

# AIRCLEAN

YOUR AIR FILTER MANUFACTURER

P.O. BOX 147,  
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## Disposable Glass Panel

### Applications

The disposable glass fibre media panel filter is widely used in ventilation and air conditioning systems. Although inexpensive it offers a medium efficiency and can be used either as a main filter or as a pre-filter to extend the life of high efficiency systems.

### Construction

These filters consist of a coated graduated continuously spun glass filament in pad form, contained within either a rigid all cardboard casing, or a cardboard frame with perforated cap-punch grids.

Stiffening bars can be provided if required. Also, a scrim backing can be supplied on the outlet face for special applications.

Our method of manufacture for this style of filter utilises modern hot-melt adhesive techniques, which produce an extremely rigid and robust product.



### Technical

<b>Filter Classification:</b>	Grade G2 to EN779
<b>Maximum recommended face velocity:</b>	2.25m/s (450 ft/min)
<b>Maximum operating temperature:</b>	100°C (212°F)
<b>Dust Holding Capacity:</b>	800 g/m <sup>2</sup> EN779 (2" Panel)

		Face Velocity							
m/s		1.25		1.5		2.0		2.25	
fpm		250		300		400		450	
Pressure Drop	Pa	"wg	Pa	"wg	Pa	"wg	Pa	"wg	
	<b>1" Panel</b>	38	0.15	45	0.18	60	0.14	66	0.26
<b>2" Panel</b>	40	0.16	50	0.20	65	0.25	73	0.29	

Recommended discard resistance is 125 Pa (0.5"wg) in excess of the clean resistances shown above.

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## Typical Airflow Characteristics

### Capacity Chart

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

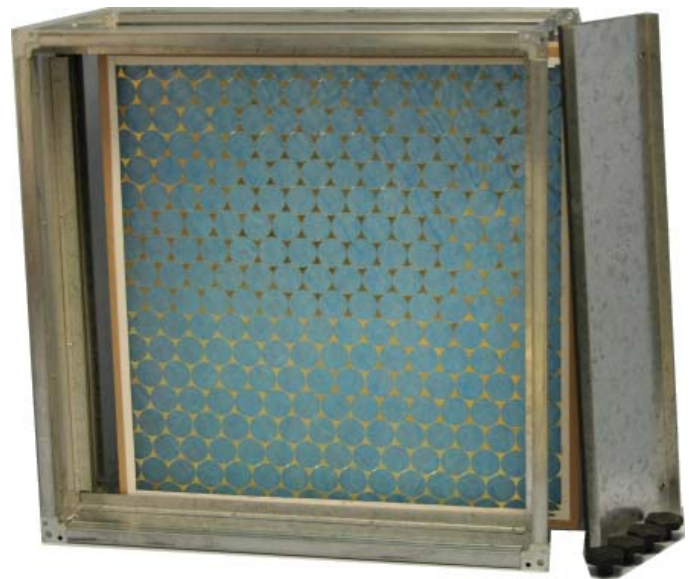
SIZE	SIZE	Flow Rate
OT Inches	Actual mm	m <sup>3</sup> /s
10 x 10	242 x 242	0.12
12 x 12	289 x 289	0.17
15 x 15	369 x 369	0.27
18 x 18	445 x 445	0.40
20 x 10	495 x 242	0.25
20 x 16	495 x 394	0.40
20 x 20	495 x 495	0.50
25 x 16	620 x 394	0.50
25 x 20	620 x 495	0.63
24 x 12	594 x 289	0.34
24 x 20	594 x 495	0.59
24 x 24	594 x 594	0.72

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 Disposable Glass Panels are available singularly or in multiples, and can be manufactured to suit non-standard sizes and special applications.

See leaflets (code AC8) for full information.



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

Code AC1/1b Ref 06/11