



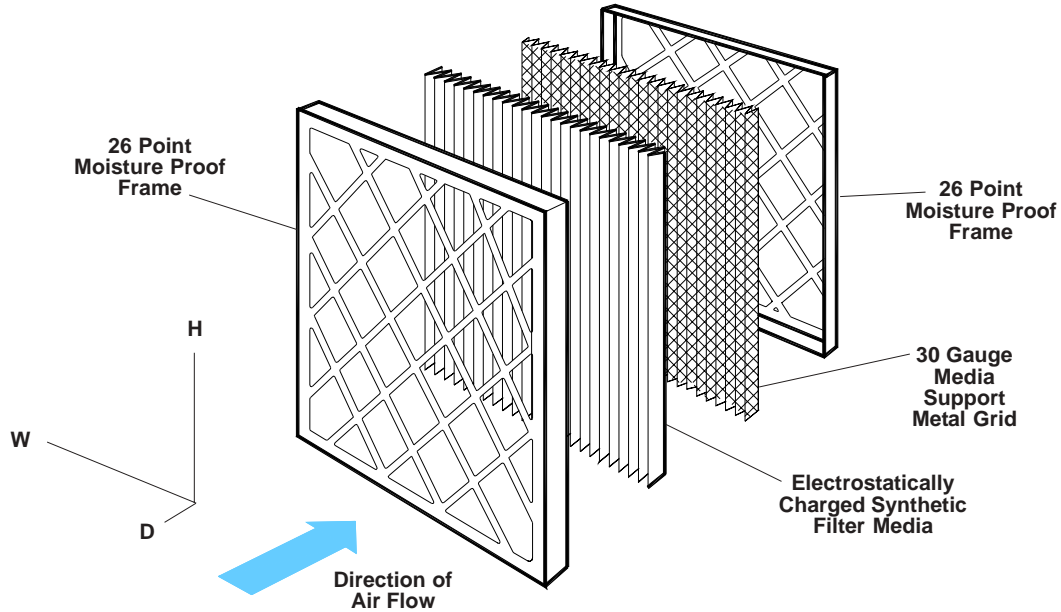
# QUALITY FILTERS, INC.

THINKSIMPLE. THINKSMART. THINKQUALITY.

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<b>Quality</b>		
<b>Brutus MERV 8 Pleated Filters</b>		
Date 4 Jan 10	Dwg No.	Rev
Date 4 Jan 10	<b>Q-110043</b>	



### Part Number Guide

Product Code	Nominal Size	Actual Size	Flow Rate cfm	Media Sq. Feet
Brutus812241	12x24x1	11.375x23.375x.75	590	3.7
Brutus816201	16x20x1	15.625x19.625x.75	654	4.1
Brutus816241	16x24x1	15.5x23.5x.75	787	5.1
Brutus816251	16x25x1	15.625x24.625x.75	836	5.2
Brutus818241	18x24x1	17.5x23.5x.75	885	5.6
Brutus820201	20x20x1	19.625x19.625x.75	836	5.2
Brutus820241	20x24x1	19.375x23.375x.75	983	6.2
Brutus820251	20x25x1	19.625x24.625x.75	1032	6.5
Brutus820301	20x30x1	19.5x29.5x.75	1229	7.9
Brutus824241	24x24x1	23.375x23.375x.75	1180	7.5
Brutus812242	12x24x2	11.375x23.375x1.75	983	6
Brutus816202	16x20x2	15.625x19.625x1.75	1082	6.5
Brutus816242	16x24x2	15.5x23.5x1.75	1311	8.6
Brutus816252	16x25x2	15.625x24.625x1.75	1377	8.1
Brutus818242	18x24x2	17.5x23.5x1.75	1475	9
Brutus820202	20x20x2	19.625x19.625x1.75	1377	8.5
Brutus820242	20x24x2	19.375x23.375x1.75	1637	10.2
Brutus820252	20x25x2	19.625x24.625x1.75	1721	10.6
Brutus820302	20x30x2	19.5x29.5x1.75	2048	13.5
Brutus824242	24x24x2	23.375x23.375x1.75	1967	12
Brutus812244	12x24x4	11.4375x23.4375x3.5	983	9.5
Brutus816204	16x20x4	15.625x19.625x3.5	1082	10.5
Brutus816254	16x25x4	15.625x24.625x3.5	1377	13.6
Brutus818244	18x24x4	17.625x23.625x3.5	1475	14.2
Brutus820204	20x20x4	19.625x19.625x3.5	1377	12.8
Brutus820244	20x24x4	19.4375x23.4375x3.5	1622	15.4
Brutus820254	20x25x4	19.625x24.625x3.5	1721	16
Brutus824244	24x24x4	23.375x23.375x3.5	1967	18.9

Pleats per linear foot 1" depth = 14, 2" depth = 10, 4" depth = 8.

### Notes:

Brutus MERV 8 Pleated Filters are available in 1", 2" and 4" depth. The electrostatically charged 100% synthetic graduated density media is continuously bonded to a 30 gauge galvanized, corrosion resistant, expanded metal support grid with an effective open area of 96%. The media is resistant to a wide range of chemicals, does not absorb moisture and will not support microbial growth.

The controlled pleat spacing maximizes surface area and dust holding capacity and is bonded to the enclosure frame to prevent dust bypass.

The enclosure frame is constructed of moisture proof beverage board. The diagonal support members of the frame are bonded to the entering and exiting apexes of each pleat to prevent pleat collapse and filter bowing.

### Performance Data

Product Code	ASHRAE 52.1 - 1992			Initial Resistance " w.g. @ Rated Flow See Chart	Final Resistance " w.g.	ASHRAE 52.2 - 1999		
	Initial Efficiency %	Average Efficiency %	Average Arrestance %			MERV Value	E1 %	E2 %
Brutus8 - 1"	30.0	45.6	89.0	0.172 -	1.0	8*		
Brutus8 - 2"	36.3	47.0	87.9	- 0.272	1.0	8	17.1	47
Brutus8 - 4"	35.2	38.7	93.0	- 0.231	1.0	8*		70.3

\* Minimum performance expectation - Test data pending

### Characteristics Brutus MERV 8 Pleated Filters

<b>Filter Media</b>	100% synthetic gradient media, electrostatically charged
<b>Filter Support Grid</b>	30 gauge galvanized expanded metal grid
<b>Frame</b>	Moisture proof beverage board
<b>Assembly Technique</b>	Media pack totally bonded to frame
<b>Max. Temperature</b>	180°F (82°C) continuous service, Peaks 225°F (107°C)
<b>Max. Humidity</b>	Resistant to 100% R.H.
<b>Flammability</b>	U.L. 900, Class 2