



LAMINAR
AIR FLOW
CEILING



Healthcare,
Industry & Research

SCOPE OF APPLICATION

Our range of laminar flow ceilings guarantees ISO 5 cleanliness, ensuring optimal air purity for critical environments.



HEALTHCARE



PHARMACEUTICAL
INDUSTRY



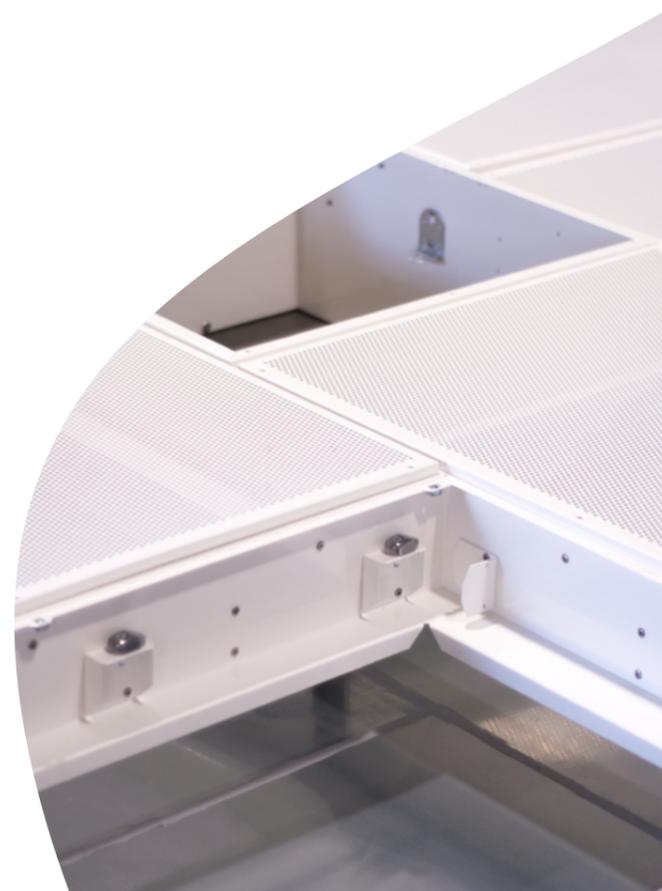
RESEARCH
LABORATORY



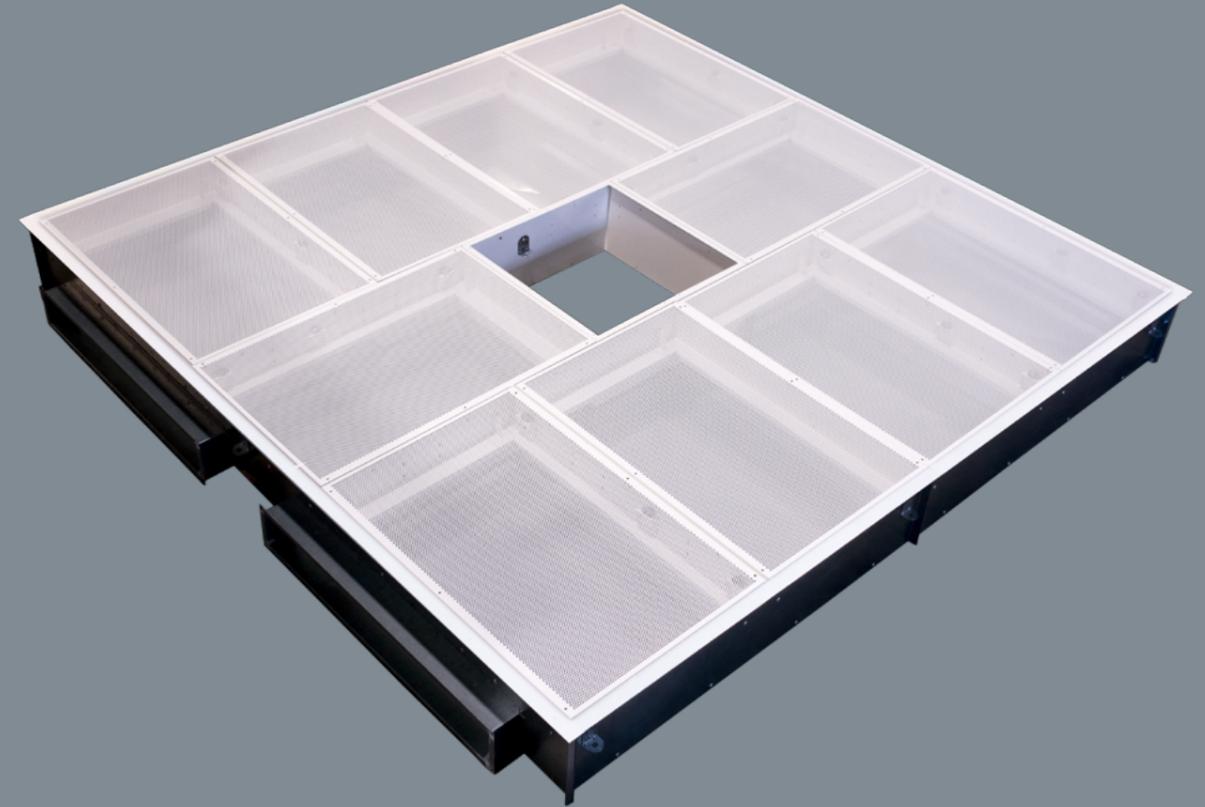
HIGH TECH
INDUSTRY

MADE IN FRANCE

Our ceilings are entirely designed and manufactured in-house, allowing us to meet the highest standards while ensuring full control and traceability throughout the production process.



TECHNICAL DESCRIPTIVE



FEATURES

- Unidirectional air diffusion (velocity between 0.25 m/s and 0.35 m/s).
- Low overall height for easy integration into false ceilings (overall height: 300 mm).
- Pre-assembled ceiling modules, delivered in 2 or 3 parts depending on the dimensions (+ assembly kit provided for multi-part units).
- Pressure tap for differential pressure measurement of H14 filters.
- Built-in injection port for EMERI test.

SHEET METAL WORK

Modular design in electro-galvanized steel with RAL9010 powder-coated finish or in stainless steel. 15/10 mm thick galvanized steel panels for the casing, ensuring rigidity and preventing vibrations.

- 15/10 mm thick steel filter seal contact surface, designed for High-Efficiency filters.
