



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.

Performance Data - Quality Cell

Product Code	ASHRAE 52.2 - 1999						ASHRAE 52.1 - 1991	
	MERV Value	E1 %	E2 %	E3 %	Initial Resistance "w.g. @ 492 fpm	Final Resistance "w.g. @ 492 fpm	Initial Resistance "w.g. @ 500 fpm	Final Resistance "w.g. @ 500 fpm
QCN11242412*	11	-	-	-	-	-	0.22	1.50
QCN12242412*	12	59.6	85.6	95	0.31	1.50	-	-
QCN13242412*	13	68.8	90.2	95.1	0.41	1.50	-	-
QCN14242412*	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%.

Media Area - Quality Cell

Nominal Size	Media Area No Header (sq. ft.)	Media Area Header (sq. ft.)	Flow Rate (cfm)	Actual Dimensions
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

QC N 9 242412 XF

- Product Code**
QC = Quality Cell
- Header Style**
H = 13/16" Header
N = No Header
DH = Double Header
- Efficiency**
9=95% MERV 14
8=85% MERV 13
6=65% MERV 12
4=55% MERV 11
- Dimensions**
242412 = W x H x D (Nominal)
- Options**
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

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	Poly pleat separators
Frame	26 gauge galvanized metal frame
Assembly Technique	Media pack totally bonded to frame - poly 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.



QUALITYFILTERS, INC.
 THINKSIMPLE. THINKSMART. THINKQUALITY.

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

DR JJS	Date 16 Nov 07	Dwg No. Q-110038	Revision A
CK JH	Date 16 Nov 07		