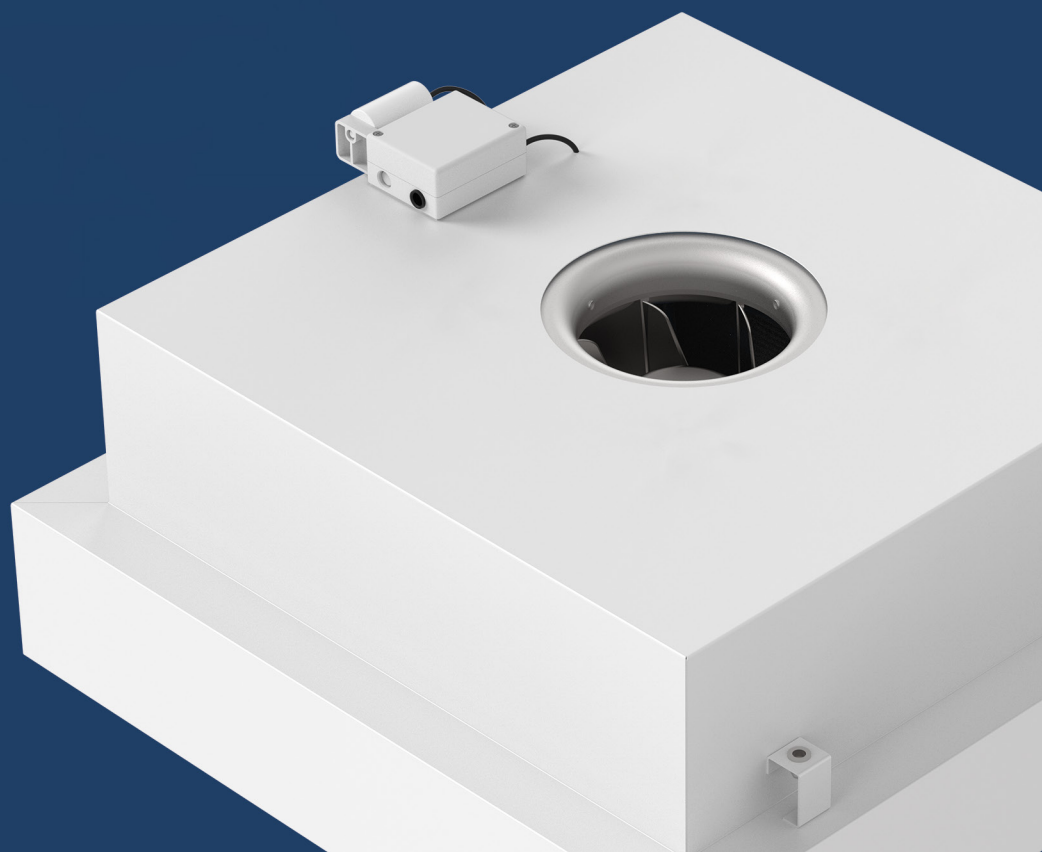
