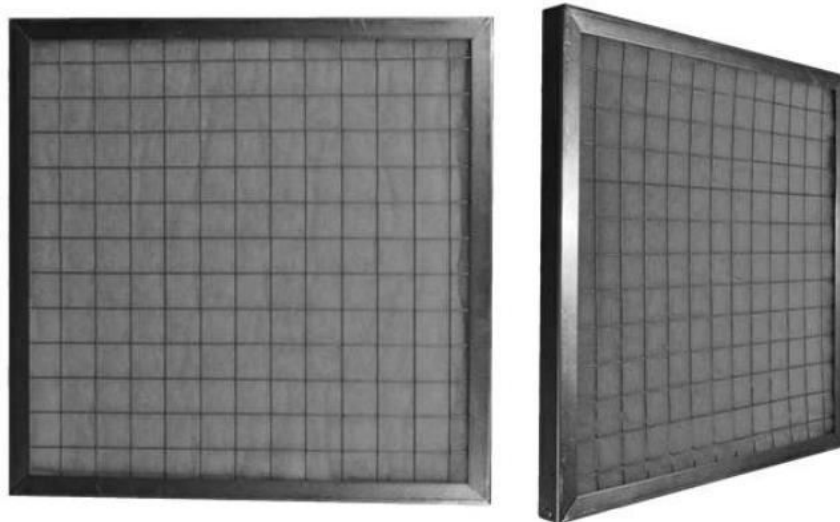


PEARL FILTRATION

FLAT PANEL FILTER - WASHABLE FPN SERIES



General Description

Pearl Filtration's Flat Panel Filter is a low cost air filter recommended for applications with low air flow rates. They are suitable for non-critical applications or as a pre-filter to protect a secondary filter. The media pads are replaceable.

Construction

Pearl Filtration's standard Flat Panel Filter frame has a nominal thickness of 22 mm, designed to be mounted into slides or standard holding frames.

The filter's frame is manufactured in Aluminised Steel. Frames are cold-formed to shape and secured with pop rivets.

Typically G3 media is installed within the frame, with other ratings available upon request. The media is secured by two layers of Galvanised mesh.

Flat Panel Filters can also be constructed in 304/316 Stainless Steel.

Cleaning and Maintenance

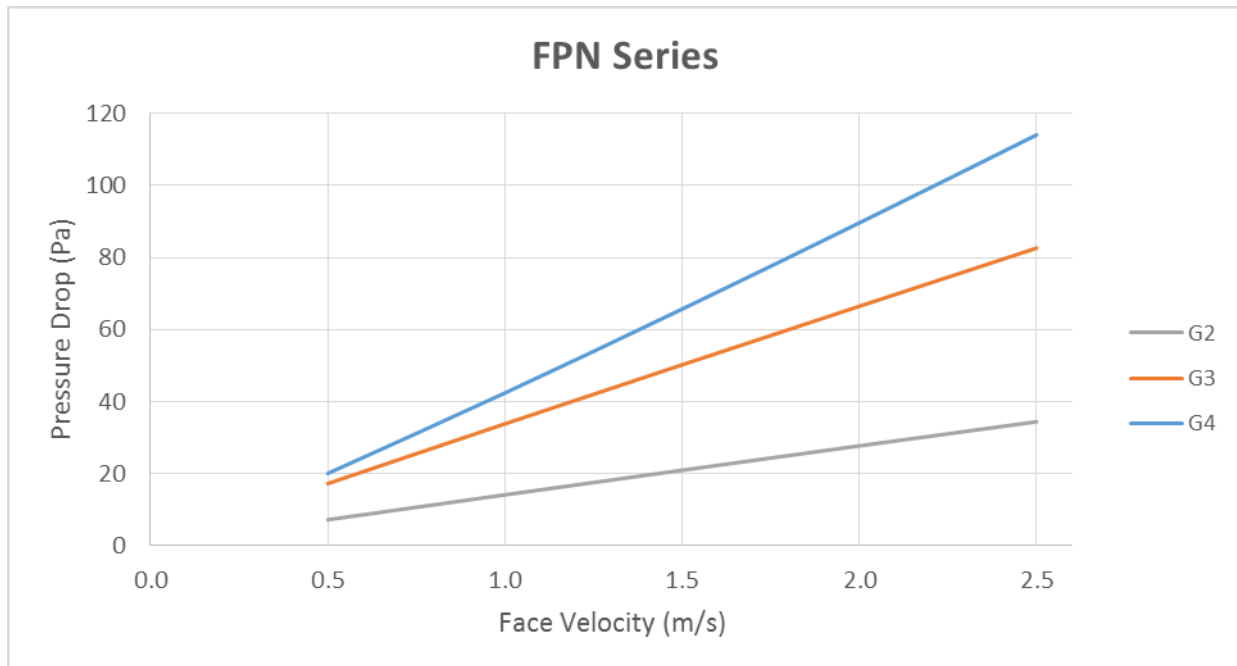
Flat Panel Filters can be carefully cleaned from the clean air side. Media should be checked for damage or deterioration before reinstallation. Cleaning may cause a reduction in filter performance.

Performance

Dimensions (mm)	Airflow Capacity (L/s) @ 1.8 m/s	G2 - Pressure Drop (Pa) @ 1.8 m/s	G3 - Pressure Drop (Pa) @ 1.8 m/s	G4 - Pressure Drop (Pa) @ 1.8 m/s
295 × 595 × 22	315	25	60	80
395 × 495 × 22	350	25	60	80
395 × 595 × 22	420	25	60	80
395 × 622 × 22	440	25	60	80
495 × 495 × 22	440	25	60	80
495 × 595 × 22	530	25	60	80
495 × 622 × 22	550	25	60	80
495 × 750 × 22	665	25	60	80
595 × 595 × 22	635	25	60	80

Standard nominal thickness is 22 mm. Other thicknesses are available upon request. Flat Panel Filters can be manufactured to any customised dimension not listed to suit any specialised applications. Non-standard filters may result in a higher pressure drop and lower dust capacity.

Recommended operational face velocity: 1.8 m/s
 Recommended final pressure drop – G2: 125 Pa
 Recommended final pressure drop – G3/G4: 250 Pa



Data based on clean air flow at 25°C. Applies for standard nominal 22 mm thick Flat Panel Filters. This graph should be used for guidance only and its accuracy is dependent on the application. The final suitability of the filter is the sole responsibility of the user(s).

Claim

To our best knowledge at present time, information contained herein is accurate. We do not assume any liability whatsoever for the accuracy and completeness of the information contained here within. Therefore final determination of suitability of any material is the sole responsibility of the user(s). Recipients of our products must take necessary measures and responsibilities in order to comply with related local government regulations and laws.