



FAN FILTER UNIT - AIR-1-HT



Select Type of control	Remote control
Select Type of execution	Standard execution
Select Type of HEPA filter	Separate HEPA filter

Fan Filter Units designed for large size Clean Rooms where the levels of cleanliness, noise and absorption are extremely strict.

The AIR-1-HT series Filter Fan Units offer cutting edge technology for modern Clean Rooms.

KEY FEATURES

- Remote control
- Communication protocols: ebmBUS, LONBUS, profiBUS
- Filtering efficiency: H14, U15, U16
- Dimentions: 6P6, 6P12, 12P12

SKU: N/A



PRODUCT DESCRIPTION

Technical Data

TYPE	FFU dimensions	Grid pitch mm	Power W		Sound level dB(A)	Air Volume	Pressure Pa	Weight Kg
	LxPxH	LxP	Nominale	0,45 m/s 120 Pa	0,45 m/s 120 Pa	m ³ /h	Max	*
6P6	540x540x410	600x600	430	39	49	421	600	15
6P12	540x1140x410	600x1200	430	57	45	917	600	23
12P12	1140x1140x410	1200x1200	370	140	50	1996	350	41

* Filters not included

Power supply 200÷277 Vac - 1N - 50/60 Hz

Coupled Filters

TYPE FFU	TIGHTNESS		EFFICIENCY			HEIGHT mm		
	DRY	WET	H14	U15	U16	66	90	110
6P6	●	●	●	●	●	●	●	●
6P12	●	●	●	●	●	●	●	●
12P12	●	●	●	●	●	●	●	●

● Available

● Not available



Applications

Cleanrooms and Laminar Airflow Systems for the Microelectronic, Electronic, Optical, Mechanical, Aerospace, Pharmaceutica, Medical industries and Hospitals.

Components' description

Container box

in anodised aluminium plate, suitable bent and stiffened to create a strong and rigid structure. •Sound absorbent panels in Cl. M0 mineral wool, covered with protective fabric to prevent any polluting particles being given off .

Radial electric fan

in Cl. M0 mineral wool, covered with protective fabric to prevent any polluting particles being given off.

EC Controller

built into the fan to action, control and regulate it.

Absolute filter

with low pressure drop, available with H14, U15 or U16 class, in accordance to EN1882:2009, frame thickness 66 mm, 90 mm or 110 mm.



Optional accessories

Panel prefilter

G4 Class, in accordance to EN779:2012, fitted into an appropriate anodized aluminium housing.

Heat exchanger in copper/aluminium

max capacity 4kW, fitted into an appropriate anodized aluminium housing.

Software features

- Setting and monitoring of a maximum of 7905 fans.
- Orientations device of the groups of fans.
- 1st level: viewing of the 255 groups on the display.
- 2nd level: viewing of 31 fans per group on the display.
- Remote control per either one fan or all the fans.
- Automatic temperature and pressure control.
- Error message.
- Localising and analysing of error.