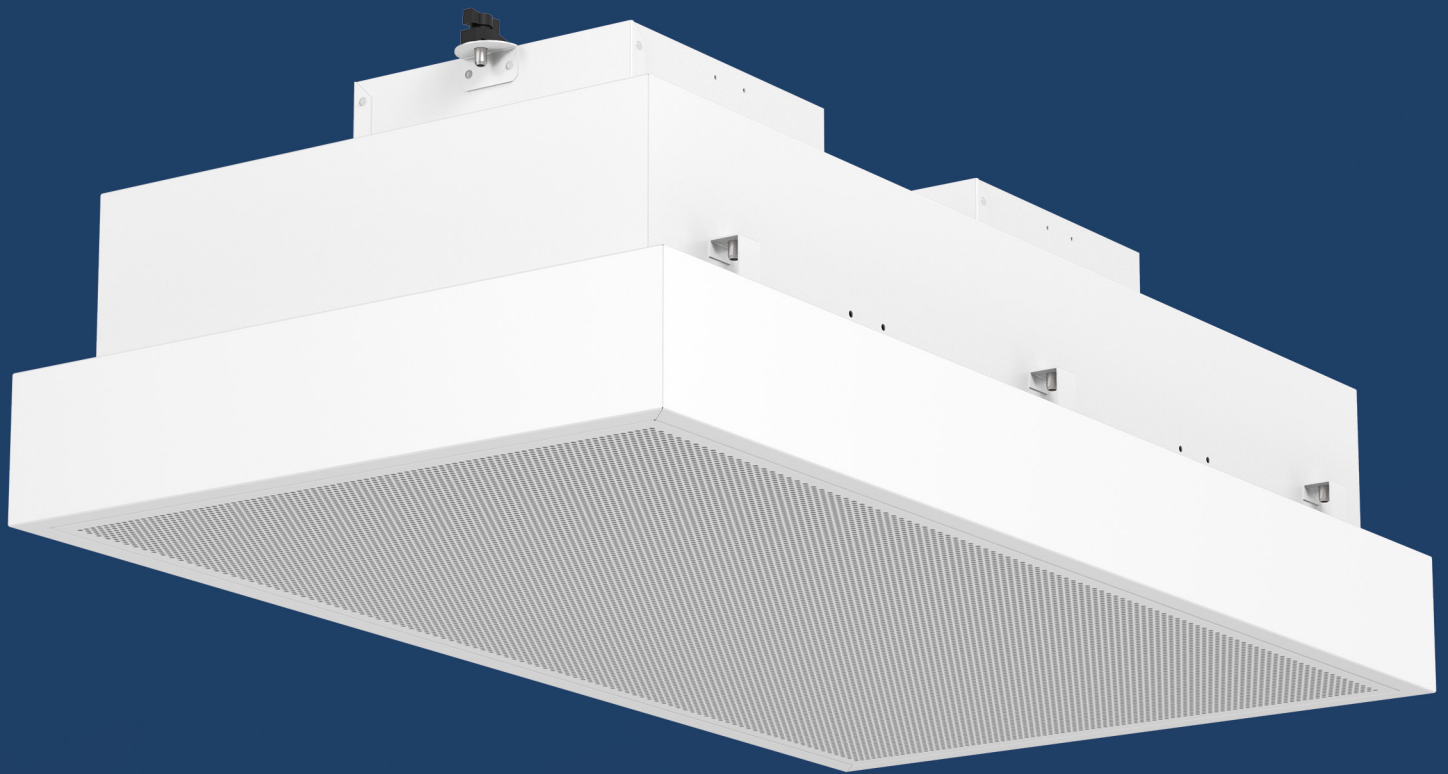


