



QUALITY FILTERS, INC.

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Quality BRUTUS Mechanical MERV 8 Pleated Filters

Date 16 Mar 10

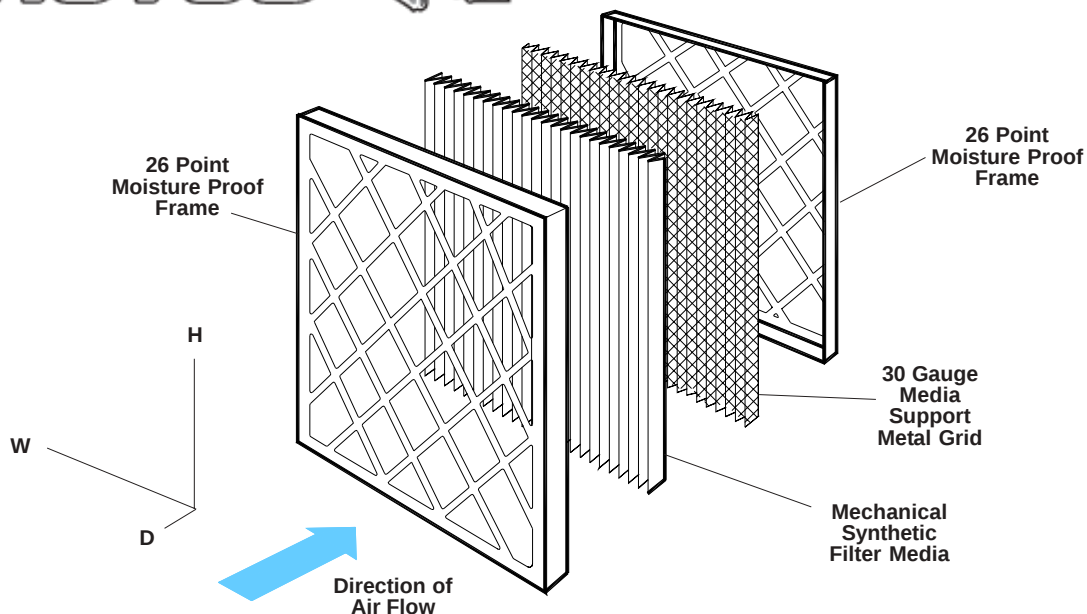
Dwg No.

Rev

Date 16 Mar 10

Q-110042

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Part Number Guide

Product Code	Nominal Size	Actual Size	Flow Rate cfm	Media Sq. Feet
BRUTUS12241	12x24x1	11.75x23.75x.75	590	3.7
BRUTUS16201	16x20x1	15.625x19.625x.75	654	4.1
BRUTUS16241	16x24x1	15.5x23.5x.75	787	5.1
BRUTUS16251	16x25x1	15.625x24.625x.75	836	5.2
BRUTUS18241	18x24x1	17.5x23.5x.75	885	5.6
BRUTUS20201	20x20x1	19.625x19.625x.75	836	5.2
BRUTUS20241	20x24x1	19.375x23.375x.75	983	6.2
BRUTUS20251	20x25x1	19.625x24.625x.75	1032	6.5
BRUTUS20301	20x30x1	19.5x29.5x.75	1229	7.9
BRUTUS24241	24x24x1	23.75x23.75x.75	1180	7.5
BRUTUS12242	12x24x2	11.375x23.375x1.75	983	6
BRUTUS16202	16x20x2	15.625x19.625x1.75	1082	6.5
BRUTUS16242	16x24x2	15.5x23.5x1.75	1311	8.6
BRUTUS16252	16x25x2	15.625x24.625x1.75	1377	8.1
BRUTUS18242	18x24x2	17.5x23.5x1.75	1475	9
BRUTUS20202	20x20x2	19.625x19.625x1.75	1377	8.5
BRUTUS20242	20x24x2	19.375x23.375x1.75	1637	10.2
BRUTUS20252	20x25x2	19.625x24.625x1.75	1721	10.6
BRUTUS20302	20x30x2	19.5x29.5x1.75	2048	13.5
BRUTUS24242	24x24x2	23.375x23.375x1.75	1967	12
BRUTUS12244	12x24x4	11.4375x23.4375x3.75	983	9.5
BRUTUS16204	16x20x4	15.625x19.625x3.75	1082	10.5
BRUTUS16254	16x25x4	15.625x24.625x3.75	1377	13.6
BRUTUS18244	18x24x4	17.625x23.625x3.75	1475	14.2
BRUTUS20204	20x20x4	19.625x19.625x3.75	1377	12.8
BRUTUS20244	20x24x4	19.4375x23.4375x3.75	1622	15.4
BRUTUS20254	20x25x4	19.625x24.625x3.75	1721	16
BRUTUS24244	24x24x4	23.375x23.375x3.75	1967	18.9

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

Notes:

BRUTUS Mechanical MERV 8 Pleated Filters are available in 1", 2" and 4" depth. The mechanical 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 26 point 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 %	E3 %
BRUTUS - 1"	n/a	n/a	n/a	0.16	1.00	8	7	49	80
BRUTUS - 2"	n/a	n/a	n/a	0.20	1.50	8	11	51	76
BRUTUS - 4"	n/a	n/a	n/a	0.15	1.50	8	7	44	79

Characteristics BRUTUS Mechanical MERV 8 Pleated Filters

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