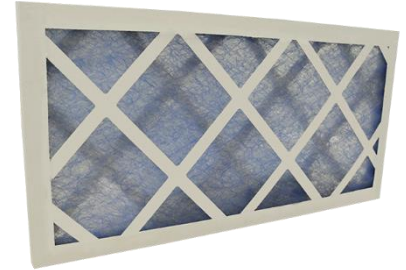


## DISPOSABLE GLASS FIBRE AIR FILTERS Grade G2 to EN779:2012

### Applications

The disposable glass fibre panel air filter is widely used in ventilation and air conditioning systems. Although this cardboard framed panel air filter is inexpensive it offers a medium to low efficiency grade of filtration, and can be used as a main filter. Alternatively the glass fibre panel is suitable for use as a pre-filter to extend the life of secondary high efficiency panel or bag air filters.



### Description

Glass Fibre Panel Air Filters consist of a coated graduated continuously spun glass filament in a pad form. The fibre glass pad is then retained within either a standard rigid cardboard filter frame, or an Airclean Moisture Resistant (AMR) cardboard frame. Air Filter stiffening bars can be provided if required.

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

### Technical

Max Face Velocity: 2.25 m/s  
 Max Operating Temp: 100 C  
 Dust Holding Capacity 800 g/m<sup>2</sup>  
 Nominal to Actual Size 6mm less on H & W, 3mm on Depth

#### STANDARD GLASS FIBRE PANEL FILTER SIZES

Size		Flow Rate m <sup>3</sup> /s	Part Numbers			
OT Inches	Actual mm		1" (22mm)		2"(47mm)	
			STD	AMR	STD	AMR
10 x 10	242 x 242	0.13	1110101	1114121	1110201	1114221
12 x 12	289 x 289	0.19	1110102	1114122	1110202	1114222
15 x 15	369 x 369	0.31	1110103	1114123	1110203	1114223
18 x 18	445 x 445	0.44	1110104	1114124	1110204	1114224
20 x 10	495 x 242	0.27	1110106	1114125	1110206	1114225
20 x 16	495 x 394	0.43	1110108	1114126	1110208	1114226
20 x 20	495 x 495	0.55	1110110	1114127	1110210	1114227
25 x 16	620 x 394	0.55	1110111	1114128	1110211	1114228
25 x 20	620 x 495	0.69	1110112	1114129	1110212	1114229
24 x 12	594 x 289	0.39	1110113	1114130	1110213	1114230
24 x 20	594 x 495	0.66	1110114	1114131	1110214	1114231
24 x 24	594 x 594	0.79	1110115	1114132	1110215	1114232

STD: Standard Cardboard Frame

AMR: Airclean Moisture Resistant Cardboard Frame

#### Notes

- \* Clean Pressure Drops 1"- 66Pa, 2"- 75Pa based on a Face Velocity of 2.25 m/s
- \* Actual sized filters will be manufactured as ordered. +/-3mm
- \* Max Size: 625H x 900W

## **Airclean Moisture Resistant Panel (AMR) Filters**

Airclean Moisture Resistant Panel Filters are for use in high humidity or moist environments. These premium filters still have a cardboard frame, but have a higher moisture resistance than our standard range, which help the filter maintain rigidity and functionality without structural failure.

Airclean Moisture Resistant Panels are available in G2/3 Glass Fibre, G3 Synthetic and G4 Pleated Panel Filters. "AMR Panel Filters" are manufactured in the same way as our standard panel filters but utilise "Carrier / Beverage Board" which has an increased wet-strength.

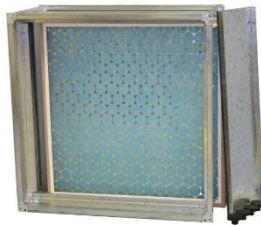
## **Holding Frames and Cases**

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 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)