Catalogue - Filtration Units





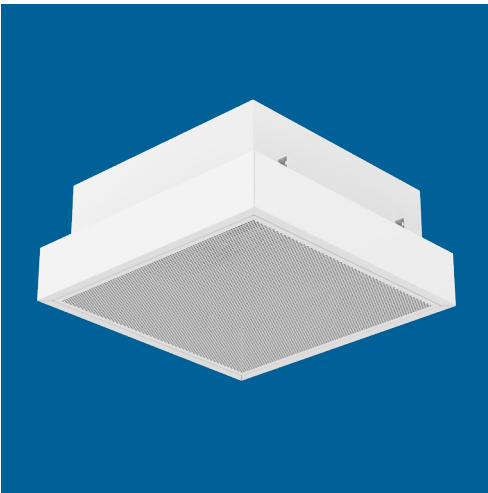
INTRODUCTION

4



APPLICATIONS

5



PRODUCTS

6

Dif-Vent
Dif-Pur

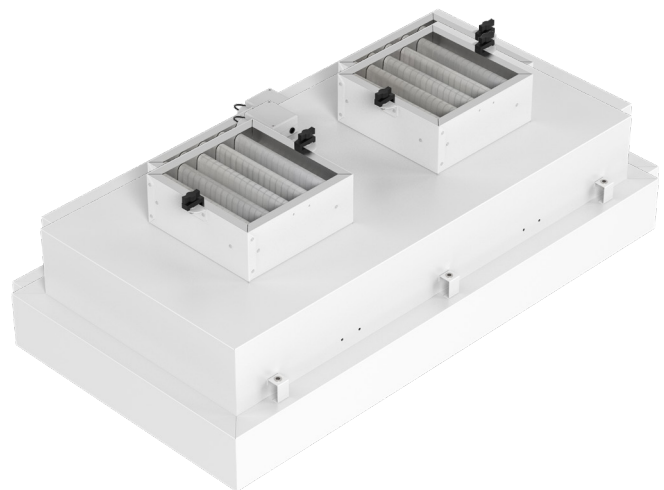
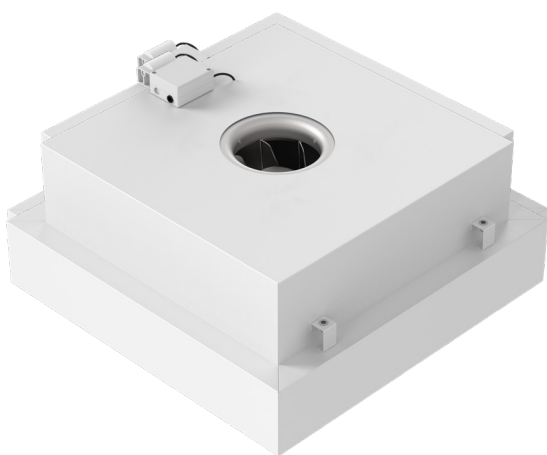
INTRODUCTION

When air sterility is compulsory in certain activities, one of the solutions with which these requirements are obtained are the Dif-Vent and Dif-Pur diffusers, designed by the innovation department of Airtècnics. They are fans with diffusers provided with HEPA and ULPA absolute filtration stages.



Both products are manufactured with energy-efficient external rotor EC motor fans, with adjustable power from 0 to 100%. They have space to house HEPA or ULPA absolute filter with efficiency up to 99.9995%, according to EC1822 standard, and on request they can be configured with G4 filter, according to EC1822 standard.

These devices have a perforated diffuser that generates a smooth laminar flow of contaminant-free air, and can be installed suspended or adapted to false ceilings in T-duct systems.



APPLICATIONS



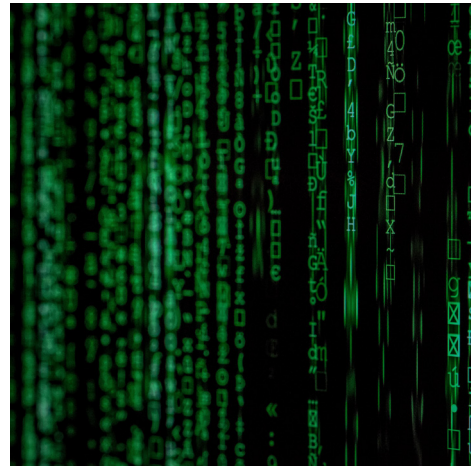
Healthcare



Pharmaceutical industry



Food industry



Technology



Dif-Vent

Air diffuser terminal with fan prepared to house high efficiency HEPA and ULPA absolute filter with 99.95% efficiency.

