



*Better Air is Our Business®*

## **AmericanAirFilter®**

### **Side Access Flatbank Prefilter**

*Part of a Total Systems Approach to  
Improved Indoor Air Quality (IAQ)*

*The Side Access Flatbank filter housing is engineered for use with air handling units or other side access equipment. It offers the convenience of servicing the filter from outside the air duct and is especially suited for installations involving limited headroom.*

#### **The Flatbank Concept**

The Side Access Flatbank housing is a general purpose filter housing which provides mechanical strength, ease of use, and economy. The Flatbank housing is used when only prefilters are required.

#### **Housing Features**

##### **Access Doors**

Access doors are hinged and have over-center draw type plated latches. The doors seal against the housing using closed cell neoprene gasket. The standard Flatbank is furnished with one door. A second door is optional.

##### **Rugged Construction**

The Flatbank housing has exceptional structural strength. It utilizes 1" wide turned out flanges, welded construction, vertical supports, and angle braces.

The Flatbank housing is designed to operate at up to 6 in. w.g. negative or positive pressure. Optional high pressure construction is available for service up to 10" w.g. negative or positive pressure.

##### **Sizes**

The Flatbank housing is offered in 96 sizes, spanning heights from nominal 1' through 8', and widths from nominal 1' through 12'. Capacities range from 1,000 cfm at 500 fpm to 60,000 cfm at 625 fpm.

Larger sizes are available. The Flatbank housing is designed to expand using standard sizes as building blocks. For example a 16' wide unit can be built using two 8' wide modules or an 8' high unit using two 4' modules. Modules are factory pre-engineered for field installation.

##### **Housing Depths**

Two housing depths are offered: 8½" (holds 2", 4" or 6" prefilters), and 16½" (holds 12" prefilters).



#### **Steel Skin Insulation**

All Flatbank housings can be furnished with optional 1" fiberglass insulation. Enclosed in a double metal skin, the insulation is external to the airstream. This optional insulation covers both doors, and top and bottom pans.

#### **Standard**

- 96 Sizes
- 2 Depths (8½" and 16½")
- Rugged Doors
- Structurally Rated Up to 6" Positive Pressure
- 16-Gauge Galvanized Steel
- Welded Construction
- 1" Flanges
- 2", 4", 6" or 12" Prefilter Tracks
- Internal Bracing
- Compact Design
- Factory Assembled
- Easy to Install

#### **Options**

- Double Skin Insulation
- AHU Mating Flanges
- Weatherproof Construction
- High Pressure Construction
- Static Pressure Taps
- Installed Pressure Gauges

## Side Access Flatbank Prefilter

### Product Information

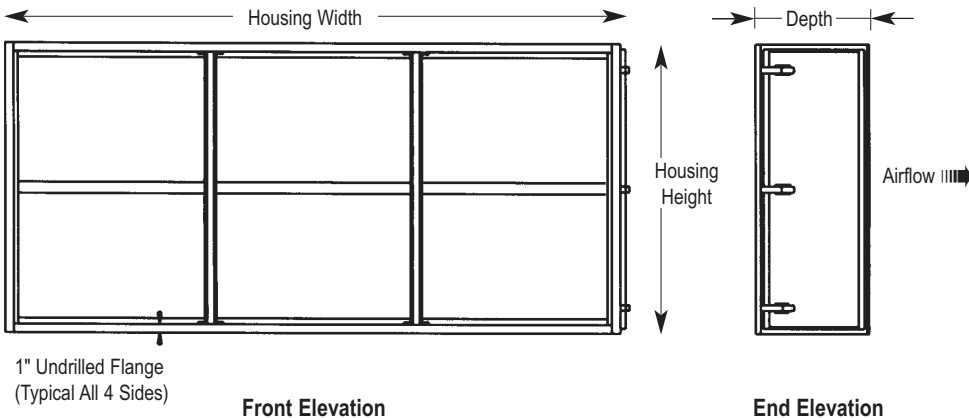
#### Size Code

(Height designation) x (width designation). For example, 2H x 3W is a 2 filter high by 3 filter wide housing (based on a 24x24 nominal filter.)

### Capacities (CFM) and Dimensions

Designation		1	2	3	4	5	6
Height ↓	Housing	25 <sup>3</sup> / <sub>4</sub> "	49 <sup>1</sup> / <sub>4</sub> "	72 <sup>7</sup> / <sub>8</sub> "	96 <sup>1</sup> / <sub>2</sub> "	120 <sup>1</sup> / <sub>8</sub> "	143 <sup>3</sup> / <sub>4</sub> "
	1 26"	2,000	4,000	6,000	8,000	10,000	12,000
	2 49 <sup>3</sup> / <sub>4</sub> "	4,000	8,000	12,000	16,000	20,000	24,000
	3 73 <sup>5</sup> / <sub>8</sub> "	6,000	12,000	18,000	24,000	30,000	36,000
4 97 <sup>1</sup> / <sub>2</sub> "	8,000	16,000	24,000	32,000	40,000	48,000	

Note: Capacities are based on an airflow velocity of 500 fpm. For capacities based on velocities of 625 fpm increase capacities by a factor of 1.25. **Half size filter housings are available.**



Prefilter Depth	Housing Depth
2"	8 <sup>1</sup> / <sub>2</sub> "
4"	8 <sup>1</sup> / <sub>2</sub> "
6"	8 <sup>1</sup> / <sub>2</sub> "
12"	16 <sup>1</sup> / <sub>2</sub> "