- Lower finishing frame of the plenum made of powder-coated RAL9010 aluminum profile.
- Perforated air diffusion grille with RAL9010 powder-coated finish.

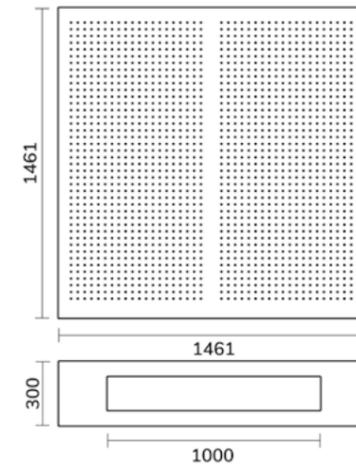
AIR FLOW RANGE FTP & FTP-S

LAMINAR AIR FLOW CEILING						
Air velocity under perforated grids (m/s)		0,250	0,275	0,300	0,325	0,350
	Effective area under perforated grids (m ²)					
FTP 6P30	2,31	2 080	2 280	2 490	2 700	2 910
FTP 12P12	1,85	1 660	1 830	1 990	2 160	2 330
FTP 18P9	2,08	1 870	2 060	2 240	2 430	2 620
FTP 18P12	2,77	2 490	2 740	2 990	3 240	3 490
FTP-S 24P12	3,23	2 910	3 200	3 490	3 780	4 070
FTP 24P12	3,69	3 320	3 650	3 990	4 320	4 650
FTP-S 18P18	3,69	3 320	3 660	3 990	4 320	4 650
FTP 18P18	4,16	3 740	4 110	4 490	4 860	5 240
FTP-S 24P18	5,08	4 570	5 030	5 480	5 940	6 400
FTP 24P18	5,54	4 980	5 480	5 980	6 480	6 980
FTP-S 24P24	6,93	6 230	6 860	7 480	8 100	8 730
FTP 24P24	7,38	6 640	7 310	7 970	8 640	9 300
FTP-S 30P24	8,77	7 890	8 680	9 470	10 260	11 050
FTP 30P24	9,23	8 300	9 140	9 970	10 800	11 630
FTP-S 30P30	11,07	9 970	10 960	11 960	12 960	13 950
FTP 30P30	11,53	10 380	11 420	12 460	13 490	14 530
Initial pressure drop (Pa)		120	130	150	160	170
Recommended final pressure drop (Pa)		360	390	450	480	510

CEILING RANGE

C Measures in mm.

