FG™
Indoor Air Quality



## PRODUCT OVERVIEW

- MERV 11, 13, 14, 15 in both fiberglass and synthetic media
- Wet-laid micro-fiberglass or gradient density synthetic medias available
- Side gasketing available
- Max Temperature - 150˚F
- Ideal for use in:
  - Desert/Marine Installations
  - Commercial/Industrial
  - Health Care/Government Facilities
  - Schools/Universities
  - Airports

# AEROSTAR® TITAN FP and TITAN FP-S

## WHY THE TITAN FP or TITAN FP-S?

- State-of-the-art design and filtration
  - Rigid filter with high impact plastic frame, steel struts & nearly complete media utilization
  - Lightweight design with patented built-in handle
  - Provides maximum air flow conditions
  - Maximum flow rate of 625 fpm
  - Aerodynamic construction minimizes or eliminates need for pre-filtration
- Superior filtration in normal to hostile environments
  - Excels in environments with 100% humidity
  - Performance unimpeded when intermittently exposed to water
  - Performs exceptionally in turbulent air flow or repeated fan shut downs
  - Designed for use in constant and variable air volume (VAV) systems
  - Ideal for desert & marine applications

# AEROSTAR® TITAN FP and TITAN FP-S

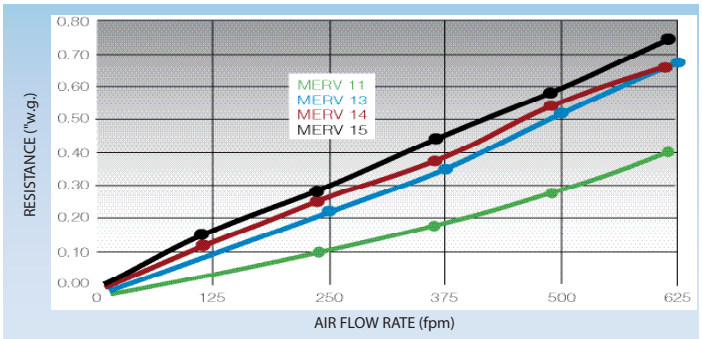
## TITAN FP – PERFORMANCE DATA (24 x 24 x 12)

| MEDIA | MERV | INITIAL RESISTANCE ("w.g.) | | | FINAL RESISTANCE ("w.g.) |
|---|---|---|---|---|---|
| | | 375 fpm | 500 fpm | 625 fpm | |
| Fiberglass | 11 | 0.18 | 0.28 | 0.40 | 1.5 |
| | 13 | 0.35 | 0.51 | 0.68 | 1.5 |
| | 14 | 0.37 | 0.52 | 0.67 | 1.5 |
| | 15 | 0.44 | 0.59 | 0.75 | 1.5 |

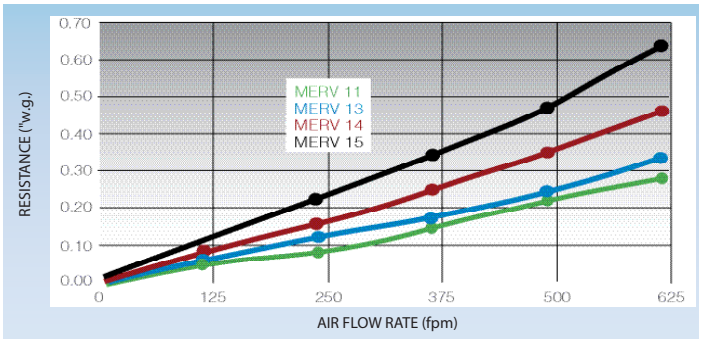
## TITAN FP-S – PERFORMANCE DATA (24 x 24 x 12)

| MEDIA | MERV | INITIAL RESISTANCE ("w.g.) | | | FINAL RESISTANCE ("w.g.) |
|---|---|---|---|---|---|
| | | 375 fpm | 500 fpm | 625 fpm | |
| Synthetic | 11 | 0.14 | 0.21 | 0.29 | 1.5 |
| | 13 | 0.17 | 0.24 | 0.33 | 1.5 |
| | 14 | 0.25 | 0.35 | 0.46 | 1.5 |
| | 15 | 0.34 | 0.48 | 0.64 | 1.5 |

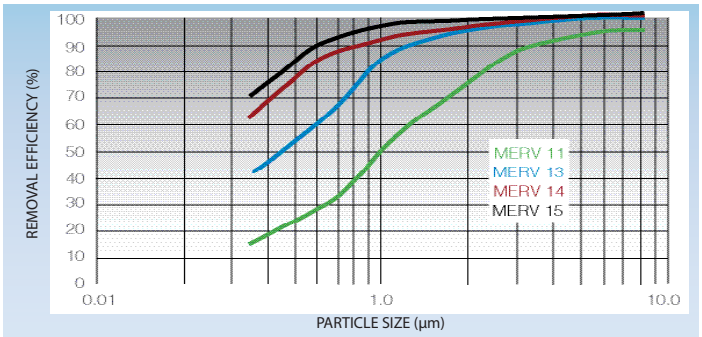
## TITAN FP – INITIAL RESISTANCE (24 x 24 x 12)



