



## HIGHLIGHTS

- Low pressure drop
- Class-leading wet laid microglass media
- Rigid construction for variable air volume systems
- Box style, single header, and double header design
- MERV 11, 13, and 14
- 24 gauge galvanized frame
- UL Classified

**APPLICATION** The Smith ASHRAE Filter provides high-efficiency filtration where a clean air environment is a necessity. This includes Hospitals, Laboratories, Office Buildings, Food and Beverage Processing Plants, etc. Filter performance is not significantly affected by changing air velocity or repeated fan shut down, making it the ideal filter choice for variable volume systems.

**CONSTRUCTION** The filter media used in the Smith ASHRAE consists of class-leading wet laid microglass media in a pleated design. A corrugated aluminum separator is placed between each pleat of media to prevent the pleats from touching. This allows the free flow of air into and through the filter. The separators also add rigidity to the construction. The front and rear edges of the separators are rolled over to eliminate sharp edges that could damage the media during shipping. The media pack is installed into a heavy 24 gauge galvanized steel frame. A sealant is then applied to provide a positive seal between the media and frame.



# ASHRAE

## HIGH EFFICIENCY FILTER

### PERFORMANCE DATA

NOMINAL SIZE W x H x D (INCHES)	ACTUAL SIZE	EFFICIENCY	RATED AIR FLOW CAPACITY (CFM)	RATED FILTER FACE VELOCITY (FPM)	RATED INITIAL RESISTANCE (W.G)	MEDIA AREA (SQ. FT.)	WEIGHT EACH (LBS)
<b>6" DEPTH (NO HEADER)</b>							
24 x 24 x 6	23 3/8 x 23 3/8 x 5 7/8	90-95%	1000	250	0.40	50	19.5
12 x 24 x 6	11 3/8 x 23 3/8 x 5 7/8	MERV 14	500	250	0.40	22	12.5
24 x 24 x 6	23 3/8 x 23 3/8 x 5 7/8	80-85%	1000	250	0.35	50	19.5
12 x 24 x 6	11 3/8 x 23 3/8 x 5 7/8	MERV 13	500	250	0.35	22	12.5
24 x 24 x 6	23 3/8 x 23 3/8 x 5 7/8	60-65%	1000	250	0.20	50	19.5
12 x 24 x 6	11 3/8 x 23 3/8 x 5 7/8	MERV 11	500	250	0.20	22	12.5
<b>12" DEPTH (NO HEADER)</b>							
24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	90-95%	2000	500	0.65	105	17.5
12 x 24 x 12	11 3/8 x 23 3/8 x 11 1/2	MERV 14	1000	500	0.65	47	10.5
24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	80-85%	2000	500	0.55	105	17.5
12 x 24 x 12	11 3/8 x 23 3/8 x 11 1/2	MERV 13	1000	500	0.55	47	10.5
24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	60-65%	2000	500	0.50	105	17.5
12 x 24 x 12	11 3/8 x 23 3/8 x 11 1/2	MERV 11	1000	500	0.50	47	10.5