

AIRCLEAN

YOUR AIR FILTER MANUFACTURER

P.O. BOX 147,
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Polyfoam Washable Panels

Applications

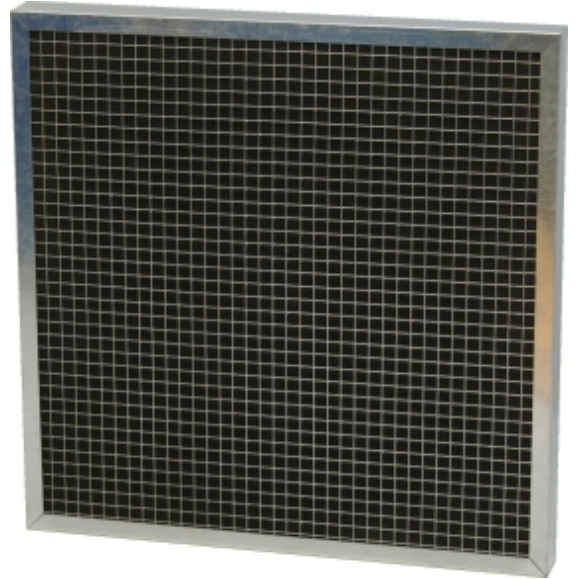
The Polyfoam Washable filter is a medium efficiency filter suitable for ventilation and air conditioning systems, where cleanability is required rather than a disposable cell.

These filters are initially more expensive than disposable panels, but can last several years.

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

Construction

The filter media is dual density reticulated polyurethane foam, enclosed within a galvanised steel channel frame with a galvanised retaining mesh on the inlet and outlet faces. The frame is provided with corner gussets to provide added rigidity.



Technical

Filter Classification:	Grade G4 to EN779
Recommended face velocity:	2 m/s (400 ft/min)
Maximum operating temperature:	100°C (212°F)
Recommended final resistance:	188 Pa (0.75" wg.)

Resistance to Airflow

m/s	Face Velocity							
	1.25		1.5		2.0		2.5	
	250		300		400		500	
fpm	Pa	"wg	Pa	"wg	Pa	"wg	Pa	"wg
1" Filter Combination (0.5",20) + (0.25",45)	37	0.15	47	0.19	77	0.31	112	0.45
2" Filter Combination (1.5",10) + (0.25",45)	50	0.20	62	0.25	80	0.32	100	0.40
2" Filter Combination (1.5",10) + (0.25",60)	62	0.25	75	0.30	95	0.38	117	0.47

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Capacity Chart

Data based on Face Velocity of 2.0 m/s (400 fpm)

SIZE	SIZE	Flow Rate
OT Inches	Actual mm	m ³ /s
10 x 10	242 x 242	0.12
12 x 12	289 x 289	0.17
15 x 15	369 x 369	0.2
18 x 18	445 x 445	0.40
20 x 10	495 x 242	0.24
20 x 16	495 x 394	0.39
20 x 20	495 x 495	0.49
25 x 16	620 x 394	0.49
25 x 20	620 x 495	0.61
24 x 12	594 x 289	0.35
24 x 20	594 x 495	0.59
24 x 24	594 x 594	0.71

Actual Face Size = Nominal Size less 6mm (0.25")
Actual thickness = Nominal thickness less 3mm (0.125)

Holding Frames and Casings

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

See leaflets (code AC8) for full technical information.

The company reserves the right to change specifications without notice. E&OE



Code AC2/1b Ref 06/11