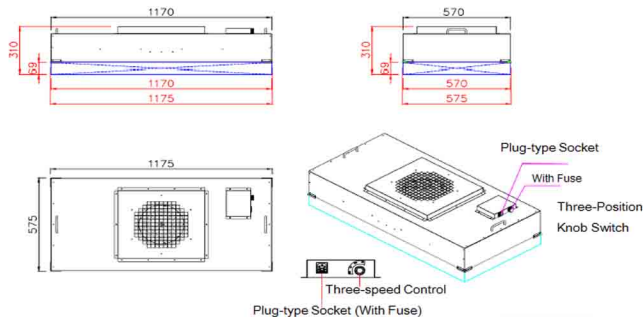


Fan Filter Unit



◆ Product Description

An FFU refers to an end-of-line purification equipment with its own power supply, formed by combining a fan and a filter (HEPA or ULPA). It is a modular end-of-line air supply device that is self-powered and has filtering functions.

- High-efficiency filtration and precise cleanliness control
- Modular design and flexible deployment capability
- Intelligent control and energy efficiency optimization
- Low noise and high-stability operation
- High reliability and maintenance cost-effectiveness

◆ Product Structure

- The product structure of FFU filters is centered on high-efficiency filtration and stable operation, mainly consisting of a power system with low-noise, shock-absorbing centrifugal fans, a high-efficiency filtration system, and a stainless steel plenum air guide cabinet. It is divided into two structural types: split and integral, supporting ceiling suspension or floor-mounted installation, and equipped with multi-stage sealing to prevent air leakage. It integrates an intelligent control module to realize speed regulation, status monitoring, and electrical safety protection, adapting to the needs of different cleanrooms.

◆ Typical Applications

FFU filters are primarily applicable to scenarios such as electronic semiconductors, pharmaceuticals, medical and food processing, and laboratories. With features including modular design, low noise and low vibration, sealing and air leakage prevention, as well as intelligent speed regulation and monitoring, they meet the cleanliness requirements of key links in various industries.

◆ Typical Product Data and Physical Properties

| Model | FFU-615 | FFU-1175*575 | FFU-1175*1175 |
|-----------------------------|--|--------------|---------------|
| Cabinet Dimensions (MM) | 615*615*250 | 1175*575*250 | 1175*1175*325 |
| HEPA Filter Dimensions (MM) | 610*610*69 | 1170*570*69 | 1170*1170*69 |
| Airflow (m³/h) | 600 | 1000 | 2000 |
| Filtration Efficiency | HEPA99.99%-ULPA99.99995% | | |
| Speed Regulation Function | Five-stage speed regulation/Stepless speed regulation/EC group control | | |
| Power Supply | AC220V 110V/EC 220V | | |
| Noise Level (DB) | ≤54 | ≤53 | ≤55 |

Availability:

| Item# | Model | Size | Weight |
|----------------|---------------|-----------------|--------|
| 1.3.13.03.0048 | FFU-615 | 615*615*250MM | 18kg |
| 1.3.13.03.0049 | FFU-1175*575 | 1175*575*250MM | 25kg |
| 1.3.13.03.0047 | FFU-1175*1175 | 1175*1175*325MM | 46kg |

◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data for reference only.

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