



Paint Booth Filtration Products for Aerospace Industry

FEATURES

Glasfloss 2 & 3 stage paint booth products for aerospace and related industries feature heavy duty construction and high particulate removal efficiency. Glasfloss 2 & 3 stage systems are progressively dense and promote depth loading to enhance filter life.

CONSTRUCTION

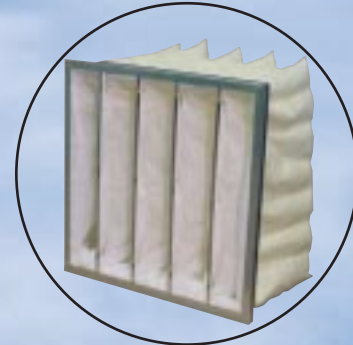
Glasfloss paint booth products for the aerospace industry incorporate 100% synthetic media. The 2 stage system includes the self-supporting, three-ply, "Q-319" cube filter that incorporates a progressively dense fiber structure. The "Q-319" incorporates shaped fiber technology that promotes high particulate efficiency and low pressure drop. The 3 stage system incorporates the high efficiency, 100% melt-blown media, "Excel" bag filter formed by controlled span stitching down the length of each individual pocket.

APPLICATIONS

Glasfloss paint booth products for the aerospace and related industries are designed specifically to meet NESHAP/EPA 319 Test Standard. The 2 stage product system is designed for booths that were built prior to October 29, 1996. The 3 stage product system is designed for booths built after October 29, 1996. Both the 2 & 3 stage product systems provide excellent particulate removal.



Q-319



95% Excel

Q-319 SPECIFICATIONS

Q-319 extended surface paint booth filters shall be manufactured from 100% non-woven polyester and state-of-the-art, "shaped fiber" media. The air entering, first layer shall consist of a dual density media. The outer and center edges of the first layer of media shall be thermally sealed to form each individual pocket. The second layer of "shaped fiber" media offers significantly higher particulate removal efficiency and offers excellent bi-directional strength. Both layers of media shall be sewn around the heavy-duty wire frame for added strength. The pockets are sewn together and supported by a heavy-duty cross wire, which insures maximum rigidity and eliminates the possibility of element detachment. There shall be sufficient media overlap to ensure a positive seal between the filter and holding frame, eliminating the possibility of air bypass and the need for supplemental gasketing. All filters shall incorporate media that is Class 2 under U.L. std. 900.

EXCEL SPECIFICATIONS

The Glasfloss Excel extended surface bag filter shall incorporate an ultra-fine, dual ply 100% synthetic media. Individual pockets shall be formed by span stitching down the length of the pockets to maximize the utilization of media. The stitching shall be coated with a thin line of hot melt adhesive to secure the thread to the media and seal any perforations in the media caused by sewing. The pockets shall be individually adhered to an internal aluminum tube header. Each individual pocket shall be fastened to the next by means of pocket support ribs, which are mechanically attached to the internal header. The entire assembly shall be encased in a galvanized steel header frame to prevent racking and possible bypass of unfiltered air. Glasfloss Excel filters shall be rated Class 2 under U.L. std. 900.



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for Aerospace Industry

NESHAP/EPA Method 319
Approved 2 Stage System

For Booths Prior to October 29, 1996:

1st Stage - 8G Pad
2nd Stage - Q-319



1st Stage: Part #	8G Pad Size	Ctn. Qty
PPD20208G	20X20	25
PPD20258G	20X25	25
PPD24248G	24X24	25
2nd Stage:	Q-319	
QAD202015QSS	20X20X15	2
QAD202515QSS	20X25X15	2
QAD242415QSS	24X24X15	2

PERFORMANCE DATA:

Glasfloss Q-319 24x24x15, 2 Pocket
Initial Delta P = .061" w.g. Air Velocity = 120 FPM

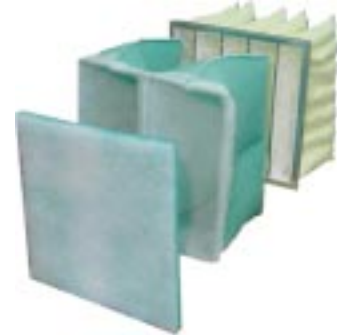
Liquid Challenge Oleic Acid			Solid Challenge KCI		
Particle Size	Required	Actual	Particle Size	Required	Actual
>2.2 um	>10%	58.4%	>2.6 um	>10%	61.2%
>4.1 um	>50%	88.4%	>5.0 um	>50%	82.6%
>5.7 um	>90%	95.5%	>8.1 um	>90%	93.2%

Q-319 2 Pocket Cube Passed the NESHAP/EPA 319 Test Method without a pre-filter. The user may use a variety of pre-filters such as the 8G Pad. Pre-filter extends the life of more expensive secondary filtration products.

NESHAP/EPA Method 319
Approved 3 Stage System

For Booths After October 29, 1996:

1st Stage - 8G Pad
2nd Stage - Quad 440
3rd Stage - Excel



1st Stage: Part #	8G Pad Size	Ctn. Qty
PPD20208G	20X20	25
PPD20258G	20X25	25
PPD24248G	24X24	25
2nd Stage:	Quad 440	
QAD202015SS	20X20X15	2
QAD202515SS	20X25X15	2
QAD242415SS	24X24X15	2
3rd Stage:	95% Excel Bag	
SBG20201595L	20X20X15 5 Pkt	5
SBG25201596L	25X20X15 6 Pkt	6
SBG24241596L	24X24X15 6 Pkt	6

PERFORMANCE DATA:

Glasfloss Excel 24x24x15, 6 Pocket
Initial Delta P = .088" w.g. Air Velocity = 120 FPM

Liquid Challenge Oleic Acid			Solid Challenge KCI		
Particle Size	Required	Actual	Particle Size	Required	Actual
>0.42 um	>65%	67.5%	>0.70 um	>75%	81.9%
>1.0 um	>80%	84.3%	>1.1 um	>85%	89.3%
>2.0 um	>95%	95.2%	>2.5 um	>95%	96.3%

The Excel 95% Bag Filter Passed the NESHAP/EPA 319 Test Method without a pre-filter. The user may use a variety of pre-filters such as the 8G Pad and Quad 440 pre-filters.