

AmerSeal® Cube

SINGLE POCKET OR TWO POCKET CUBE FILTERS



Single Pocket and Two Pocket AmerSeal® Cube Filters

- MERV 8
- Self-sealing design provides fast, easy installation
- Economical
- Fail-safe installation requires no clips or latches
- High dust holding capacity provides long service life
- Moisture resistant, polyester media
- Available with header
- Tapered pockets for ease of installation

Cube Filter Design is Ideal for a Wide Variety of Applications

- Prefilters - to extend the life of high efficiency filters
- First stage filters in hospital systems
- Single stage filtration systems - cube filters provide long service life and excellent protection to prevent dirt build up on coils and ducts
- Paint overspray collection - cube filters follow scrubbers in wet booths or follow coatings collection pads in dry booths to reduce stack emissions

Triple Density Media Design Catches and Holds More Dirt

Upstream Layer

AmerSeal® Cube filters employ a triple density, single-piece media designed to catch and hold more particulate. The upstream, or dirty air side of the filter, contains 40 denier fibers which catch larger particles and prevent faceloading. The media then transitions to 15 denier fibers which remove smaller particles from the airstream. The downstream, or clean air side, contains 6 denier fibers which capture even finer particles.

Self-Sealing Design

The media is sonically sealed around an internal wire support frame that forms a friction fit with the holding frame. The self-sealing design provides the fastest, easiest installation of any extended surface filter on the market. Simply push the filter into the frame. The polyester media forms a built-in gasket between the wire support frame and holding frame that secures the filter in place and seals it to prevent bypass. No clips, latches, or basket-type wire retainers are required.

Single Pocket or Two Pocket Models

Two pockets increase exposure of the media to incoming dirty air. Higher dust holding capacity extends service life. Two pocket models also provide lower initial resistance.

Pressure Sensitive, Dirt-Holding Adhesive

A non-drying adhesive designed exclusively for synthetic media is applied to the downstream layer. The adhesive prevents dirt particles from migrating through the media and blowing downstream.

Header Style

AmerSeal Cubes are available with a $1\frac{3}{16}$ " thick U-channel header for side access installations or other systems where a header is required.

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Engineering Data - Standard Sizes

Nominal Size (Inches) (W x H x D)	⁽¹⁾ Actual Size Self-Sealing Style (Inches)	Actual Size Header Style (Inches)	Rated Filter Face Velocity (FPM)	Related Airflow Capacity (CFM)	⁽²⁾ Rated Initial Resistance (in. w.g.)		Recommended Final Resistance (in. w.g.)
					Single Pocket	Two Pocket	
12 x 24 x 10	11¼ x 23¼	11⅞ x 23⅞	400	800	.11	.10	1.0"
16 x 20 x 10	15¼ x 19¼	15⅞ x 19⅞	400	880	.11	.10	1.0"
16 x 25 x 10	15¼ x 24¼	15⅞ x 24⅞	400	1120	.11	.10	1.0"
20 x 20 x 10	19¼ x 19¼	19⅞ x 19⅞	400	1120	.11	.10	1.0"
20 x 24 x 10	19¼ x 23¼	19⅞ x 23⅞	400	1340	.11	.10	1.0"
20 x 25 x 10	19¼ x 24¼	19⅞ x 24⅞	400	1400	.11	.10	1.0"
24 x 24 x 10	23¼ x 23¼	23⅞ x 23⅞	400	1600	.11	.10	1.0"
12 x 24 x 15	11¼ x 23¼	11⅞ x 23⅞	500	1000	.13	.12	1.0"
16 x 20 x 15	15¼ x 19¼	15⅞ x 19⅞	500	1100	.13	.12	1.0"
16 x 25 x 15	15¼ x 24¼	15⅞ x 24⅞	500	1400	.13	.12	1.0"
20 x 20 x 15	19¼ x 19¼	19⅞ x 19⅞	500	1400	.13	.12	1.0"
20 x 24 x 15	19¼ x 23¼	19⅞ x 23⅞	500	1675	.13	.12	1.0"
20 x 25 x 15	19¼ x 24¼	19⅞ x 24⅞	500	1750	.13	.12	1.0"
24 x 24 x 15	23¼ x 23¼	23⅞ x 23⅞	500	2000	.13	.12	1.0"
12 x 24 x 20	11¼ x 23¼	11⅞ x 23⅞	625	1250	.18	.15	1.0"
16 x 20 x 20	15¼ x 19¼	15⅞ x 19⅞	625	1400	.18	.15	1.0"
16 x 25 x 20	15¼ x 24¼	15⅞ x 24⅞	625	1750	.18	.15	1.0"
20 x 20 x 20	19¼ x 19¼	19⅞ x 19⅞	625	1750	.18	.15	1.0"
20 x 24 x 20	19¼ x 23¼	19⅞ x 23⅞	625	2075	.18	.15	1.0"
20 x 25 x 20	19¼ x 24¼	19⅞ x 24⅞	625	2170	.18	.15	1.0"
24 x 24 x 20	23¼ x 23¼	23⅞ x 23⅞	625	2500	.18	.15	1.0"

(1) Outside dimensions of internal wire support frame.

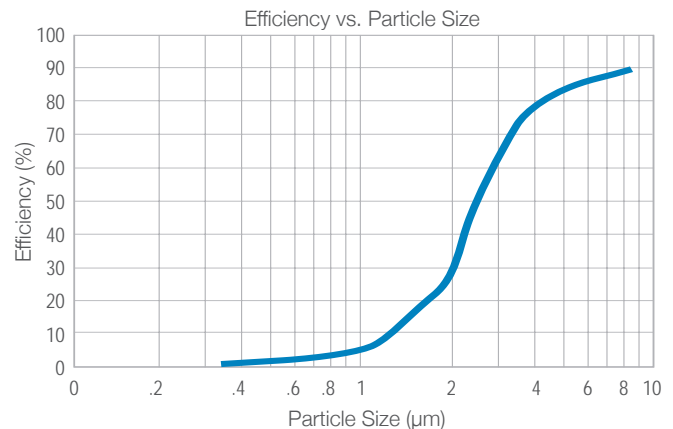
(2) All performance data is based on ASHRAE Standard 52.2. Performance tolerances conform to Section 7.4 of ARI Standard 850-93.

Continuous Operating Temperature Limits: AmerSeal Cube filters are designed for continuous operating temperatures up to 150°F (66°C).

Underwriters Laboratories Classification: AmerSeal Cube filters are UL Classified. Testing was performed according to UL Standard 900 and ULC-S111.

Operating Data

Composite Minimum Efficiency Curve



AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

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