



# AstroHood S-III RSR-III



## Product Overview

- Visually pleasing room side design
- Extruded aluminium material with fully welded corners, providing a leak free constructions
- Available for gasket or gel seal filter
- Tool free filter and supply air grille installation
- Prefixed air entry distribution plate
- Hygienic design - no gap between supply air grille and module
- Standard and high capacity filters are interchangeable
- Perforated or Swirl supply air grille available
- No centre divider - increase filter area and unrestricted airflow uniformity
- Patent pending test port providing excellent airflow uniformity

## Filter Specification

|                              |                              |
|------------------------------|------------------------------|
| EN1822                       | H13 - U17                    |
| ISO 29463                    | ISO 35 H - ISO 75 U          |
| Filter Depth (mm)            | 117, 128                     |
| Media Type (Standard)        | Fibreglass                   |
| Media Type (Optional)        | ePTFE, eFRM                  |
| Frame Material               | Aluminium                    |
| Seperator Style              | Hot Melt                     |
| Gasket Material (Standard)   | PU, PU Gel                   |
| Gasket Material (Optional)   | Neoprene, EPDM, Silicone Gel |
| Gasket Position              | Upstream                     |
| Faceguard Position           | Both Sides                   |
| Antimicrobial Available      | No                           |
| Recommended Final Resistance | 500 Pa                       |
| Max Operating Temperature    | 70°C                         |
| Air Filtration Certificate   | UL 900, FM 4920,             |

## Housing Specification

|                                       |                               |
|---------------------------------------|-------------------------------|
| Housing Depth (mm)                    | 258                           |
| Housing Material                      | Aluminium                     |
| Supply Air Grille                     | Perforated, Swirl             |
| Supply Air Grille Material (Standard) | GI Finished with Epoxy Coated |
| Supply Air Grille Material (Optional) | Stainless Steel               |
| Inlet Collar (mm)                     | 200, 250, 300                 |
| Inlet Diffuser                        | Prefixed Distribution Plate   |
| Top Material (Standard)               | Galvalume                     |
| Top Material (Optional)               | Aluminium, Stainless Steel    |
| Special Size Available                | Yes                           |

## Housing Information

| Part Number                | Actual Module Size<br>mm<br>(H x W x D) | Actual Filter Size<br>mm<br>(H x W x D) | Supply<br>Air<br>Grille |
|----------------------------|---|---|-------------------------|
| <b>Gasket seal housing</b> |   |   |                         |
| M13D2-11G30-319GP          | 570 x 570 x 258                         | 502 x 502 x 117                         | Perforated              |
| M13D2-11G30-1811GP         | 570 x 900 x 258                         | 502 x 832 x 117                         |                         |
| M13D2-12G30-2812GP         | 570 x 1140 x 258                        | 502 x 1072 x 117                        |                         |
| M13D2-11G30-319GS          | 570 x 570 x 258                         | 502 x 502 x 117                         | Swirl                   |
| <b>Gel seal housing</b>    |   |   |                         |
| M13G2-11G30-319GP          | 570 x 570 x 258                         | 506 x 506 x 128                         | Perforated              |
| M13G2-11G30-1811GP         | 570 x 900 x 258                         | 506 x 836 x 128                         |                         |
| M13G2-12G30-2812GP         | 570 x 1140 x 258                        | 506 x 1076 x 128                        |                         |
| M13G2-11G30-319GS          | 570 x 570 x 258                         | 506 x 506 x 128                         | Swirl                   |

**Filter Information**

| Part Number           | Actual Filter Size<br>mm<br>(H x W x D) | Rated<br>Airflow<br>(CMH) | Rated Initial<br>Resistance<br>(Pa) | Gasket<br>Material |
|-----------------------|---|---------------------------|-------------------------------------|--------------------|
| <b>H13 / ISO 35 H</b> |   |                           |                                     |                    |
| MF5742-1131-1793      | 502 x 502 x 117                         | 600                       | 135                                 | PU                 |
| MF5742-1131-2810      | 502 x 832 x 117                         | 900                       |                                     |                    |
| MF5742-1131-2825      | 502 x 1072 x 117                        | 1,200                     |                                     |                    |
| MF5744-1131-1793      | 502 x 502 x 117                         | 1,050                     | 200                                 |                    |
| MF5744-1131-2810      | 502 x 832 x 117                         | 1,650                     |                                     |                    |
| MF5744-1131-2825      | 502 x 1072 x 117                        | 2,200                     |                                     |                    |
| MF5042-4131-2928      | 506 x 506 x 128                         | 600                       | 135                                 | PU Gel             |
| MF5042-4131-2929      | 506 x 836 x 128                         | 900                       |                                     |                    |
| MF5042-4131-2930      | 506 x 1076 x 128                        | 1,200                     |                                     |                    |
| MF5044-4131-2828      | 506 x 506 x 128                         | 1,050                     | 200                                 |                    |
| MF5044-4131-2829      | 506 x 836 x 128                         | 1,650                     |                                     |                    |
| MF5044-4131-2830      | 506 x 1076 x 128                        | 2,200                     |                                     |                    |
| <b>H14 / ISO 45 H</b> |   |                           |                                     |                    |
| MF5752-1131-1793      | 502 x 502 x 117                         | 600                       | 145                                 | PU                 |
| MF5752-1131-2810      | 502 x 832 x 117                         | 900                       |                                     |                    |
| MF5752-1131-2825      | 502 x 1072 x 117                        | 1,200                     |                                     |                    |
| MF5754-1131-1793      | 502 x 502 x 117                         | 1,050                     | 210                                 |                    |
| MF5754-1131-2810      | 502 x 832 x 117                         | 1,650                     |                                     |                    |
| MF5754-1131-2825      | 502 x 1072 x 117                        | 2,200                     |                                     |                    |
| MF5052-4131-2928      | 506 x 506 x 128                         | 600                       | 145                                 | PU Gel             |
| MF5052-4131-2929      | 506 x 836 x 128                         | 900                       |                                     |                    |
| MF5052-4131-2930      | 506 x 1076 x 128                        | 1,200                     |                                     |                    |
| MF5054-4131-2928      | 506 x 506 x 128                         | 1,050                     | 210                                 |                    |
| MF5054-4131-2929      | 506 x 836 x 128                         | 1,650                     |                                     |                    |
| MF5054-4131-2930      | 506 x 1076 x 128                        | 2,200                     |                                     |                    |

*FM 4920 certificate is only applicable to filters with both silicon gel and dry seal gaskets applied to fibreglass media.*

*\*Filter sitting area corner of the module that is smaller than 570x570mm will be PU sealed and not welded.*

*\*\*Other filter classifications are available upon request.*