



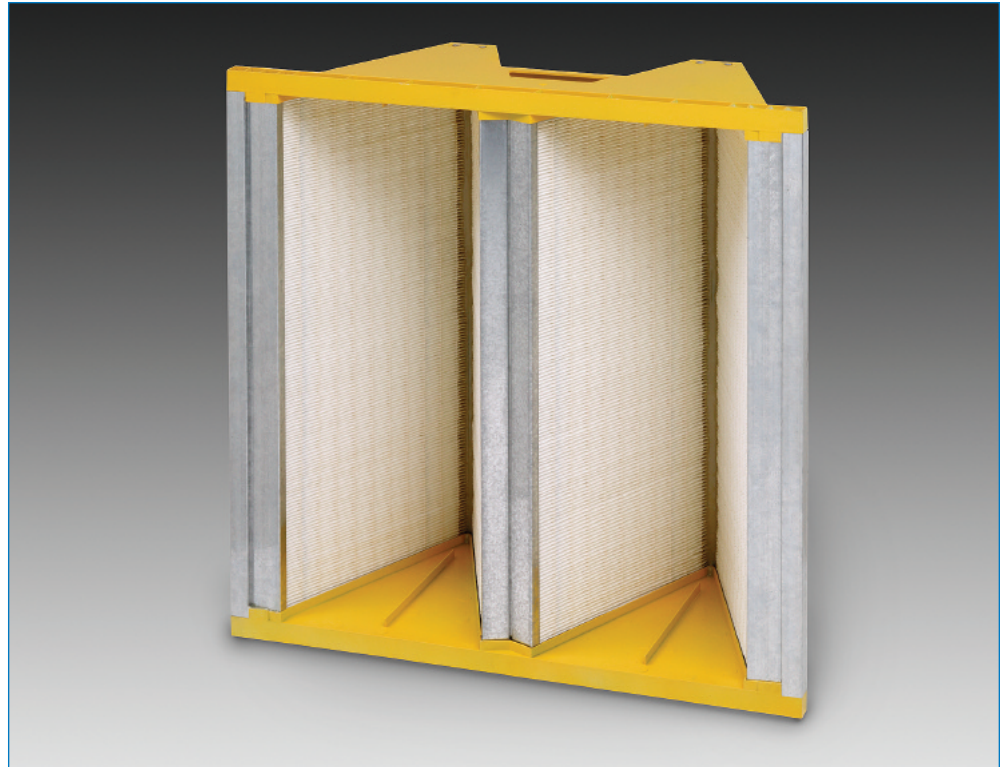
**FILTRATION GROUP®**



*titan***FP**

- *State-of-the-art rigid filtration*
- *Lightweight design*
- *High efficiency per ASHRAE 52.2-2007*
- *Designed for use in VAV and constant velocity systems*
- *Aerodynamic design*
- *Integral handle for ease of transportation*
- *Suitable for high humidity*

## TITAN FP FILTER



### DESCRIPTION

The Titan FP is constructed with the highest quality components available. The high impact plastic frame, steel struts and microglass media work together to form an extremely rigid filter suitable for normal to hostile environments. The Titan FP is designed to be used in variable air volume (VAV) systems and recommended for use in constant velocity systems as well.

### BENEFITS

The Titan FP's proven v-bank design provides maximum air flow conditions, while providing nearly complete media utilization. Dead spots due to aluminum separators and other restrictions are virtually eliminated. The aerodynamic construction minimizes, and in some cases eliminates, the need for prefiltration. The Titan FP is extremely light, reducing stress on the installer and promoting a safer work environment. The built-in-handle eases transporting the filters to the installation site.

### APPLICATIONS

The Titan FP is designed to handle nearly all types of conditions: 100% relative humidity, turbulent air flow, intermittent exposure to water, repeated fan shutdowns, desert and marine installations.

The Titan FP is engineered for hospitals, industrial, commercial and original equipment applications.

# TITAN FP FILTER



## DIMENSIONS DATA

PART NUMBER	PART NUMBER	PART NUMBER	SIZE	ACTUAL FILTER DIMENSIONS (H x W x D)	APPROX WEIGHT (POUNDS)	MEDIA AREA (SQ. FT.)
MERV 11 41254	MERV 13 41258	MERV 14 41262	24 x 24 x 12	23 3/8 x 23 3/8 x 10 3/4	9	96
41252	41256	41260	12 x 24 x 12	11 3/8 x 23 3/8 x 10 3/4	5.5	45

