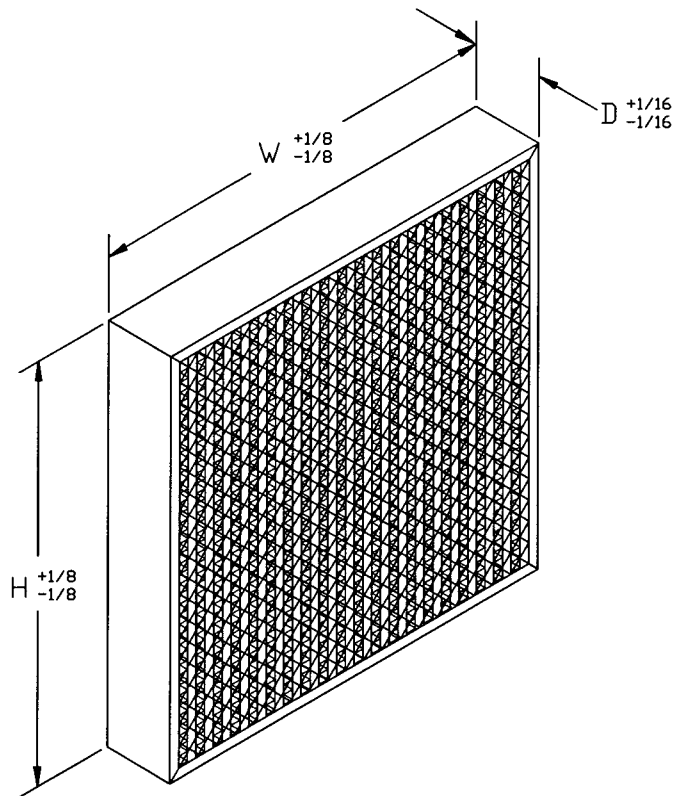


Model Number	Nominal Size (Inches) H x W x D	Actual Size (Inches) H x W x D	Rated Air Flow (CFM)	Initial Resistance (IN W.G.)	% Fill	Media Weight (Pounds)
IAQ-100-210	12 x 24 x 2	11-3/8 x 23-3/8 x 1-7/8	250	.35	100%	6
IAQ-100-201	16 x 20 x 2	15-1/2 x 19-1/2 x 1-7/8	275	.35	100%	7
IAQ-100-202	16 x 25 x 2	15-1/2 x 24-1/2 x 1-7/8	345	.35	100%	8
IAQ-100-203	20 x 20 x 2	19-1/2 x 19-1/2 x 1-7/8	345	.35	100%	8
IAQ-100-204	20 x 25 x 2	19-1/2 x 24-1/2 x 1-7/8	430	.35	100%	10
IAQ-100-205	24 x 24 x 2	23-3/8 x 23-3/8 x 1-7/8	500	.35	100%	12
IAQ-101-210	12 x 24 x 2	11-3/8 x 23-3/8 x 1-7/8	500	.44	50%	3
IAQ-101-201	16 x 20 x 2	15-1/2 x 19-1/2 x 1-7/8	550	.44	50%	3.5
IAQ-101-202	16 x 25 x 2	15-1/2 x 24-1/2 x 1-7/8	690	.44	50%	4
IAQ-101-203	20 x 20 x 2	19-1/2 x 19-1/2 x 1-7/8	690	.44	50%	4
IAQ-101-204	20 x 25 x 2	19-1/2 x 24-1/2 x 1-7/8	860	.44	50%	5
IAQ-101-205	24 x 24 x 2	23-3/8 x 23-3/8 x 1-7/8	1000	.44	50%	6