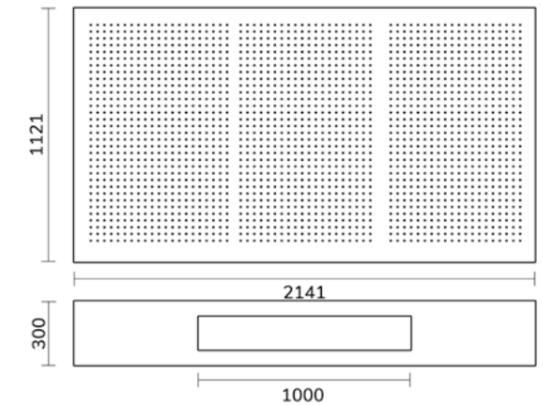
FTP 12P12



weight: 98 Kg

option : height 450 mm

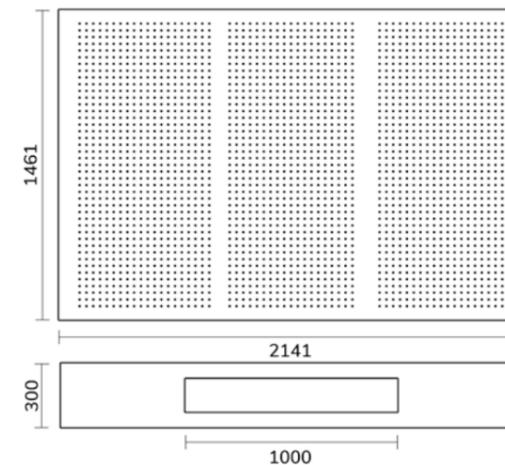
FTP 18P9



weight: 111 Kg

option : height 450 mm

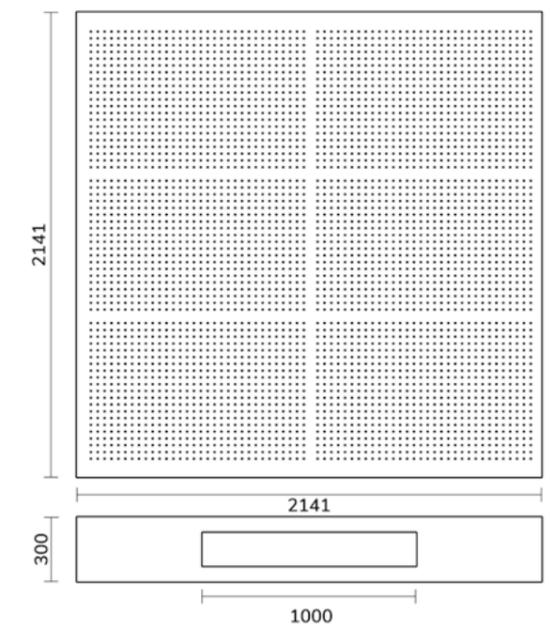
FTP 18P12



weight: 139 Kg

option : height 450 mm

FTP 18P18



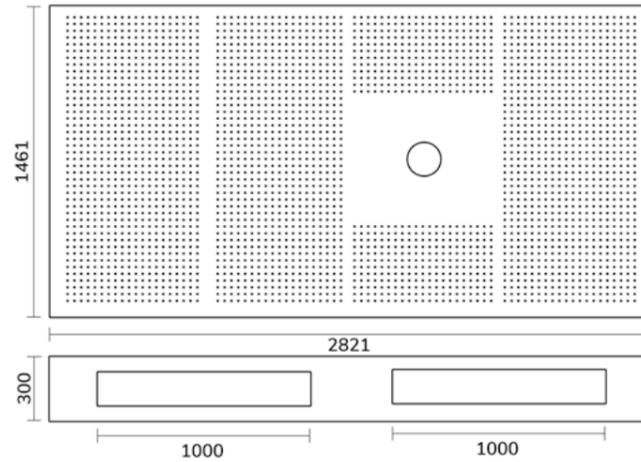
weight: 182 Kg

option : height 450 mm

FTP-S 24P12

 weight: 187 Kg

option : height 450 mm



