

Application

PANFIL Metal frame filters are designed for commercial and light - medium industrial applications. They can be used in general air filtration systems and as pre-filtration to protect more expensive higher efficiency filters. They are particularly applicable in humidity or coastal areas where disposable filters are quickly degraded and in applications which demand higher airflow through the filters.

Advantages

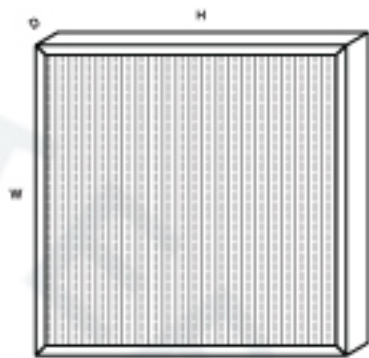
- High dust holding capacity
- Fully cleanable and reusable
- Robust construction for high velocity operation
- Unaffected by high humidity
- Inert to most chemicals and fumes
- No risk to media migration
- Range of efficiencies



PRE FILTERS PANFIL METAL FRAME

| Properties                    |                                             |               |
|-------------------------------|---------------------------------------------|---------------|
| UNI EN 779 class              | G3                                          | G4            |
| EUROVENT class DIN24185       | EU3                                         | EU4           |
| Average Arrestance $A_m$ in % | $80 \leq A_m < 90$                          | $90 \leq A_m$ |
| Final Pressure Drop           | 250 Pa                                      | 250 Pa        |
| Max. Operating Temperature    | 80°C                                        | 80°C          |
| Frame                         | Metal , Plastic                             |               |
| Media                         | Polyester Syntnhetic Fibre-Polyurethane PPI |               |
| Type                          | PANFIL Metal Frame                          |               |
| Fire Resistance Class         | K1/F1 according to DIN 53438                |               |
| Filter Stage                  | I - II                                      |               |

Max Recommended Face Velocity: 5 m/sec



| Code/Dimensions<br>WxHxD | Media    |         | Airflow Capacity m³/h @ Resistance (Pa) |    |           |    |           |    |
|--------------------------|----------|---------|-----------------------------------------|----|-----------|----|-----------|----|
|                          | Pleats # | Area m² | 1,5 m/sec                               |    | 2,5 m/sec |    | 3,2 m/sec |    |
| PF-GSZ-287x287x45-G3     | 4        | 0.2     | 500                                     | 30 | 850       | 45 | 1000      | 55 |
| PF-GSZ-500x500x45-G3     | 10       | 0.6     | 1500                                    | 30 | 2400      | 45 | 3000      | 55 |
| PF-GSZ-500x625x45-G3     | 13       | 0.7     | 1800                                    | 30 | 2400      | 45 | 3700      | 55 |
| PF-GSZ-592x287x45-G3     | 6        | 0.4     | 1000                                    | 30 | 1750      | 45 | 2100      | 55 |
| PF-GSZ-592x490x45-G3     | 10       | 0.6     | 1700                                    | 30 | 2400      | 45 | 3500      | 55 |
| PF-GSZ-592x592x45-G3     | 12       | 0.8     | 2000                                    | 30 | 3400      | 45 | 4200      | 55 |
| PF-GSZ-287x287x95-G3     | 4        | 0.4     | 500                                     | 25 | 850       | 30 | 1000      | 45 |
| PF-GSZ-500x500x95-G3     | 10       | 1.2     | 1500                                    | 25 | 2400      | 30 | 2900      | 45 |
| PF-GSZ-500x625x95-G3     | 13       | 1.4     | 1800                                    | 25 | 3000      | 30 | 3700      | 45 |
| PF-GSZ-592x287x95-G3     | 6        | 0.8     | 1000                                    | 25 | 1700      | 30 | 2000      | 45 |
| PF-GSZ-592x490x95-G3     | 10       | 1.2     | 1700                                    | 25 | 2800      | 30 | 4000      | 45 |
| PF-GSZ-592x592x95-G3     | 12       | 1.6     | 2000                                    | 25 | 3400      | 30 | 4200      | 45 |
| PF-GSZ-287x287x45-G4     | 4        | 0.2     | 500                                     | 35 | 850       | 50 | 1000      | 60 |
| PF-GSZ-500x500x45-G4     | 10       | 0.6     | 1500                                    | 35 | 2400      | 50 | 3000      | 60 |
| PF-GSZ-500x625x45-G4     | 13       | 0.7     | 1800                                    | 35 | 3000      | 50 | 3700      | 60 |
| PF-GSZ-592x287x45-G4     | 6        | 0.4     | 1000                                    | 35 | 1700      | 50 | 2100      | 60 |
| PF-GSZ-592x490x45-G4     | 10       | 0.6     | 1700                                    | 35 | 2800      | 50 | 3500      | 60 |
| PF-GSZ-592x592x45-G4     | 12       | 0.8     | 2000                                    | 35 | 3400      | 50 | 4200      | 60 |
| PF-GSZ-287x287x95-G4     | 4        | 0.4     | 500                                     | 30 | 850       | 40 | 1000      | 55 |
| PF-GSZ-500x500x95-G4     | 10       | 1.2     | 1500                                    | 30 | 2400      | 40 | 3000      | 55 |
| PF-GSZ-500x625x95-G4     | 13       | 1.4     | 1800                                    | 30 | 3000      | 40 | 3700      | 55 |
| PF-GSZ-592x287x95-G4     | 6        | 0.8     | 1000                                    | 30 | 1700      | 40 | 2100      | 55 |
| PF-GSZ-592x490x95-G4     | 10       | 1.2     | 1700                                    | 30 | 2800      | 40 | 3500      | 55 |
| PF-GSZ-592x592x95-G4     | 12       | 1.6     | 2000                                    | 30 | 3400      | 40 | 4200      | 55 |

PRODUCT CODE

P F • G S Z • w / h / d • G 4

|                         |                                                          |                                                   |                                  |                                                              |                        |
|-------------------------|----------------------------------------------------------|---------------------------------------------------|----------------------------------|--------------------------------------------------------------|------------------------|
| Filter Model: PF-PANFIL | Frame Type: G-Debossed<br>A-Aluminium T-Galvanized Steel | Filter Media: S-Synthetic Fibre<br>O-Polyurethane | Pleat Type: L-Straight Z-Zig Zag | Dimensions: 500x500x45mm<br>40-49-50-60-68mm depth available | Efficiency: G2, G3, G4 |
|-------------------------|----------------------------------------------------------|---------------------------------------------------|----------------------------------|--------------------------------------------------------------|------------------------|

FILTER DESCRIPTION

PANFIL Metal Frame filters are made from polyester synthetic media, two size by welded galvanized wire mesh. To increase the surface area and provide rigidity, this structure is corrugated and retained in a metal frame. Depending on the environmental conditions of operation, frames may be constructed from either galvanized or stainless steel. They are produced in 40mm,45mm, 48mm,95mm,98mm thickness. Different grades of media are available to provide G2, G3, G4 efficiency options.