**STANDARD CONSTRUCTION**

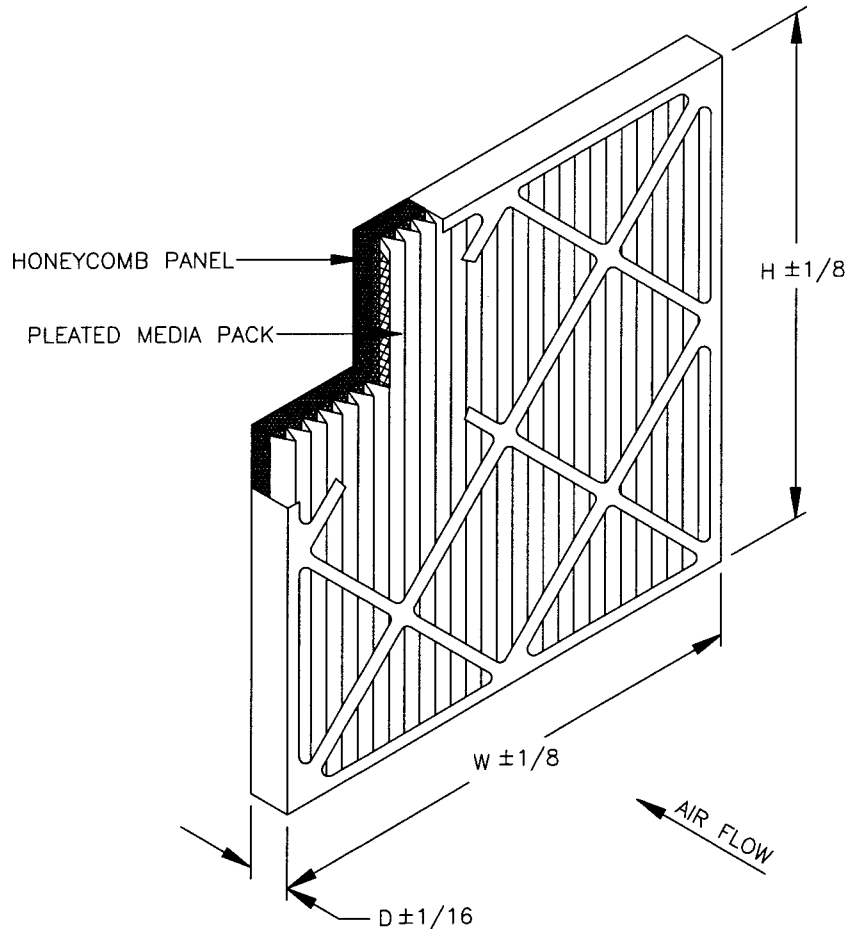
1. 26 GA Corrosion Resistant Steel
2. Honeycomb panel
3. Mesh Retainer Screens (U/S & D/S)
4. 60% Activity CTC Carbon (ASTM D-3467)

**NOTES**

1. Rated Velocity  
IAQ-100: 125 FPM  
IAQ-101: 250 FPM

 <p>ONE SOURCE FOR AIR FILTRATION PRODUCTS</p>	<p>P.O. Box 32578 Louisville, KY 40232 P: 502-969-2304 F: 502-961-0930</p>	<p><b>TOLERANCES</b> UNLESS OTHERWISE SPECIFIED</p>				<p>DRAWING NAME <b>IAQ-100 SERIES HONEYCOMB FILL GRANULAR CARBON FILTER</b></p>					
		<p>FRACTIONAL DECIMAL ANGLES</p>		<p>APPROVED BY <i>K. Quinn</i></p>		<p>SPECIFICATION NO. MKT-B-00308</p>		<p>PAGE 1 OF 1</p>			
<p>CONTACT FACTORY TO VERIFY REVISION LEVEL</p>		<p>ALL DIMENSIONS IN INCHES</p>		<p>SCALE NONE</p>		<p>DWG. SIZE A</p>		<p>REVISION A</p>		<p>REVISION DATE 7-31-02</p>	
<p><small>CONFIDENTIAL - DO NOT COPY. THIS MATERIAL IS TRADE SECRET AND PROPRIETARY BEING EXCLUSIVELY OWNED BY AIRGUARD. THE EXPRESSION OF THE INFORMATION CONTAINED HEREIN IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND ALL COPYING IS PROHIBITED AND MAY BE SUBJECT TO CRIMINAL PENALTIES.</small></p>											

Model Number	Nominal Size (Inches) H x W x D	Actual Size (Inches) H x W x D	Rated Air Flow (CFM)	Initial Resistance (IN W.G.)	% Fill	Media Weight (Pounds)
IAQ-102-210-BIO	12 x 24 x 2	11-3/8 x 23-3/8 x 1-7/8	500	.40	50%	1.5
IAQ-102-201-BIO	16 x 20 x 2	15-1/2 x 19-1/2 x 1-7/8	550	.40	50%	1.8
IAQ-102-202-BIO	16 x 25 x 2	15-1/2 x 24-1/2 x 1-7/8	690	.40	50%	2
IAQ-102-203-BIO	20 x 20 x 2	19-1/2 x 19-1/2 x 1-7/8	690	.40	50%	2
IAQ-102-204-BIO	20 x 25 x 2	19-1/2 x 24-1/2 x 1-7/8	860	.40	50%	2.5
IAQ-102-205-BIO	24 x 24 x 2	23-3/8 x 23-3/8 x 1-7/8	1000	.40	50%	3





#### STANDARD CONSTRUCTION

1. Off White Cotton / Polyester High Loft Media W/ Antimicrobial Treatment
2. Expanded Metal Pleat Supports
3. Moisture Resistant Beverage Board Frame
4. Double Wall Frame
5. Honeycomb Panel with 60% CTC Carbon 50% Fill