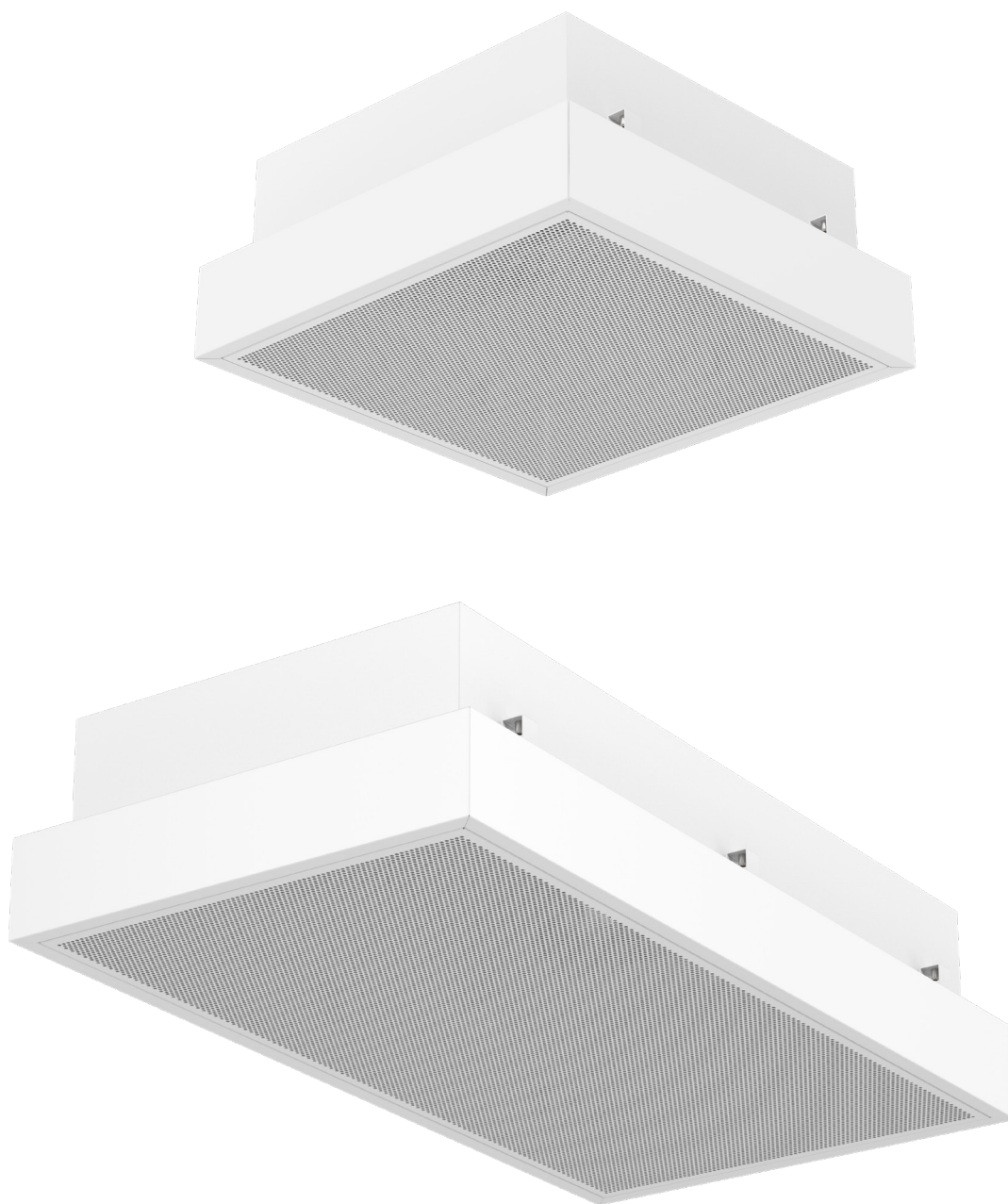
Technical features

Ventilation unit prepared to house absolute filters type minipleat with high efficiency from 99.95% to 99.9995%, corresponding to HEPA H13, H14 and ULPA U15 according to EN1822 standard. Optional: G4 efficiency prefiltration module according to EN779 standard.

