Glass Panel Filters
Coarse Dust Filters for HVAC Systems

CLEAN AIR

POWER GENERATION

CLEAN ROOM

INDUSTRIAL

Low on cost, high on performance, MANN+HUMMEL's glass panel air filters represent a cost effective solution to coarse dust filtration. All are rated to G3 according to EN 779, but with a variety of sizes and media options, our range of glass panels provides a selection of filters designed to meet the exact requirements of an array of applications.

For use in general heating, ventilating and air conditioning systems where protection is required from larger particle contamination.

Fitted as a pre-filter to protect plant room equipment and duct linings, and to extend the installed life of higher cost secondary filters.

KEY FACTS

- Compact design: For simple storage, installation, handling and removal
- Wide range of size and media options available: To suit a wide variety of applications
- Suitable as a pre-filter: For the protection of higher cost secondary filters
- Heavy duty, moisture-resistant chipboard case: For rigidity and strength in operation
- Cases creased prior to folding: Eliminates moisture ingress

Glass Panel Filters Technical Data

CONSTRUCTION

Filters are manufactured from heavy duty moisture-resistant chip-board cases which are creased prior to folding to prevent moisture ingress. Filters can be supplied with scrim backing if required.

INSTALLATION

The filters are designed to locate into front withdrawal, side access or rear mounted holding fames. If required, frames with all clips, gasketing, sealant and support rods can be supplied. Alternatively, frame banks can be supplied in modules.

IF1 PANEL

IF1 panel filters are manufactured from a spun glass fibre filter media with a grade G3 efficiency, which is inserted into a card frame. Designed to combine high air flow rates with low clean pressure drops.

VG2 PANEL

A pad of graduated density Veeglass media, impregnated with a viscous agent and retained in a rigid cardboard frame.

VG3 PANEL

Similar to VG2 panels but employing a pad of three-stage Veeglass media. Direction of air flow: Panels must be installed with the air flow in the direction indicated by the arrow on the panel side.

Performance Chart

Product	Depth mm	Vel m/s Rating	Clean Pressure Drop	EN 779	Avg. Arr	Dust Holding @ 250 Pa, g/m²
IF1	22	1.85	38	G3	>80%	270
IF1	47	1.85	40	G3	>80%	500
VG2	22	1.85	25	G3	>80%	480
VG2	47	1.85	35	G3	>80%	834
VG3	47	1.85	50	G3	>80%	534

Maximum recommended final pressure: 250 Pascals