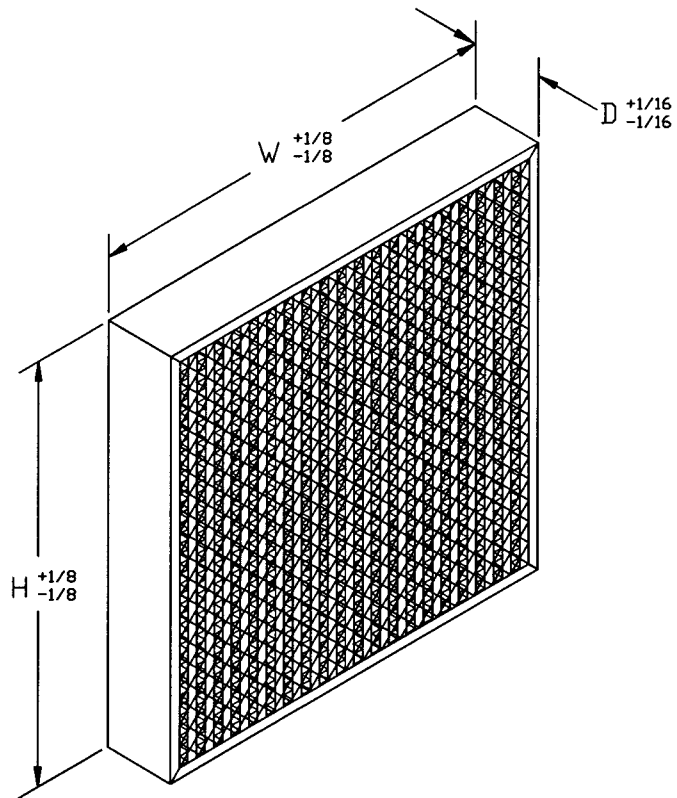
#### NOTES

1. Average Efficiency: 25-30% ASHRAE 52.1-1992  
MERV 6 ASHRAE 52.2-1999
2. Final Resistance: 1.0" W.G.
3. Rated Velocity: 250 FPM

 <b>ONE SOURCE FOR AIR FILTRATION PRODUCTS</b> P.O. Box 32578 Louisville, KY 40232 P: 502-969-2304 F: 502-961-0930	<b>TOLERANCES</b> UNLESS OTHERWISE SPECIFIED		DRAWING NAME <b>IAQ-102 HONEYCOMB FILL GRANULAR CARBON FILTER</b>		
	FRACTIONAL DECIMAL ANGLES	APPROVED BY 		SPECIFICATION NO. MKT-B-00339	PAGE 1 OF 1
<b>CONTACT FACTORY TO VERIFY REVISION LEVEL</b>		SCALE NONE	DWG. SIZE A	REVISION NEW	REVISION DATE 7-31-02
ALL DIMENSIONS IN INCHES		CONFIDENTIAL - DO NOT COPY. THIS MATERIAL IS TRADE SECRET AND PROPRIETARY BEING EXCLUSIVELY OWNED BY AIRGUARD. THE EXPRESSION OF THE INFORMATION CONTAINED HEREIN IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND ALL COPYING IS PROHIBITED AND MAY BE SUBJECT TO CRIMINAL PENALTIES.			

# IAQ-100 SERIES MEDIA WEIGHT CALCULATION TABLE

MEDIA % FILL	CARBON IAQ-105				POTASSIUM PERMANGANATE IAQ-106				50/50 BLEND IAQ-107			
	25	50	75	100	25	50	75	100	25	50	75	100
MEDIA WEIGHT FACTOR (LB. PER CUBIC INCH)	0.0029	0.0059	0.0088	0.0117	0.0056	0.0112	0.0168	0.0224	0.0044	0.0087	0.0131	0.0175



### WEIGHT CALCULATION EXAMPLE

IAQ-105 100% Fill  
14" x 14" x 2" (1-7/8" Actual Thickness)

14" x 14" x 1.875" = 367.5 Cubic Inches  
367.5 x 0.0117 = 4.30 Pounds of Carbon

### STANDARD CONSTRUCTION

1. 26 GA Corrosion Resistant Steel
2. Honeycomb Panel
3. Mesh Retainer Screens (U/S & D/S)
4. Available Media
  - 60% CTC Carbon (IAQ-105)
  - Potassium Permanganate (IAQ-106)
  - 50/50 Blend 60% CTC Carbon / Potassium Permanganate (IAQ-107)
5. All Product Ordered by Square Inch Ranges
6. Available Depths:
  - 3/8" Exact
  - 1" Nominal (7/8" Exact)
  - 2" Nominal (1-7/8" Exact)
7. Available Fill: 25%, 50%, 75%, 100%

### NOTES

1. Initial Resistance
  - 0.35" W.G. @ 125 FPM (2" Deep, 100% Fill)
  - 0.44" W.G. @ 250 FPM (2" Deep, 50% Fill)

ONE SOURCE FOR AIR FILTRATION PRODUCTS	P.O. Box 32578 Louisville, KY 40232 P: 502-969-2304 F: 502-961-0930	<b>TOLERANCES</b> UNLESS OTHERWISE SPECIFIED		DRAWING NAME <b>IAQ-105 / IAQ-106 / IAQ-107</b> <b>HONEYCOMB FILL SPECIAL SIZES</b>			
		FRACTIONAL DECIMAL ANGLES		APPROVED BY <i>[Signature]</i>	SPECIFICATION NO. MKT-B-00340	PAGE 1 OF 1	
CONTACT FACTORY TO VERIFY REVISION LEVEL		ALL DIMENSIONS IN INCHES		SCALE NONE	DWG. SIZE A	REVISION NEW	REVISION DATE 7-31-02
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