abi air balance
TECHNICAL DATA

FILTERED VENTILATORS
TECHNICAL & SUBMITTAL DATA

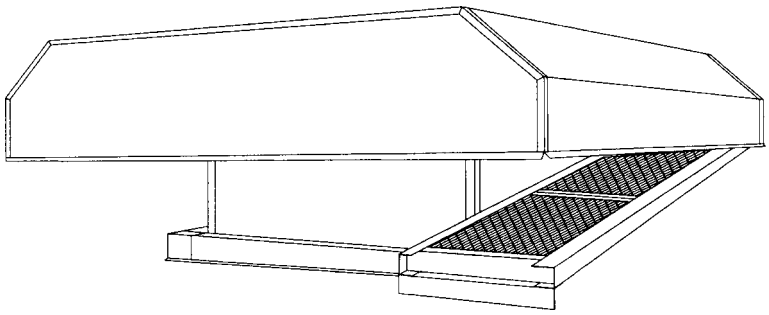
STANDARD CONSTRUCTION

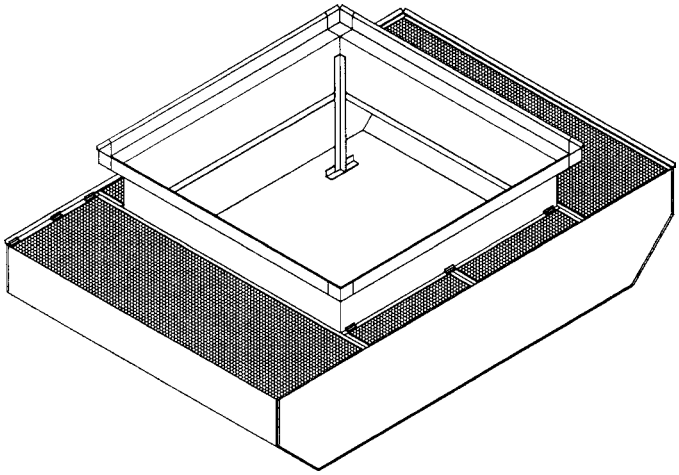
Option available for models IAV and IHS in a free area ratio of 200% (2:1) only.

For material, sizing and ventilator performance information, see selected model submittal. For filter resistance, see reverse side.

ASSEMBLY

- Hood is mechanically fastened to throat for ease of removal.
- Filter racks are mechanically fastened to the bottom perimeter opening of the hood and hinged with drop down access for ease in filter replacement.
- Standard screen is omitted to eliminate interference with filter performance, but can be specified as an option.





RACK SIZES

1 or 2”

- Racks are available in either 1” or 2” depth to accommodate filters 1” deep or 2” deep accordingly.

FILTER TYPES

DISPOSABLE

- For commercial and industrial applications, this filter is constructed of continuous filament glass fibers, bonded together with a rugged fiberboard and secured with metal grilles on both sides (see reverse side for performance).

WASHABLE

- Applicable for commercial and industrial applications, these long lasting filters maintain their initial efficiency with periodic care. Media is constructed of staggered multi-layered slit aluminum sheets forming thousands of highly effective holding baffles. The all aluminum frame assures extra rigidity and durability.

Qty.	‘A’	‘B’	Rack Size	Filter Type	Options / Accessories	Tag

PROJECT: _____

LOCATION: _____

ARCHITECT: _____

ENGINEER: _____

CONTRACTOR: _____

PO NUMBER: _____

DATE: _____

abi air balance
A Mestek Company
AMCA MEMBER

7435 Industrial Rd. • Florence, KY 41042
Phone: 419-865-5000 • Fax: 419-865-1374
www.air-balance.com

FILTER AVERAGE ARRESTANCE

DISPOSABLE

Velocity	1" Deep	2" Deep
300 fpm	72%	82%

WASHABLE

Velocity	1" Deep	2" Deep
520 fpm	59%	68%

FILTER RESISTANCE (inches H_2O)

DISPOSABLE

Velocity	1" Deep	2" Deep
300 fpm	0.040	0.080

MAXIMUM RECOMMENDED VELOCITY

300 FPM

WASHABLE

Velocity	1" Deep	2" Deep
150 fpm	0.015	0.015
200 fpm	0.020	0.026
250 fpm	0.027	0.037
300 fpm	0.035	0.051
350 fpm	0.043	0.070
400 fpm	0.054	0.089
450 fpm	0.065	0.110
520 fpm	0.088	0.140
600 fpm	0.114	0.180
650 fpm	0.130	0.200

MAXIMUM RECOMMENDED VELOCITY

650 FPM