Perforated diffuser for laminar flow and RAL 9016 white painted steel surround. Other finishes such as AISI304 stainless steel are available on request.

Backward blade fan with high efficiency and very low consumption external rotor EC motor, electronically adjustable 0-100% via 0-10V.

Suitable for suspended installation or adaptable to false ceilings in the "T" system.

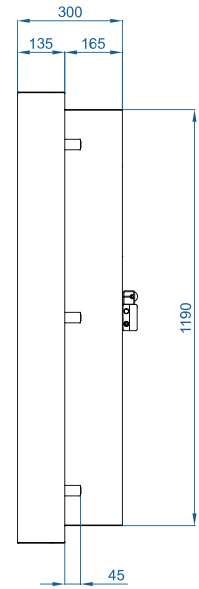
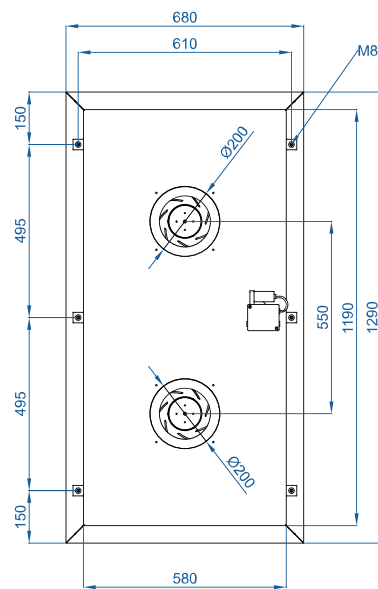
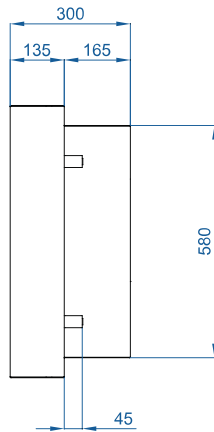
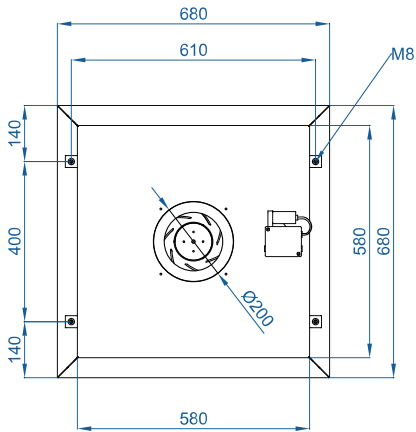
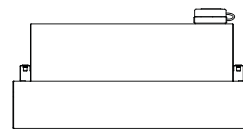




Unit	Airflow (m3/h)	Fans power (230V)(W)	Fans current (230V)(A)	Weight (Kg)	Noise level (a 5m)(dBA)
DIF-VENT 6/6 EC	600	155	1,1	23	51
DIF-VENT 6/12 EC	1200	310	2,2	41	53

Dimensions

Available in two sizes.



DIF-VENT 6/6

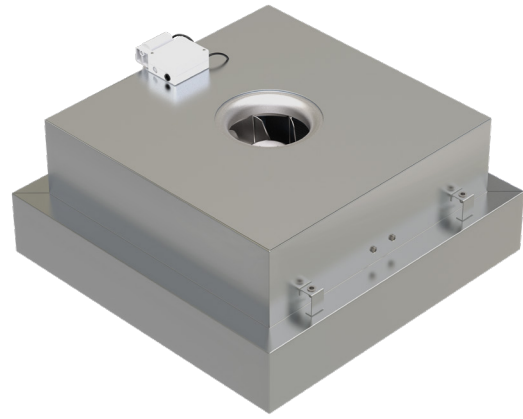
DIF-VENT 6/12

Finishings

The unit is available in two finishes: galvanised steel painted in RAL 9016 or stainless steel AISI304.