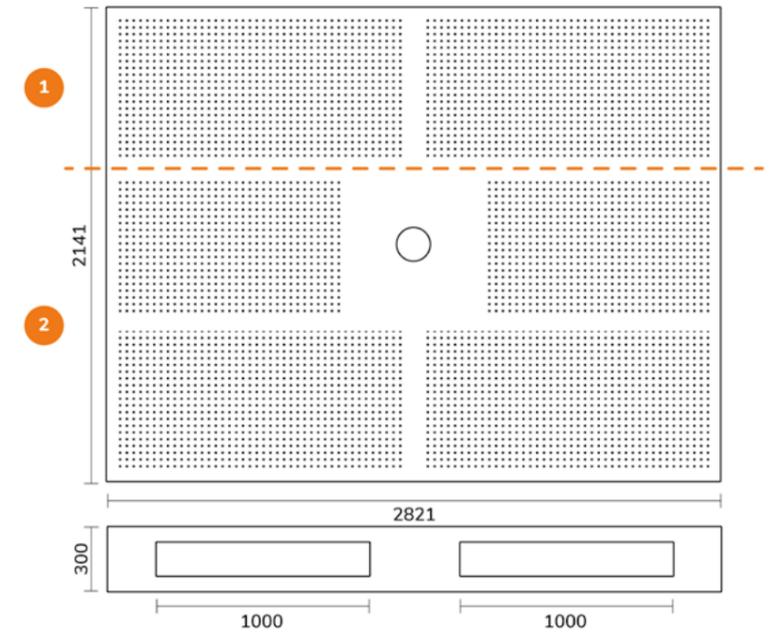
FTP-S 24P18

delivered in 2 parts

part 1: 780 x 2864
part 2: 1460 x 2864

 weight: 262 Kg

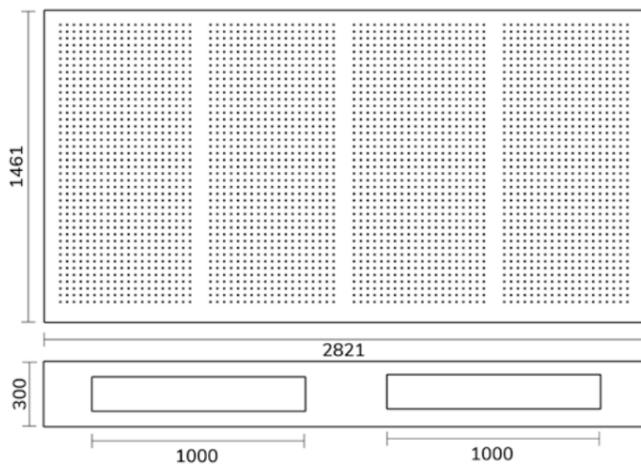
option : height 450 mm



FTP 24P12

 weight: 182 Kg

option : height 450 mm



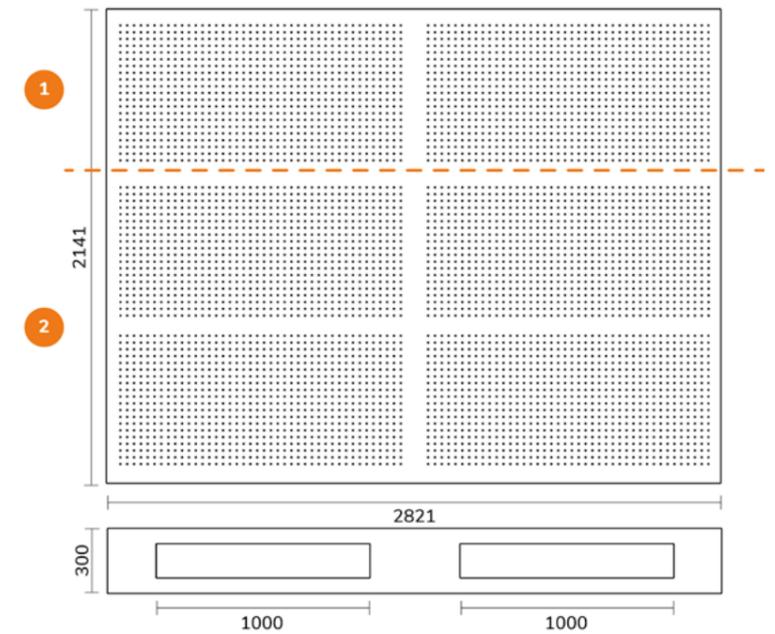
FTP 24P18

delivered in 2 parts

part 1: 780 x 2864
part 2: 1460 x 2864

 weight: 262 Kg

option : height 450 mm



C Measures in mm.

