

# Compact filter PM1 80%



| Filter class acc. to ISO 16890<br>EN 779:2012 | Particle efficiency  | Energy consumption | Energy class<br><small>Threshold reference scale year 2019: (RS 4/C/001-2019)</small> |
|---|--|--------------------|---|
| ISO ePM1 80%<br>F9                            | ePM <sub>1</sub> 80 %<br>ePM <sub>2,5</sub> 84 %<br>ePM <sub>10</sub> 94 % | 1.249 kWh/year     | A   |



Similar to picture

### Operating conditions:

|   |                         |
|---|-------------------------|
| Max. humidity resistance                    | 100 %                   |
| Max. temperature                            | 60 °C                   |
| Recommended final pressure drop             | 650 Pa                  |
| Max. airflow<br>(Full size 592 x 592 x 292) | 5.000 m <sup>3</sup> /h |
| Fire behaviour                              | DIN 53438 - 3 (F1)      |

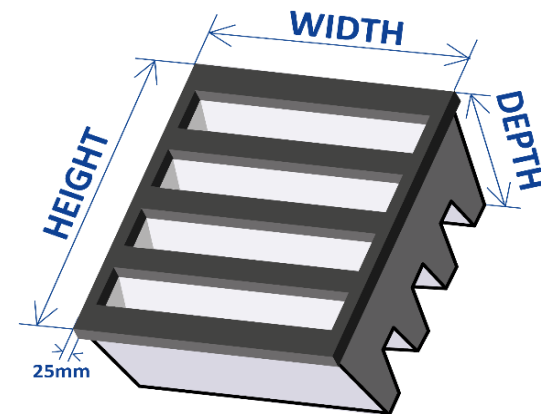
Medium

High performance nonwoven fabric

Media color



White

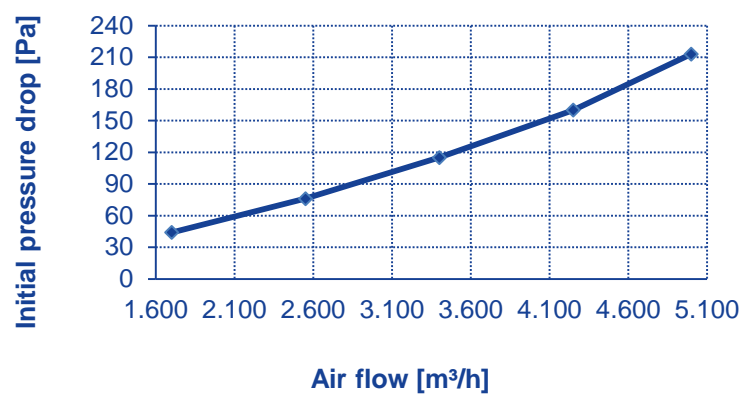


| WIDTH<br>[mm] | HEIGHT<br>[mm] | DEPTH<br>[mm] | Number of V's | Filter area<br>[m <sup>2</sup> ] | Recommended nominal air flow<br>[m <sup>3</sup> /h] | Initial pressure drop<br>[Pa] |
|---------------|----------------|---------------|---------------|----------------------------------|---|-------------------------------|
| <b>592</b>    | <b>592</b>     | <b>292</b>    | <b>4</b>      | <b>19</b>                        | <b>3.400</b>  | <b>115</b>                    |
| 490           | 592            | 292           | 4             | 15,0                             | 2.700   | 115                           |
| 287           | 592            | 292           | 4             | 9,5                              | 1.700   | 115                           |

### Product benefits:

- Shatter proof synthetics fibres
- High dust holding capacity and service life
- The pleated filter packs are arranged in a V-shape
- Stable construction due the ultrasonic welded plastic housing
- Suitable for high air flows
- Filter media tested according to OEKO-TEX® Standard 100 for harmful chemical substances (17.0.25812)
- For use in air-conditioning and ventilation systems of all kinds as well as in painting technology

### Initial pressure drop 592x592x292



### Versions:

- All frame components are made from plastic
- Standard sizes with depth 292 mm
- Available option with abrasion-resistant hygiene-gasket
- Available option as **biostatic version**: the biostat agent "Silver-Phosphate-Glass" (BIOCIDE) prevents odors and the formation of microorganisms on the filter which is harmful to the health



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