Standard RAL 9016

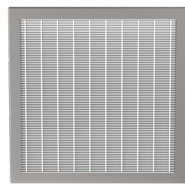


Stainless steel

Accessories



G4 prefilter



Absolute filter H13, H14 or U15



Potentiometer 0-10V



Differential pressure switch



Differential pressure transmitter



IL 200



Dif-Pur

Air diffuser unit, for false ceiling or suspended installation, with high efficiency double stage filtration that generates a smooth flow of clean air.

Technical features

Filtration horizontal unit that creates a low velocity laminar flow purified air barrier, used in high demand applications such as operating rooms and clean rooms.

Laminar flow purification unit with high efficiency gasket with two filtration stages:

- G4 (ZLM) pre-filter according to EN779 standard
- H14 absolute filter type minipleat with efficiency of 99.995% according to standard EN1822 and sealed with polyurethane for filtration of 100% of the air. On request, it can be replaced by a ULPA U15 filter with an efficiency of 99.9995%.

The continuous recirculation of the indoor air through the two filtration stages guarantees the purification of the air by eliminating particles and pollutants such as: dust, pollen, spores, bacteria, viruses and fine particles PM10, PM2.5 and PM1.

Perforated and enveloping diffuser of steel painted in RAL 9016 white. On request, other colours or materials such as AISI304 stainless steel.

Backward blade fan with high efficiency and very low consumption external rotor EC motor, electronically adjustable 0-100% via 0-10V.

Constant airflow controled by special regulation which mesurates air pressure to modify the fan working point and activate dirty filter alarm when it saturates.

Suitable for suspended installation or adaptable to false ceilings in "T" system.

