

Polyfoam Washable Panel Air Filter (Comparable to Grade G3 or G4 to EN779:2012)

Applications

The Polyfoam Washable air filter offers a low to medium filtration efficiency. Typically used in ventilation and air conditioning systems, where a washable filter is of benefit over a disposable filter such as a glass, synthetic or a pleated panel filter.

Polyfoam Washable Air Filters are initially more expensive than disposable panels, but can last several years.

Use of washable panel filters makes it unnecessary to have valuable space-consuming spares on the premises, and also obviates the need for frequent ordering of replacements.

Description

The filter media is flame retardant reticulated polyurethane filter foam, which is enclosed within a galvanised steel frame with galvanised retaining mesh on both faces of the washable filter. The air filter frame is provided with corner gussets to provide added rigidity to last the life of the product.

Technical

Face Velocity: 2 m/s (400 ft/min)
 Maximum operating temperature: 100C
 Recommended final resistance: 188 Pa
 Nominal to Actual size: less 6mm on H & W and 3mm on Depth



POLYFOAM WASHABLE STANDARD SIZES

Size		Flow Rate m ³ /s	Part Numbers	
OT Inches	Actual mm		1" (22mm)	2" (47mm)
10 x 10	242 x 242	0.12	1210101	1210201
12 x 12	289 x 289	0.18	1210102	1210202
15 x 15	369 x 369	0.28	1210103	1210203
18 x 18	445 x 445	0.41	1210104	1210204
20 x 10	495 x 242	0.25	1210106	1210206
20 x 16	495 x 394	0.40	1210108	1210208
20 x 20	495 x 495	0.50	1210110	1210210
25 x 16	620 x 394	0.50	1210111	1210211
25 x 20	620 x 495	0.63	1210112	1210212
24 x 12	594 x 289	0.36	1210113	1210213
24 x 20	594 x 495	0.61	1210114	1210214
24 x 24	594 x 594	0.73	1210115	1210215
Spare Dual Density Pads /m ²			1790975	1790988

Notes

- * Actual sized filters will be manufactured as ordered +/- 3mm
- * Aluminium Framed as standard – No extra charge for Galvanised
- * Pressure Drops 1" - 77Pa ; 2" - 80Pa at rated flows 2 m/s face velocity
- * Weldmesh facias are fitted both sides of the media

Resistance to Airflow

Face Velocity								
m/s	1.25		1.5		2.0		2.5	
fpm	250		300		400		500	
Pressure Drop	Pa	"wg	Pa	"wg	Pa	"wg	Pa	"wg
22mm Filter Combination (13mm @ 20PPI + 6mm @45PPI)	37	0.15	47	0.19	77	0.31	112	0.45
47mm Filter Combination (38mm @ 10PPI + 6mm @ 45PPI)	50	0.20	62	0.25	80	0.32	100	0.40

Holding Frames and Cases

Holding frames and casings for Polyfoam Washable Panel Filters are available singularly or in multiples, and can be manufactured to suit non-standard sizes and special applications.

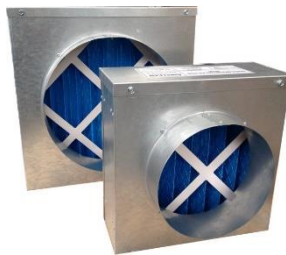
See Catalogue Section 8 (code AC8) for full information.



Front Withdrawal
Frame (1810)



MEZ Flanged Side
Access Housing (1820)



Duct Mounted Filter
Housing (1825)



Fully Welded Side
Withdrawal Filter Housing
(1840)