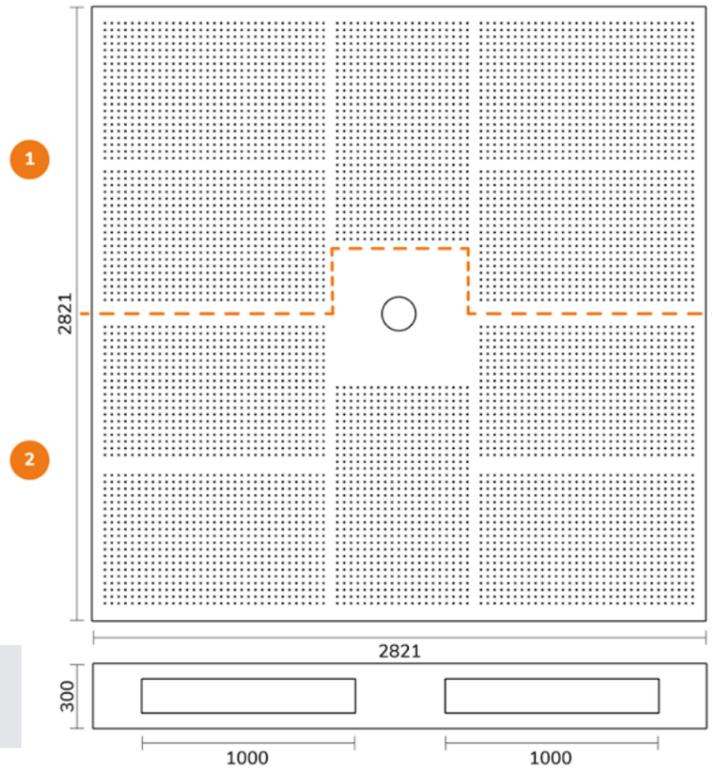
FTP-S 24P24

delivered in 2 parts

part 1: 1460 x 2864
part 2: 1800 x 2864

weight: 337 Kg

option : height 450 mm



C Measures in mm.