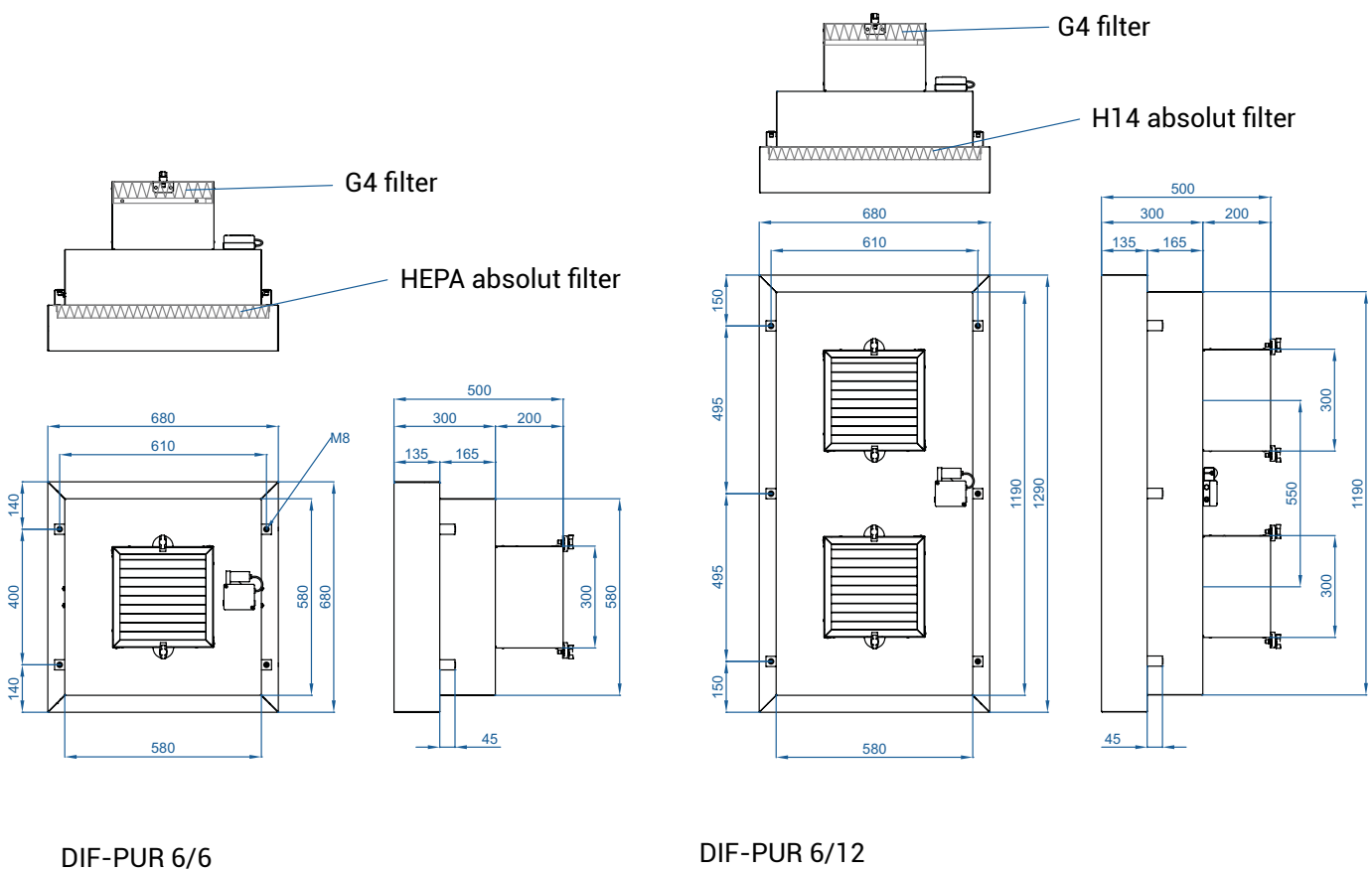




Unit	Airflow (m ³ /h)	Fans power (230V)(W)	Fans current (230V)(A)	Weight (Kg)
DIF-PUR 6/6 EC	600	155	1,1	23
DIF-PUR 6/12 EC	1200	310	2,2	41

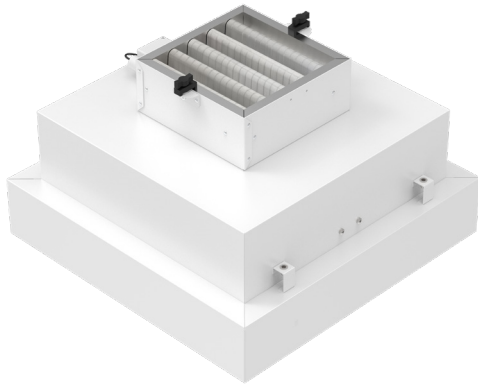
Dimensions

Available in two sizes.

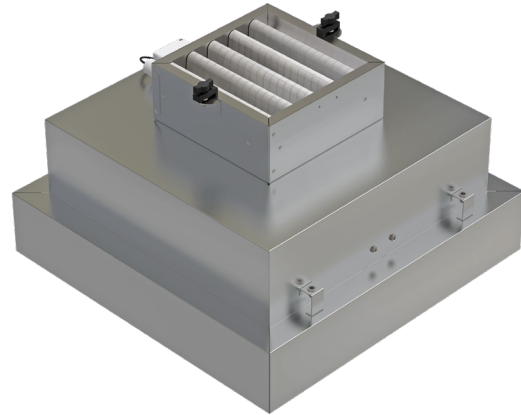


Finishings

The unit is available in two finishes: galvanised steel painted in RAL 9016 or stainless steel AISI304.



Standard RAL 9016



Stainless steel

Accessories



Silentblock support M8



Silentblock angle support

Conca de Barberà, 5 - Pol. Ind. Pla de la Bruguera
E-08211 Castellar del Vallès (Barcelona) Spain
+ 34 93 715 99 88
airtecnics@airtecnics.com

www.airtecnics.com



NOFCAT03306 2024 R0 (21/05)
We reserve the right to modify design and specifications without prior notice.