## APPLICATION PARAMETERS

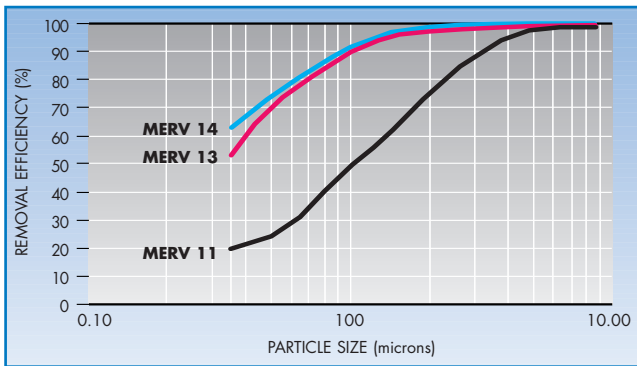
Maximum Constant Temperature: 150° F  
 Flammability: UL Classified  
 Media: Wet laid microglass  
 Relative Humidity: 100%  
 Recommended Final Pressure Drop: 1.5" w.g.

## PERFORMANCE DATA

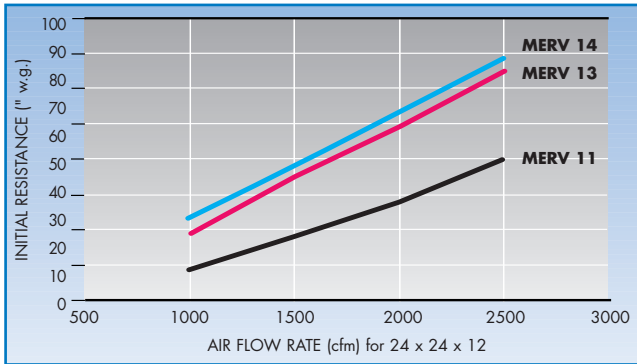
TITAN FP (24 x 24 x 12)	MERV 11			MERV 13			MERV 14			MERV 15		
Air Flow (cfm)	1500	<b>2000</b>	2500	1500	<b>2000</b>	2500	1500	<b>2000</b>	2500	1500	<b>2000</b>	2500
Initial Pressure Drop (" w.g.)	0.17	<b>0.27</b>	0.40	0.35	<b>0.49</b>	0.64	0.37	<b>0.52</b>	0.67	0.44	<b>0.59</b>	0.75

Reference ASHRAE 52.2-2007

## INITIAL RESISTANCE (ASHRAE STANDARD 52.2-2007)



## NOMINAL AIR FLOW



## TITAN FP ENGINEERING SPECIFICATIONS

### 1.0 General

- Filters shall be Aerostar Titan FP filters as manufactured by Filtration Group, Inc.
- Filters shall be available in depths of 12" only.
- Filters shall be UL Classified.
- Manufacturer shall provide documentation from an external certification body that the manufacturing location is ISO 9000 Registered.

### 2.0 Filter Material of Construction

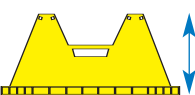
- Media shall be wetlaid micro-fiberglass with separators to maintain pleat uniformity and spacing.
- Frame shall be a high impact plastic with built in header on top and bottom and galvanized steel supports on front and back.
- Media shall be adhered and sealed to frame using a rigid polyurethane.

### 3.0 Filter Performance

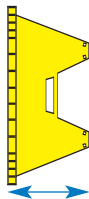
- Filters shall be available as MERV 11, 13, 14 or 15 as desired by end user when fully tested in accordance with ASHRAE 52.2-2007 Test Standard.
- Filter shall have a low initial pressure drop that shall not exceed 0.27" w.g. in MERV 11 at 500 fpm air flow; 0.49" w.g. in MERV 13 at 500 fpm air flow; 0.52" w.g. in MERV 14 at 500 fpm air flow; and 0.59" w.g. in MERV 15 at 500 fpm air flow.
- Filter shall be rated to withstand a continuous operating temperature up to 150°F.
- Filters shall have a recommended final resistance of 1.5" w.g.

## AIR FLOW VERSATILITY

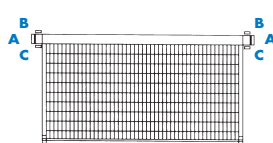
**HORIZONTAL**  
Air Flow Direction



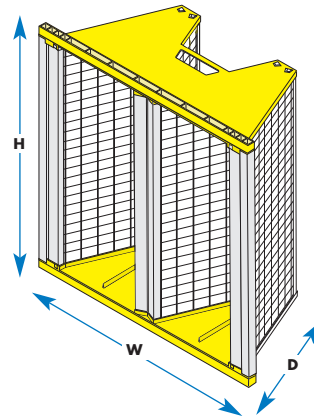
**VERTICAL**  
Air Flow Direction



**GASKETING OPTIONS**



**A = SIDE GASKET**  
**B = UPSTREAM GASKET**  
**C = DOWNSTREAM GASKET**



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