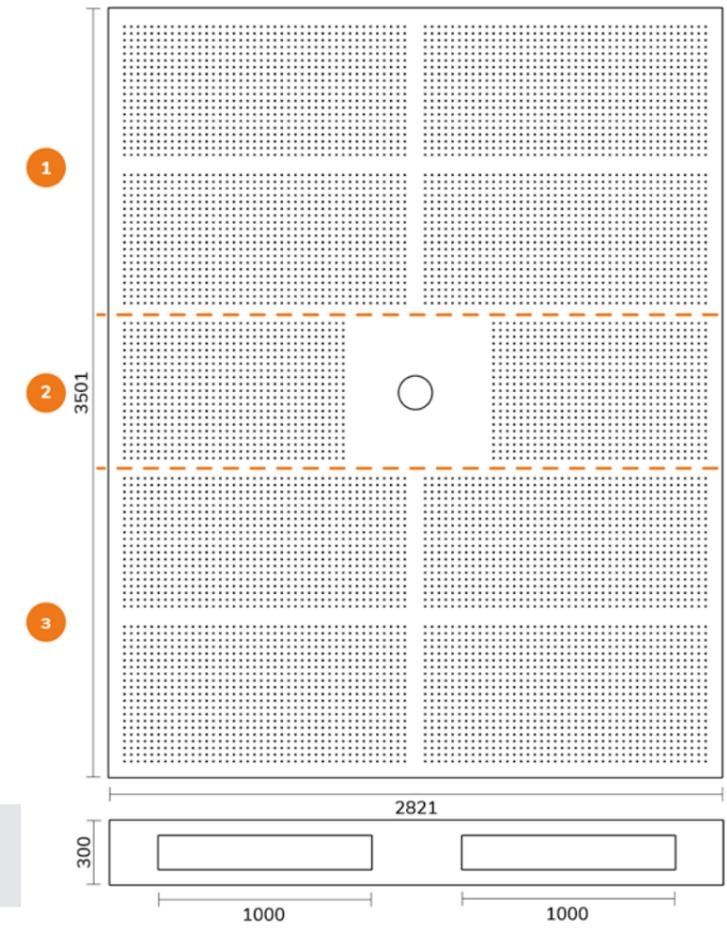
FTP-S 30P24

delivered in 3 parts

part 1: 1460 x 2893
part 2: 679 x 2893
part 3: 1460 x 2893

weight: 414 Kg

option : height 450 mm



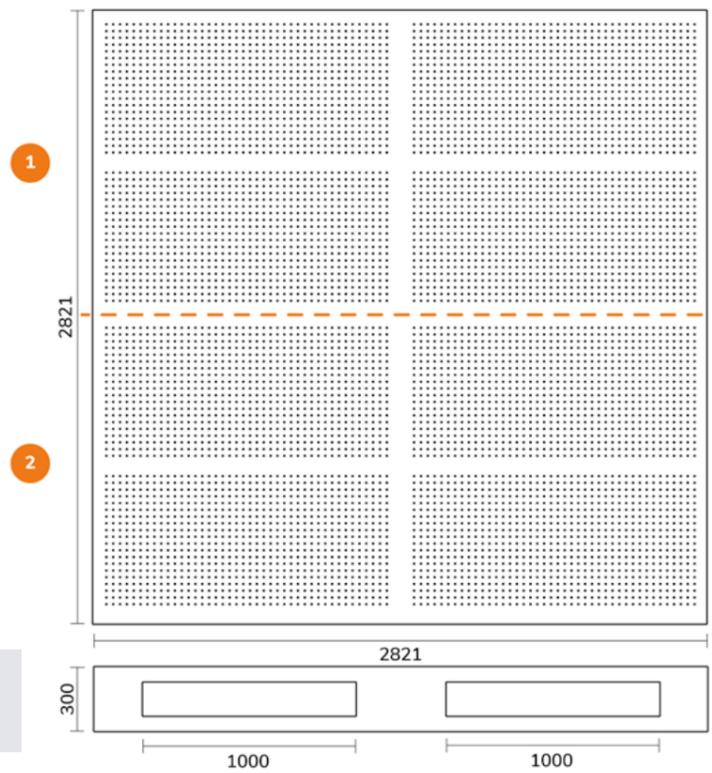
FTP 24P24

delivered in 2 parts

part 1: 1460 x 2864
part 2: 1460 x 2864

weight: 337 Kg

option : height 450 mm



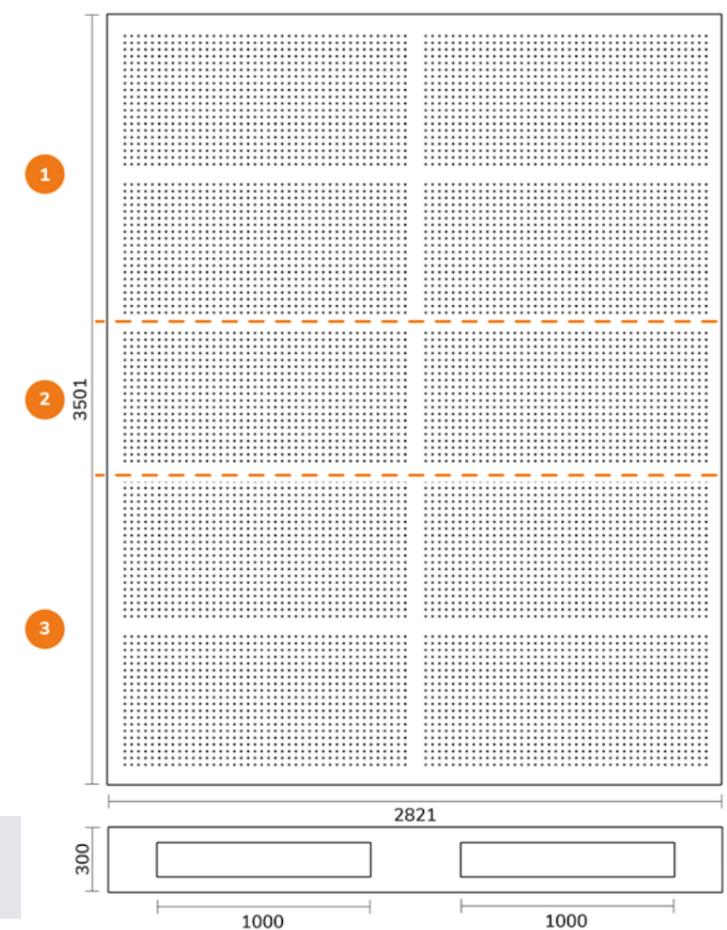
FTP 30P24

delivered in 3 parts

part 1: 1460 x 2893
part 2: 679 x 2893
part 3: 1460 x 2893

weight: 415 Kg

option : height 450 mm



C Measures in mm.

