

QUALITY FILTERS, INC.

THINKSIMPLE. THINKSMART. THINKQUALITY.

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Quality Filters Quality Cell MERV 11, 12, 13, 14 & OB

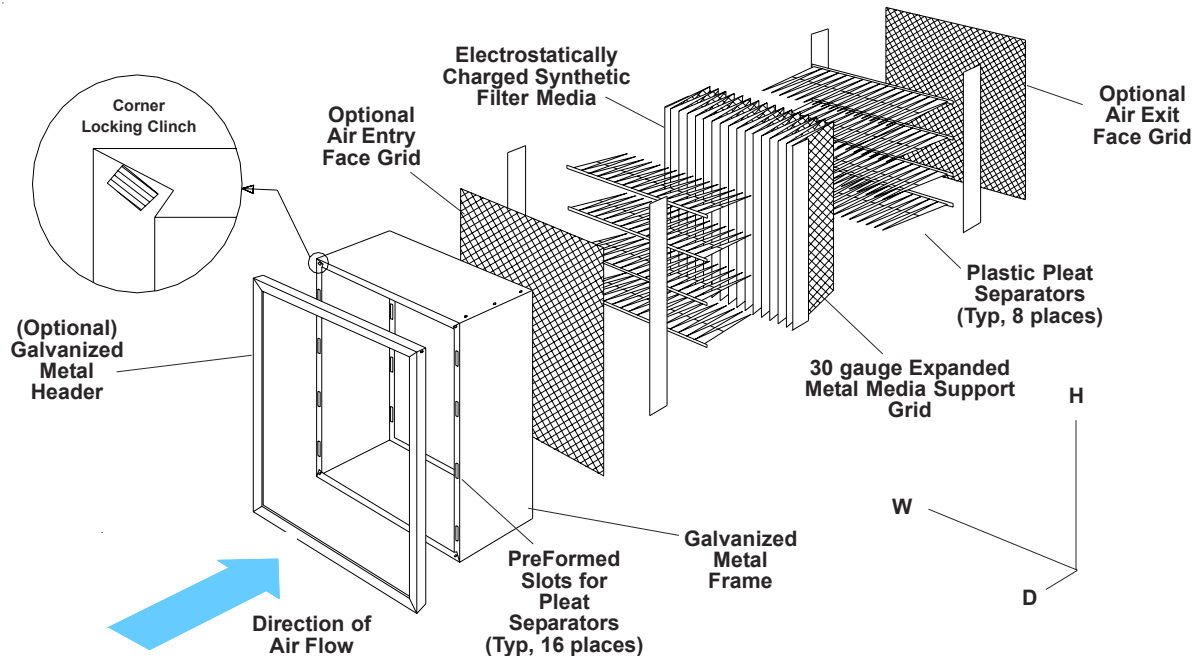
Date 8 Jul 10

Dwg No.

Q-110038

Rev

C



Notes:

Quality Cell rigid filters are designed to provide consistent high efficiency filtration in variable air volume systems and turbulent air. Deep pleats are held firmly in place with plastic separators and expanded metal backing. Every edge of the media pack is glued inside the periphery of the frame to prevent air and dust bypass. The media and separators are 100% polypropylene to resist moisture damage, microbial growth, and puncture damage. Heavy gauge galvanized enclosure frame resists corrosion and maintains its structural integrity for extended months of service. Quality Cells are excellent replacement filters for ASHRAE style metal separator filters and for mini-pleat V cells. Quality Cells are available in MERV 11, 12, 13, 14 & OB ratings per ASHRAE 52.2.

Media Area - Quality Cell

Nominal Size w x h x d	Media Area No Header (sq. ft.)	Media Area Header (sq. ft.)	Flow Rate (cfm)	Actual Dimensions w x h x d
12 x 24 x 6	15	13	500	11.375" x 23.375" x 5.5"
20 x 20 x 6	20	18	694	19.375" x 19.375" x 5.5"
20 x 24 x 6	24	22	833	19.375" x 23.375" x 5.5"
24 x 24 x 6	29	27	1000	23.375" x 23.375" x 5.5"
12 x 24 x 12	29	25	1000	11.375" x 23.375" x 11.5"
20 x 20 x 12	40	38	1389	19.375" x 19.375" x 11.5"
20 x 24 x 12	48	44	1667	19.375" x 23.375" x 11.5"
24 x 24 x 12	58	52	2000	23.375" x 23.375" x 11.5"

Part Number Guide - Quality Cell

Product Code	Header Style	Dimensions	Options
QC = Quality Cell	H = 13/16" Header N = No Header DH = Double Header	242412 = W x H x D (Nominal)	X=Gaskets Air Exit E=Gaskets Air Entry S = Gaskets Sides F=Face Grids Air Entry and Exit G=Face Grids Air Exit B=Cross Bracing Air Entry and Exit J=Cross Bracing Air Exit
QC N 9 242412 XF			
Efficiency			
9= MERV 14			
8= MERV 13			
6= MERV 12			
4= MERV 11			

Performance Data - Quality Cell

Product Code	ASHRAE 52.2 - 1999					
	MERV Value	E1 %	E2 %	E3 %	@ 492 fpm	
					Initial Resistance "w.g.	Final Resistance "w.g.
QCN4242412*	11	-	-	-	-	-
QCN6242412*	12	59.6	85.6	95	0.31	1.50
QCN8242412*	13	68.8	90.2	95.1	0.41	1.50
QCN9242412*	14	75.8	93.9	99.4	0.54	1.50
QCNOB242412*	8	n/a	n/a	n/a	0.15	1.50

* No header, for headered version, add 10%.

Characteristics	Quality Cell Rigid Filters
Filter Media - Particulate	100% synthetic gradient media, electrostatically charged
Filter Media - Odor Ban	Fine carbon powder bonded to lofted polyester media
Media Support Grid	30 gauge expanded metal media support grid
Pleat Separators	Plastic pleat separators
Frame	26 gauge galvanized metal frame
Assembly Technique	Media pack totally bonded to frame - Plastic media separators bonded to preformed slots
Max. Temperature	150°F (65°C) continuous service, Peaks 200°F (93°C)
Max. Humidity	Resistant to 100% R.H.

*Trade names and company names are used for identification purposes only.