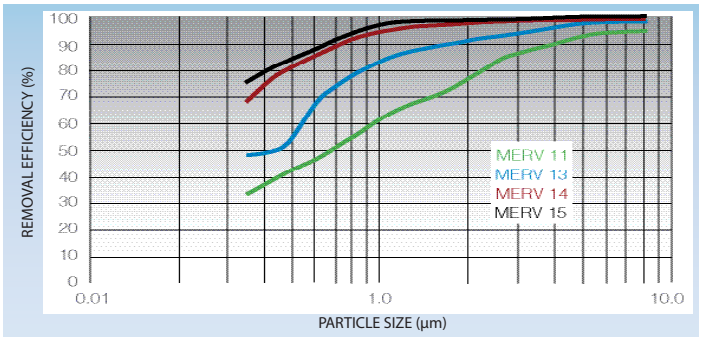

## TITAN FP-S – INITIAL RESISTANCE (24 x 24 x 12)




## TITAN FP – MINIMUM REMOVAL EFFICIENCY (24 x 24 x 12)




## TITAN FP-S – MINIMUM REMOVAL EFFICIENCY (24 x 24 x 12)




## PRODUCT DATA

| TITAN FP (FIBERGLASS MEDIA) – PART NUMBER | | | | NOMINAL SIZE (H" x W" x D") | ACTUAL SIZE (H" x W" x D") | APPROX. WEIGHT (LBS.) | MEDIA AREA (SQ. FT.) |
|---|---|---|---|---|---|---|---|
| MERV 11 | MERV 13 | MERV 14 | MERV 15 | | | | |
| 41252 | 41256 | 41265 | 41260 | 12 x 24 x 12 | 11 3/8 x 23 3/8 x 10 3/4 | 5.5 | 45 |
| 41514 | 41515 | 41516 | 761965 | 20 x 24 x 12 | 19 3/8 x 23 3/8 x 10 3/4 | 7.5 | 81 |
| 41254 | 41258 | 41263 | 41262 | 24 x 24 x 12 | 23 3/8 x 23 3/8 x 10 3/4 | 9 | 97 |

| TITAN FP-S (SYNTHETIC MEDIA) – PART NUMBER | | | | NOMINAL SIZE (H" x W" x D") | ACTUAL SIZE (H" x W" x D") | APPROX. WEIGHT (LBS.) | MEDIA AREA (SQ. FT.) |
|---|---|---|---|---|---|---|---|
| MERV 11 | MERV 13 | MERV 14 | MERV 15 | | | | |
| 4611122412 | 4613122412 | 4614122412 | 4615122412 | 12 x 24 x 12 | 11 3/8 x 23 3/8 x 10 3/4 | 4.7 | 35 |
| 4611202412 | 4613202412 | 4614202412 | 4615202412 | 20 x 24 x 12 | 19 3/8 x 23 3/8 x 10 3/4 | 6.6 | 63 |
| 4611242412 | 4613242412 | 4614242412 | 4615242412 | 24 x 24 x 12 | 23 3/8 x 23 3/8 x 10 3/4 | 8.2 | 77 |

## ENGINEERING SPECIFICATIONS

1.0 General

1.1 Filters shall be Aerostar® Titan FP filters as manufactured by Filtration Group.
1.2 Filters shall be available in depths of 12" only.
1.3 Underwriters Laboratories classified to UL 900.
1.4 Filters are manufactured by an ISO 9001 registered company.

2.0 Filter Materials of Construction

2.1 Media shall be wet-laid micro-fiberglass or gradient density synthetic media with hot melt separators to maintain pleat uniformity and spacing.
2.2 Frame shall be a high impact plastic with built-in header on top and bottom and galvanized steel supports on front and back.
2.3 Media shall be adhered and sealed to frame using a rigid polyurethane.
2.4 Filter frames shall have preformed locations for both prefilter clips and final filter clips to be attached.
2.5 Filter frames shall have preformed handles on the air leaving side to aid in installation and to reduce the chances of media damage due to handling.

3.0 Filter Performance

3.1 Filters shall be available as MERV 11, 13, 14 or 15 when tested in accordance with ASHRAE 52.2 Test Standard.
3.2 For initial resistance of filters, see Performance Data chart above.
3.3 Filter shall be rated to withstand a continuous operating temperature up to 150°F
3.4 Filters shall have a recommended final resistance of 1.5" w.g.

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