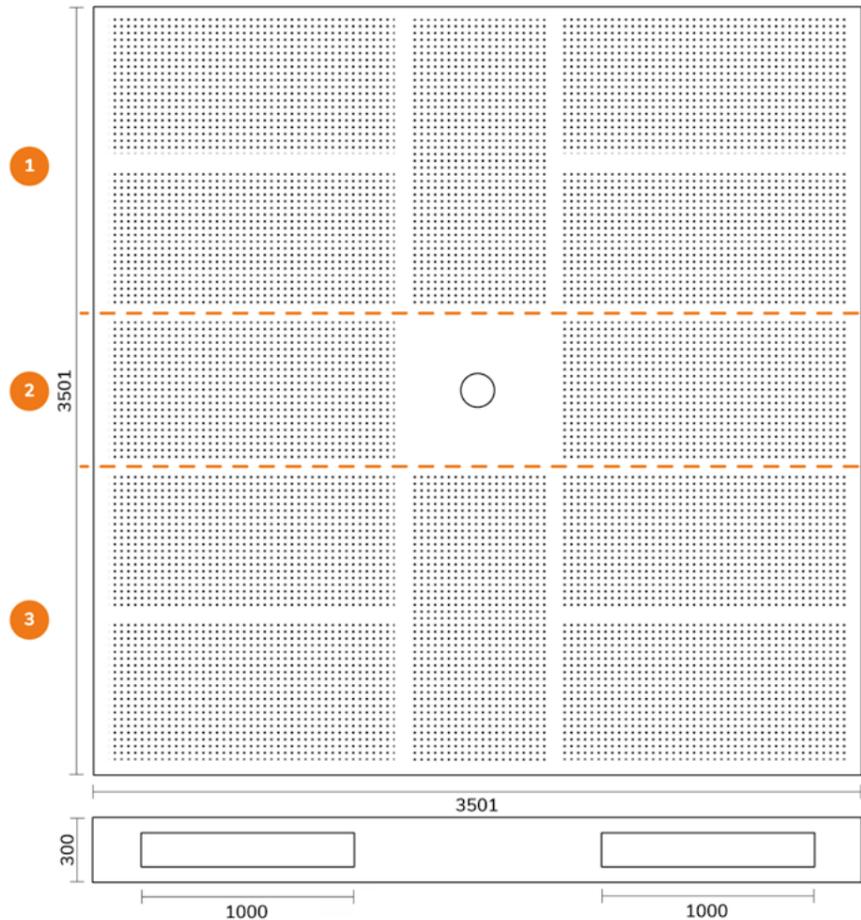
FTP-S 30P30

delivered in 3 parts

part 1: 1460 x 3573
part 2: 679 x 3573
part 3: 1460 x 3573

weight: 504 Kg

option : height 450 mm



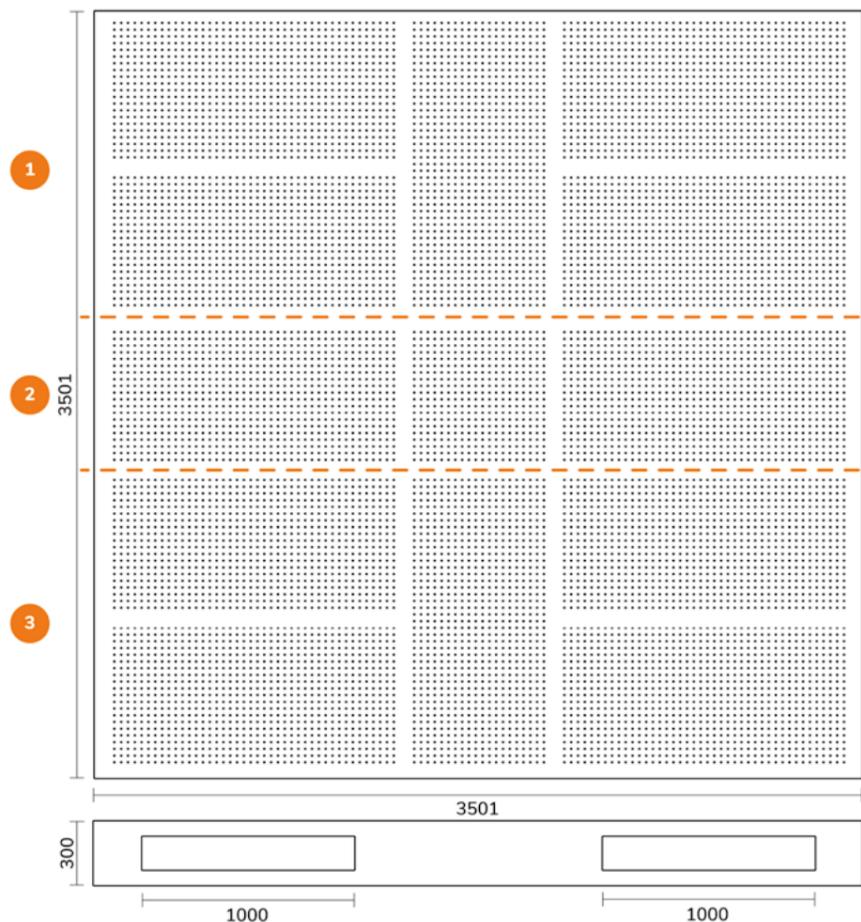
FTP 30P30

delivered in 3 parts

part 1: 1460 x 3573
part 2: 679 x 3573
part 3: 1460 x 3573

weight: 509 Kg

option : height 450 mm



RECYCL'AIR MRA 2000 / 3000

CONCEPT

The Recycl'air MRA2000 is an additional recirculation module for laminar flow ceilings.

It increases the air supply flow rate of the filtering ceilings without requiring additional power from the air handling unit. This allows for better control of airborne contamination and improved cleanroom classification (according to NFS 90 351).

The Recycl'air offers four operating modes: standby, reduced operation, normal operation, and rapid decontamination.

CARACTERISTICS

