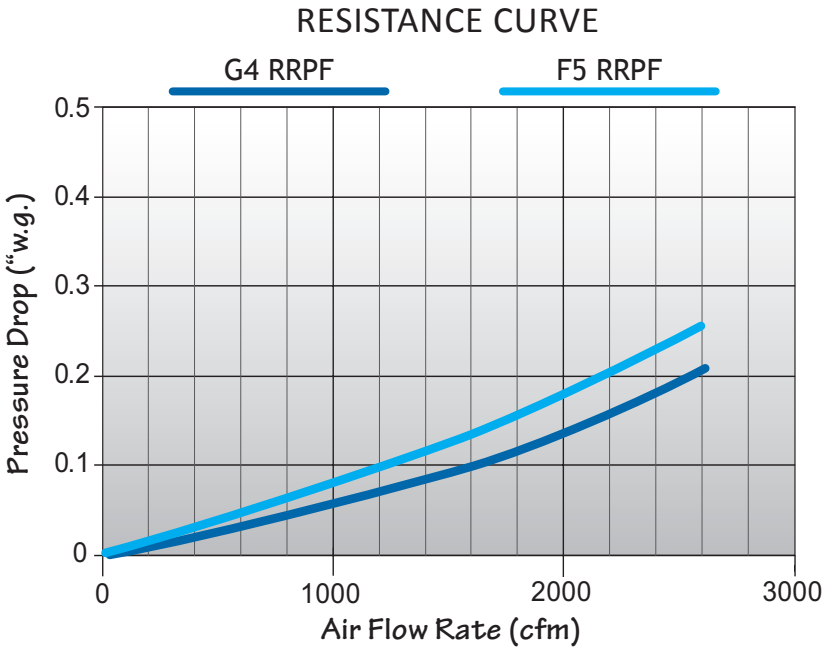
*Reverse Rigid Pocket Filter with V4-Bank Filter*

The filter element is free of metal parts,eliminating the risk of corrosion and punctures.
Available in G4 and F5 efficiencies.

The EFS RRPF is comprised of progressively structured media for high dust holding capacity and long filter life.

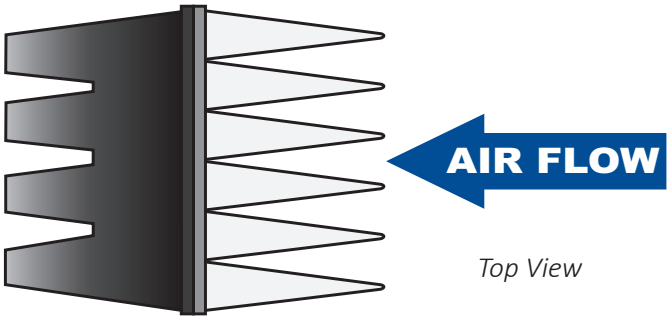
100% synthetic media manages particulates resulting in lower pressure drop over time.

# Reverse Rigid Pocket Filter

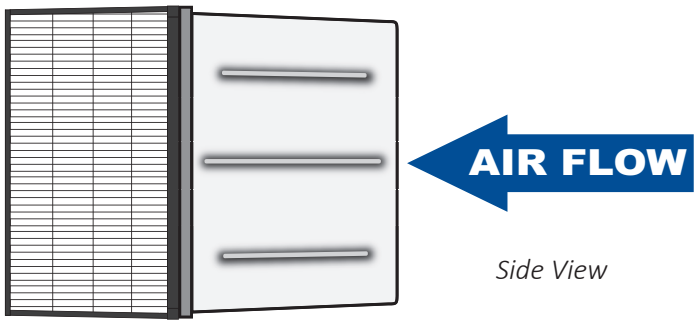



## Performance Data & Tested Parameters

| Performance | Unit of Measure | G4SS-RP | F5SS-RP |
|---|---|---|---|
| Rated Air Flow | cfm | 2000 | 2000 |
| Initial Resistance | "w.g. | .15 | .16 |
| ASHRAE 52.2 Rating @ 2000 cfm | MERV | 7 | 8 |




*Top View*




*Side View*

## Dimensions Data

| Part Number | Size | Number of Pockets | Media Area (sq. ft.) |
|---|---|---|---|
| F-G4SS2424-RP-W | 24" x 24" x 13" | 6 | 24 |
| F-F5SS2424-RP-W | 24" x 24" x 13" | 6 | 24 |