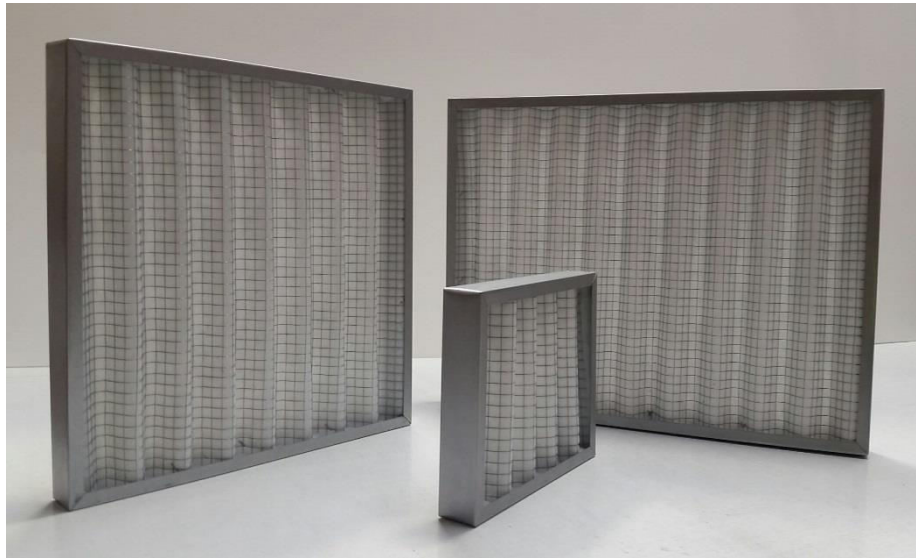


# PEARL FILTRATION

## PLEATED PANEL FILTER - WASHABLE PNV SERIES



### **General Description**

Pearl Filtration's Washable Pleated Panel Filter (or V-Form) offers a higher filter surface area per square metre than a Flat Panel Filter, which allows them to operate with a lower pressure drop. Pleated Panel Filters are commonly used in non-critical or pre-filter applications, in order to protect a secondary filter.

### **Construction**

Standard nominal 48 mm filter frames are manufactured in Aluminised Steel. Nominal 95 mm frames are manufactured in Galvanised Steel. All frames are cold-formed to shape and secured with pop rivets.

The filter media installed in the frame is G4 rated, with other media ratings available upon request. The media is held in place with galvanised mesh on both sides.

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

### **Cleaning and Maintenance**

Pleated 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.

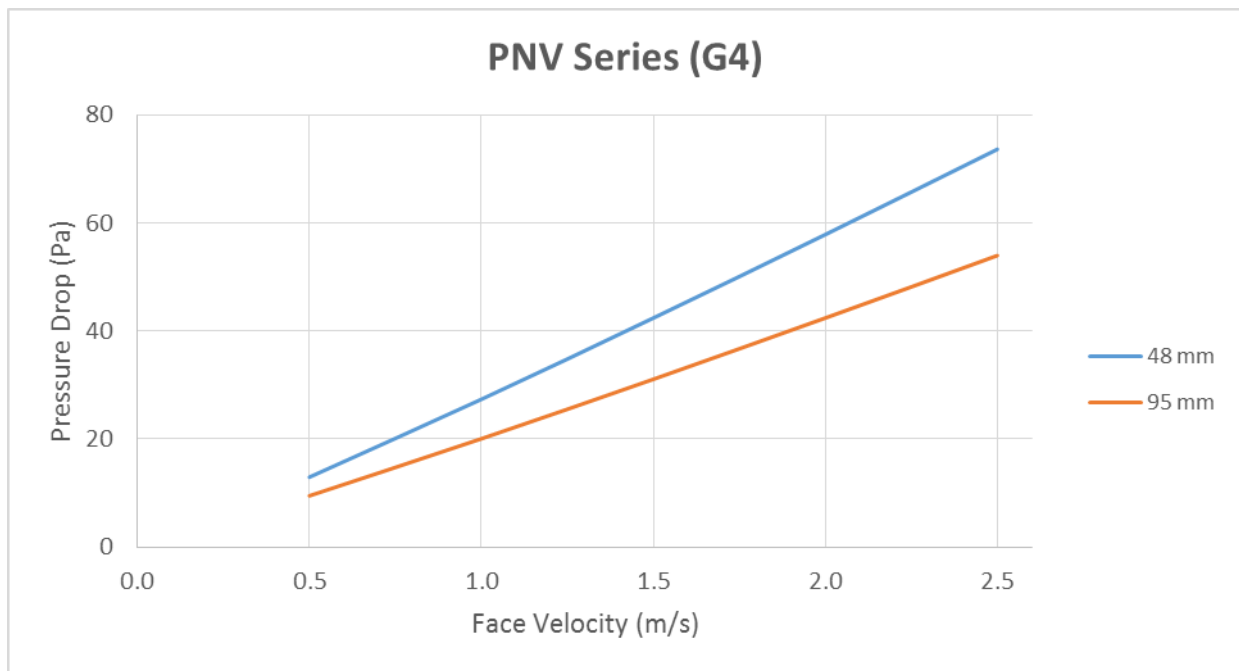
## Performance

Dimensions (mm)	Airflow capacity (L/s) @ 1.8 m/s	G4 - Pressure Drop (Pa) @ 1.8 m/s	Airflow capacity (L/s) @ 2.54 m/s	G4 - Pressure Drop (Pa) @ 2.54 m/s
295 × 595 × 48	335	52	473	75
395 × 495 × 48	371	52	524	75
395 × 595 × 48	446	52	629	75
395 × 622 × 48	464	52	655	75
495 × 495 × 48	465	52	655	75
495 × 595 × 48	558	52	787	75
495 × 622 × 48	581	52	819	75
495 × 750 × 48	697	52	983	75
595 × 595 × 48	670	52	945	75
295 × 595 × 95	335	38	473	55
395 × 495 × 95	371	38	524	55
395 × 595 × 95	446	38	629	55
395 × 622 × 95	464	38	655	55
495 × 495 × 95	465	38	655	55
495 × 595 × 95	558	38	787	55
495 × 622 × 95	581	38	819	55
495 × 750 × 95	697	38	983	55
595 × 595 × 95	670	38	945	55

Pleated Panel Filters are available in all the above sizes in either 48 mm or 95 mm nominal thicknesses. Frames 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 airflow capacity.

Airflow capacity is achieved when filter is installed within a HF Series Holding Frame. Holding Frames are available to suit all standard sizes.

Recommended max. face velocity: 2.54 m/s  
 Recommended final pressure drop: 250 Pa



Data based on clean air flow at 25°C. Applies for standard Pleated Panel Filters of G4 media. 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.