The Recycl'air MRA2000 delivers a constant airflow of up to 3000 m³/h, regardless of the clogging level of the terminal filtration. Depending on the size and capacity of the laminar flow ceiling, up to three Recycl'air units can be added, providing a total of up to 9000 m³/h of additional airflow.

LAYOUT

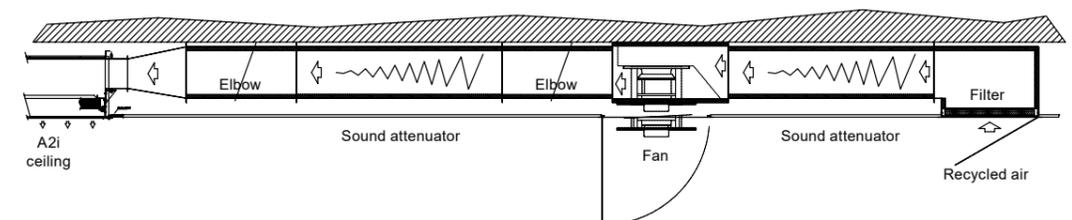
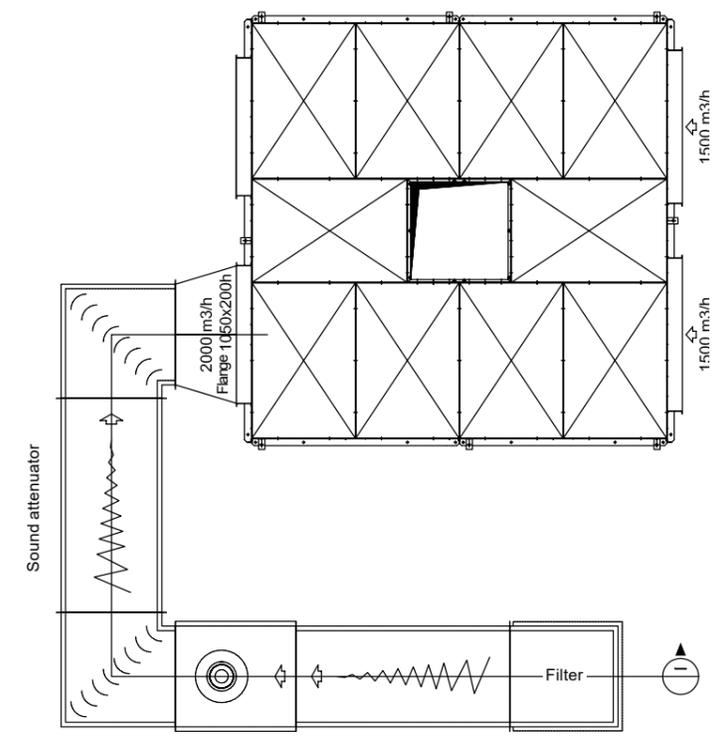
Recycl'air is set up in false ceiling.

- standard connections on A2i ceilings or specific for all others.
- compact size : 510 mm in false ceiling.
- custom layout in false ceiling thanks to connecting ducts.

COMPOSITION

The Recycl'air MRA2000 consists of:

- A recycled air box with a white lacquered grille,
- A fan unit accessible via a hatch located in the false ceiling,
- Two duct silencers, positioned upstream and downstream of the fan unit,
- One to three connection pieces, to be installed according to the layout of the room to be treated,
- A 4-position switch allowing the selection of the operating mode.



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