

Flat Bank ASHRAE Housing

Side Access Flat Bank Housing for ASHRAE Rated Filters



FEATURES

Available for single or multi-stage prefiltration

All tracks and doors are fully gasketed

Galvanized or stainless steel construction

Welded and caulked construction

Upstream corners gussets for rigidity

Quick access doors

Holding Frames and Fasteners are not required

Built for systems up to $\pm 3''$ W.G.

Flange for connecting to ductwork
or air handlers

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The Flat Bank air filter housing is designed to accommodate ASHRAE-rated air filters of different types and efficiencies. Flat Bank Housings are available in 8-1/2" deep single stage and 12" deep multi stage configurations. Single stage units can house either a 2" or 4" standard filter. The multi stage units can house 2 filter stages with standard filters of 2" and 4" depth.

Standard Flat Bank Housings are fabricated from galvanized steel, but can be ordered in stainless steel. The housings are intermittently welded and caulked to prevent air bypass. The unit features a one-piece construction with a gasketed U-channel extrusion to secure the filters, and upstream corner supports to increase the overall rigidity of the housing.

When used with 4" deep filters, the Flat Bank Housing can operate at face velocities up to 625 FPM. Flat Bank Housings are available in sizes ranging up to 8' high by 8' wide in nominal filter area. Quick opening access doors allow for the servicing of the filters.

Using the included flange, Flat Bank Housings can be installed in locations where space limitations exist. For example, in a duct or next to an air handling unit.

Flat Bank Housings can be made utilizing a large number of options, meaning housings can be customized to meet a variety of application-specific requirements.

Options

- Weather cover
- Double Wall Insulation
- Lifting lugs
- Flanges to connect to existing air handlers
- Stainless Steel Construction
- Static taps or magnehelic gages

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| | | | Width Code - Overall Unit Width | | | | | | | |
|-----------------------------------|----------------|------------------------------|---------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | 05W 14- 1/8" | 10W 26-1/8" | 15W 37-1/2" | 20W 49-1/2" | 25W 60-7/8" | 30W 72-7/8" | 35W 84-1/4" | 40W 96-1/4" |
| Height Code - Unit Overall Height | 05H 14-7/8" | Capacity (CFM) | 500 | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 |
| | | Face Area (ft ²) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | 10H 26-7/8" | Capacity (CFM) | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 7000 | 8000 |
| | | Face Area (ft ²) | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 |
| | 15H 39" | Capacity (CFM) | 1500 | 3000 | 4500 | 6000 | 7500 | 9000 | 10500 | 12000 |
| | | Face Area (ft ²) | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 |
| | 20H 51" | Capacity (CFM) | 2000 | 4000 | 6000 | 8000 | 10000 | 12000 | 14000 | 16000 |
| | | Face Area (ft ²) | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 |
| | 25H 63-1/8" | Capacity (CFM) | 2500 | 5000 | 7500 | 10000 | 12500 | 15000 | 17500 | 20000 |
| | | Face Area (ft ²) | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 |
| | 30H 75-1/8" | Capacity (CFM) | 3000 | 6000 | 9000 | 12000 | 15000 | 18000 | 21000 | 24000 |
| | | Face Area (ft ²) | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 |
| | 35H 87-1/4" | Capacity (CFM) | 3500 | 7000 | 10500 | 14000 | 17500 | 21000 | 24500 | 28000 |
| | | Face Area (ft ²) | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 |
| | 40H 99-1/4" | Capacity (CFM) | 4000 | 8000 | 12000 | 16000 | 20000 | 24000 | 28000 | 32000 |
| | | Face Area (ft ²) | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 |