



# AmerSeal® Cube Filters

*Self-Sealing  
Economical Single  
Pocket or Two  
Pocket Cube Filters*



## **SINGLE POCKET AND TWO POCKET AmerSeal CUBE FILTERS**

- **Classified MERV 8**
- **Self-sealing design provides fast, easy installation**
- **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 requiring 25% efficiency**
- **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**

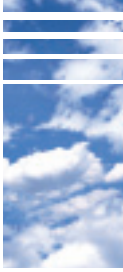
Two pockets increase exposure of the media to incoming dirty air. Higher dust holding capacity extends service life. Two pocket models also provide lower initial resistance.

### ■ **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 13/16" thick U-channel header for side access installations or other systems where a header is required.



## ENGINEERING DATA Standard Sizes

Nominal Size (Inches) (W x H x D)	①Actual Size Self-Sealing Style (Inches)	Actual Size Header Style (Inches)	Rated Filter Face Velocity (FPM)	Related Airflow Capacity (CFM)	②Rated Initial Resistance (In. W.G.)		Recommended Final Resistance (In. W. G.)
					Single Pocket	Two Pocket	
12 x 24 x 10	11-1/4 x 23-1/4	11-7/16 x 23-7/16	400	800	.11	.14	1.0"
16 x 20 x 10	15-1/4 x 19-1/4	15-7/16 x 19-7/16	400	880	.11	.14	1.0"
16 x 25 x 10	15-1/4 x 24-1/4	15-7/16 x 24-7/16	400	1120	.11	.14	1.0"
20 x 20 x 10	19-1/4 x 19-1/4	19-7/16 x 19-7/16	400	1120	.11	.14	1.0"
20 x 24 x 10	19-1/4 x 23-1/4	19-7/16 x 23-7/16	400	1340	.11	.14	1.0"
20 x 25 x 10	19-1/4 x 24-1/4	19-7/16 x 24-7/16	400	1400	.11	.14	1.0"
24 x 24 x 10	23-1/4 x 23-1/4	23-7/16 x 23-7/16	400	1600	.11	.14	1.0"
12 x 24 x 15	11-1/4 x 23-1/4	11-7/16 x 23-7/16	500	1000	.13	.14	1.0"
16 x 20 x 15	15-1/4 x 19-1/4	15-7/16 x 19-7/16	500	1100	.13	.14	1.0"
16 x 25 x 15	15-1/4 x 24-1/4	15-7/16 x 24-7/16	500	1400	.13	.14	1.0"
20 x 20 x 15	19-1/4 x 19-1/4	19-7/16 x 19-7/16	500	1400	.13	.14	1.0"
20 x 24 x 15	19-1/4 x 23-1/4	19-7/16 x 23-7/16	500	1675	.13	.14	1.0"
20 x 25 x 15	19-1/4 x 24-1/4	19-7/16 x 24-7/16	500	1750	.13	.14	1.0"
24 x 24 x 15	23-1/4 x 23-1/4	23-7/16 x 23-7/16	500	2000	.13	.14	1.0"
12 x 24 x 20	11-1/4 x 23-1/4	11-7/16 x 23-7/16	625	1250	.18	.15	1.0"
16 x 20 x 20	15-1/4 x 19-1/4	15-7/16 x 19-7/16	625	1400	.18	.15	1.0"
16 x 25 x 20	15-1/4 x 24-1/4	15-7/16 x 24-7/16	625	1750	.18	.15	1.0"
20 x 20 x 20	19-1/4 x 19-1/4	19-7/16 x 19-7/16	625	1750	.18	.15	1.0"
20 x 24 x 20	19-1/4 x 23-1/4	19-7/16 x 23-7/16	625	2075	.18	.15	1.0"
20 x 25 x 20	19-1/4 x 24-1/4	19-7/16 x 24-7/16	625	2170	.18	.15	1.0"
24 x 24 x 20	23-1/4 x 23-1/4	23-7/16 x 23-7/16	625	2500	.18	.15	1.0"

(1) Outside dimensions of internal wire support frame.

(2) All performance data is based on the ASHRAE 52.2-1999 test method. 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 classified Class 2. Testing was performed according to U.L. Standard 900 and CAN 4-S111.

## OPERATING DATA

### INITIAL EFFICIENCY VS. PARTICLE DIAMETER

