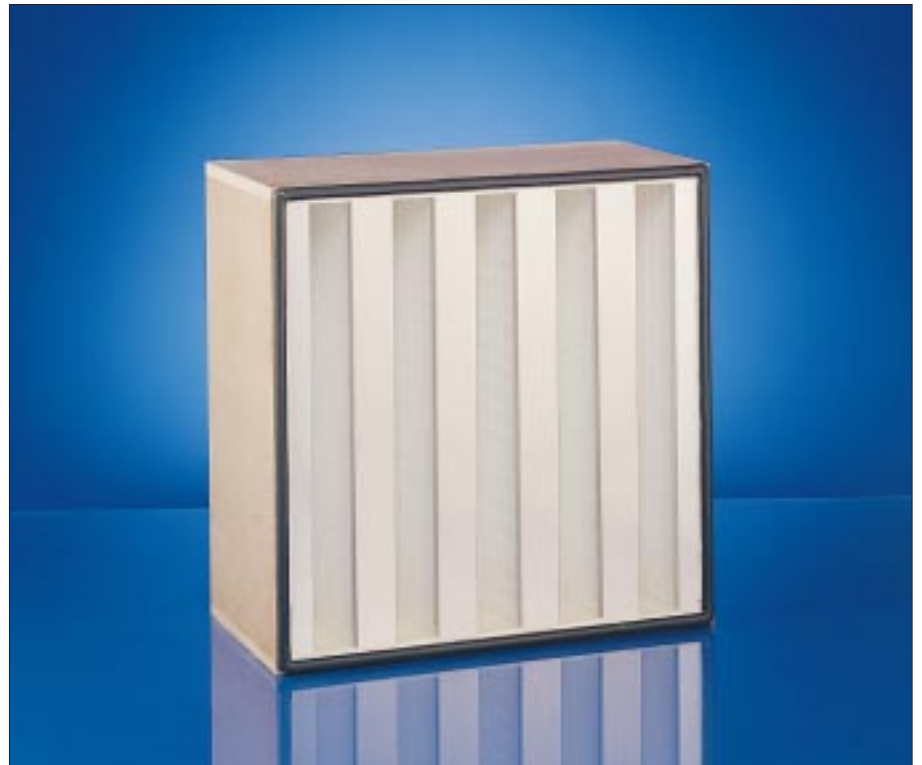




# AstroCel® III 3400 MDF

High Efficiency Particulate Air Filters

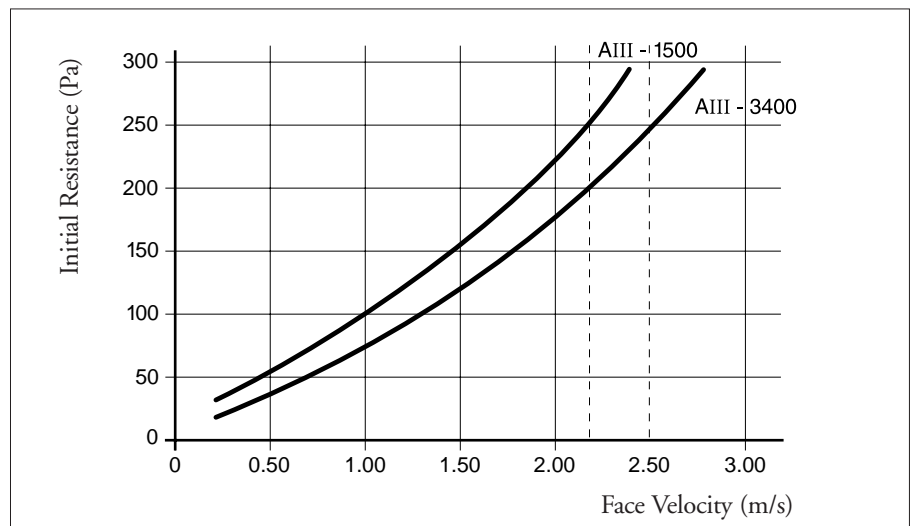
- H12 and H13 in accordance with EN1822
- 3400 m<sup>3</sup>/h air volume saves space
- Low energy consumption
- Non-shedding construction



AstroCel III is classified H12 or H13 in accordance with EN1822. The filter displays excellent efficiency on fine particulate matter and is designed for use in high air volume applications upto 3400 m<sup>3</sup>/h. Due to its high capacity the filter has several benefits: in new installations, fewer filters are required to handle the same volume of air compared to HEPA filters of the same size with a lower capacity. As a result, less installation space is required and installation time is significantly reduced. In existing installations, the filter's high media area ensures a low pressure drop which reduces energy costs. Other benefits include:

- high quality MDF cell sides ensure a smooth, non-shedding construction
- easy installation

## Resistance vs Face Velocity





# AstroCel®III 3400 MDF

An AstroCel III 3400 can be ordered using the following Component Code Definition System. Use the table to specify a product suitable to your application requirements.

## Selection Table

| Item | Component          | Component Code Definition*   |
|------|--------------------|--|
| A    | Type of Filter     | <b>A39 = AstroCel III</b>  |
| B    | Media              | <b>A = Waterproof glass fibre</b>  |
| C    | Cell Sides**       | <b>72 = MDF</b>  |
| D    | Separators         | <b>C = Thermoplastic</b>   |
| E    | Bond               | <b>9 = Polyurethane cold cured resin</b>   |
| F    | Gasket             | P = No gasket<br><b>S = Polyurethane foam, half round profile, one piece</b>                   |
| G    | Gasket Location    | 0 = No gasket<br><b>2 = One face</b>   |
| H    | Acceptance Level   | <b>G = H12 Min. 99.5% @ MPPS acc. to EN1822 **</b><br>H = H13 Min. 99.5% @ MPPS acc. to EN1822 |
| I    | Faceguard Location | <b>0 = No faceguard</b>  |
| K    | Options            | Consult local sales office   |

\* **Bold typeface:** standard execution

\*\* Non leaktested filter

For 4000 and NG execution consult specification sheets RA-3-129 en RA-3-124.

## How to Order

Below a typical example of how to order a standard AstroCel III 3400 filter using the Component Code Definition System.

| Item                        | A          | B        | C         | D        | E        | F        | G        | H        | I        | K        |
|-----------------------------|------------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|
| <b>Component Definition</b> | <b>A39</b> | <b>A</b> | <b>72</b> | <b>C</b> | <b>9</b> | <b>S</b> | <b>2</b> | <b>G</b> | <b>0</b> | <b>-</b> |

## Standard Sizes and Ratings

| Size in mm without gasket |     |     | Nominal airflow |
|---------------------------|-----|-----|-----------------|
| H                         | W   | D   | m³/h            |
| 610                       | 305 | 292 | 1500            |
| 610                       | 610 | 292 | 3400            |

### Notes:

- Recommended final resistance 750 Pa.
- Temperature limit 70°C.
- Initial resistance at nominal airflow: 250 Pa.

## Efficiency

| Efficiency | Efficiency EN1822 |        |
|------------|-------------------|--------|
| @ 0.3 µm   | @ MPPS            |        |
| 99.97%     | H12               | 99.5%  |
| 99.99%     | H13               | 99.95% |

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