

AstroFan CleanZone® DFU

Self contained Down Flow Unit

- *Self contained unit*
- *Modular design*
- *Standard sizes*
- *Ready for use*
- *For ISO.EN 14644-1 class 5 or better*



Top view

AstroFan CleanZone® DFU are designed to meet the growing demand for ready to use, quick supply, self-contained clean zones in many industry segments.

Today Clean-room requirements are spreading rapidly over virtually all sectors of industry and local CleanZone® is the cost-effective answer to the need for local laminar down flow units.

Construction

Ledge-free anodized aluminium extrusion Cleanroom profiles are forming the base frame holding the AstroFan FFU. Three sides of the base frame are fitted with fixed acrylic shields, while the entrance zone is provided with PVC stripe curtains. The

AstroFan FFU provides nearly particle free air into the CleanZone® creating a laminar down flow cleanroom environment.

The air leaves the Clean-Zone® underneath the shields / curtain and recirculates into the surrounding environment

Execution

Standard execution comprises acrylic shields and PVC stripe curtains as enclosure. The AstroFan FFU is equipped with a single phase, 230 V 50 Hz drive motor, complete with 5-step or stepless controller. A class H14 HEPA filter provides the required cleanliness for ISO.EN 14644-1 class 5 operation. Internal lighting is furnished as a 36 W fluorescent light.

Standard options

- Perforated polypropylene worktable
- Cooling coils
- Prefilter arrangement and prefilters
- ULPA grade filters

Customized options

- Polycarbonate shields
- Security glass shields
- Anti-static execution
- Ionization
- Softwall design
- Pharma execution
- 400V / 3 phase / 50 Hz operation
- 60 Hz motors and controllers

Better Air is Our Business®



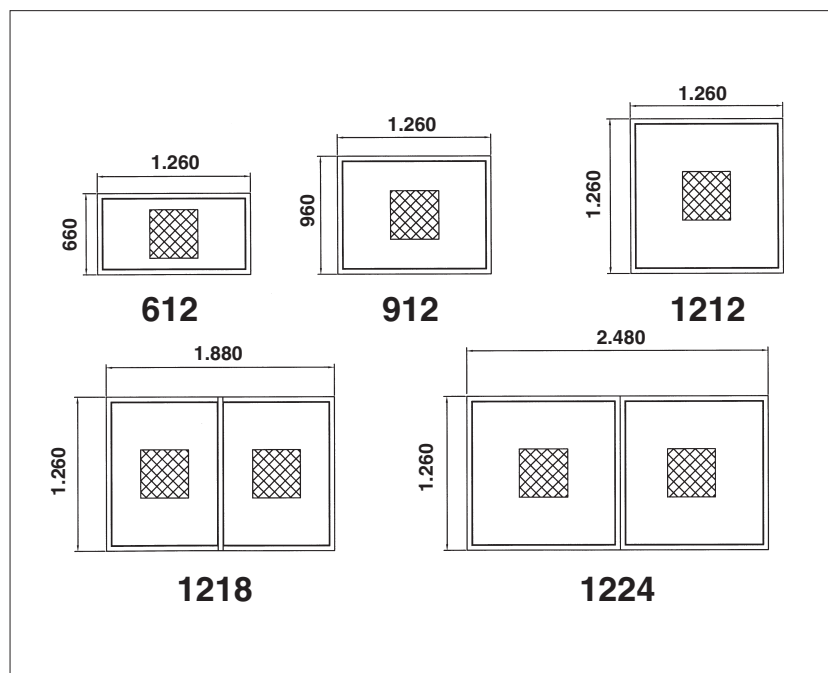
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Performance Data

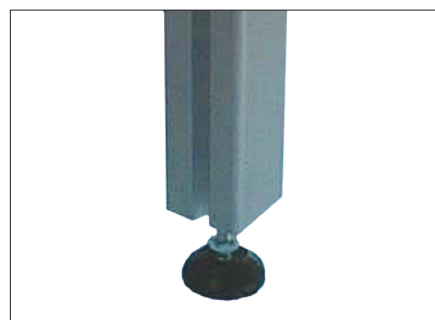
| Size | 612 | 912 | 1212 | 1218 | 1224 |
|-------------------------------------|--------------|--------------|--------------|-------------------|-------------------|
| Airflow (m3/h / m3/s) | 1200/ | 1750/ | 2300/ | 3500/ | 4600/ |
| Dimensions L x W (mm x mm) | 659x1250 | 950x1250 | 1250x1250 | 1250x1900 | 1250x2500 |
| Height inside/outside (mm) | 2500/2900 | 2500/2960 | 2500/2960 | 2500/2960 | 2500/2960 |
| HEPA filter, class H14 to EN1822 | 570x1170x86 | 870x1170x86 | 1170x1170x86 | 870x1170x86 (2x) | 1170x1170x86 (2x) |
| Fan Data | | | | | |
| AC 230 V / 1~ / 50 Hz | 0.29kW/1.3A | 0.52kW/2.2A | 0.68kW/3.0A | 0.52kW/2.2A (2x) | 0.68kW/3.0A (2x) |
| AC 400 V / 3~ / 50 Hz | 0.23kW/0.55A | 0.43kW/0.88A | 0.61kW/1.18A | 0.43kW/0.88A (2x) | 0.61kW/1.18A (2x) |
| Approx. weight (kg) | 50 | 75 | 100 | 140 | 185 |

Other sizes upon request.

Standard Sizes and Dimensions



Detail control switch



Detail adjustable legs

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