

FFU - FAN FILTER UNIT



Overview

Atritech's Fan Filter Unit is a motorized driven Filter module which provides filtered laminar airflow over a specific area. The aerodynamic designed housing provides optimal airflow by less noise consumption. The FFU units Type EC are equipped by high - tech Blower unit which are controlled by a unique Modbus control system.

Applications

Medical technology/ Pharmaceuticals/ Microelectronics/ Nanotechnology/ Micromechanics/ Bio and Genetic Engineering/ Laboratories/ Food and Beverage Industry/ and many other sterile applications.

Specification:

Unit Frame type: Aluminum, Galvanized or Stainless Steel

Fan Motor: AC or EC fans

Max. Operating Temperature: 75°C

Design: Compact, Separated and Gel type optional

Hepa Filter Media: High quality glass fibre

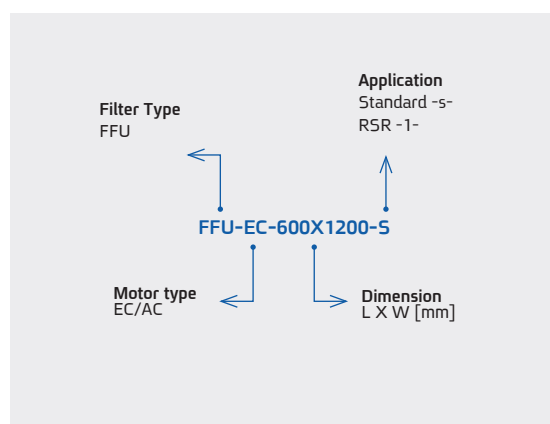
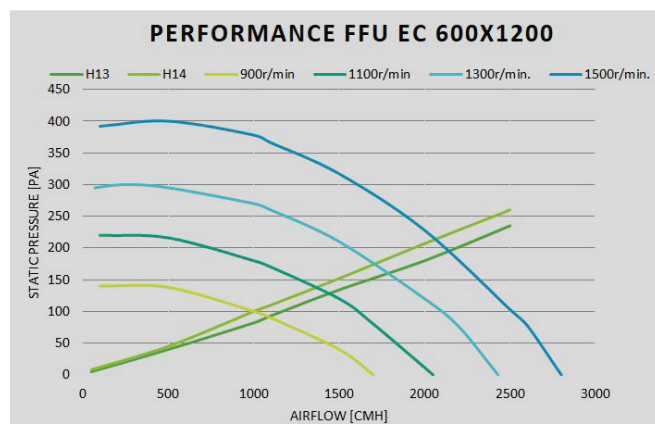
Recommended Prefilters: G4, F7 (EN779-2012)

Recommended Final Pressure Drop: 400 Pa

Advantages:

- Compact and low noise construction
- Superior dynamically balanced design
- 100% Speed control
- Long bearing shelf life
- Low operation cost
- Uniform Velocity
- Flexible dimensions

EC Motor is manufactured in Germany - Ziehl Abegg



Size	mm	600X600	600X900	1200X600	1200X1200
FFU Height	mm	275	275	275	275
Weight (without Filter)	kg	15	17	20	40
AC Motor (IP20)					
Voltage/Phase	V/ph	230/1	230/1	230/1	230/1
Frequency	Hz	50/60	50/60	50/60	50/60
Nominal Current	A	0.4-1.0	0.4-1.1	0.7-1.2	0.9-1.5
Nominal power	W	105	125	145	275
Rotation speed max	1/min	1740	1740	1740	1740
Operation temp.	°C	75	75	75	75
Air Velocity	m/s	0.4	0.4	0.4	0.4
Air Volume	m³/h	520	780	1030	2070
Difference pressure max	Pa	400	400	400	400
Power Consumption	W	110	115	130	230
Sound level	dB(A)	54	54	54	60
EC Motor (IP20)					
Voltage/Phase	V/ph	230/1	230/1	230/1	230/1
Frequency	Hz	50/60	50/60	50/60	50/60
Nominal Current	A	0.4-1.0	0.4-1.0	0.7-1.2	0.9-1.5
Nominal power	W	70	70	105	220
Rotation speed max	1/min	1740	1740	1740	1740
Operation temp.	°C	60	60	60	60
Air Velocity	m/s	0.4	0.4	0.4	0.4
Air Volume	m³/h	520	520	1030	2070
Difference pressure max	Pa	400	400	400	400
Power Consumption	W	65	65	75	160
Sound level	dB(A)	47	47	47	52

Filter Types:

1.) Standard Panel Filter with different Frame Heights.
69mm, 78mm, 110mm, 150mm.

2.) RSR (Room Side Replacement)
Gel Filter Frame Height 175mm

