



LAMINAR
AIR FLOW
CEILING



Healthcare,
Industry & Research

SCOPE OF APPLICATION

Our range of laminar air flow ceilings ensure de cleanliness class ISO5.



HEALTHCARE



**PHARMACEUTICAL
INDUSTRY**



**RESEARCH
LABORATORY**

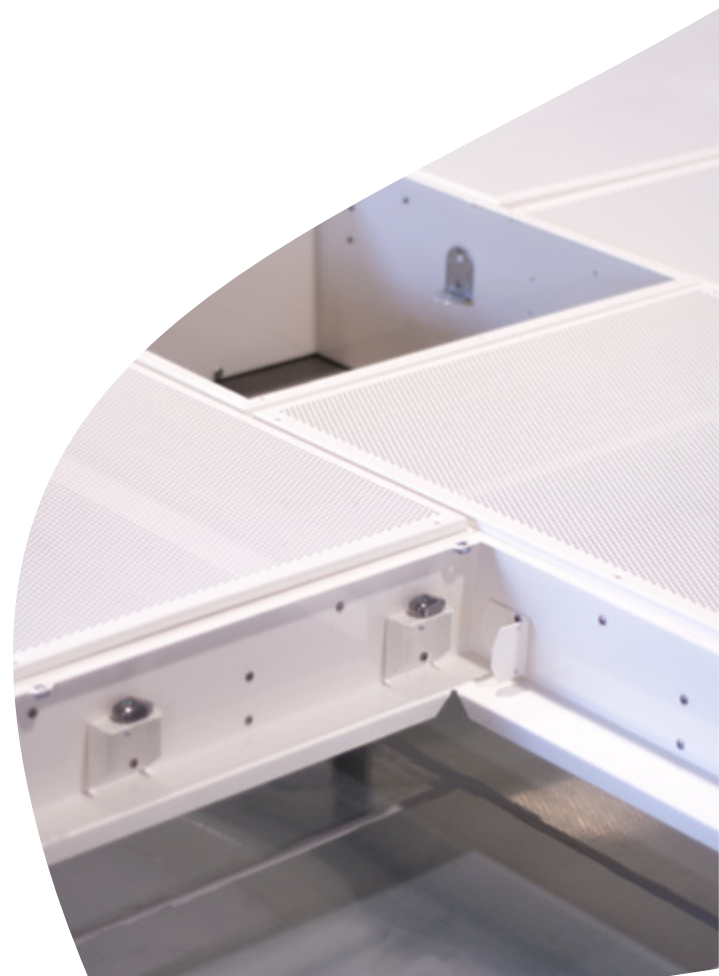


**HI-TECH
INDUSTRY**

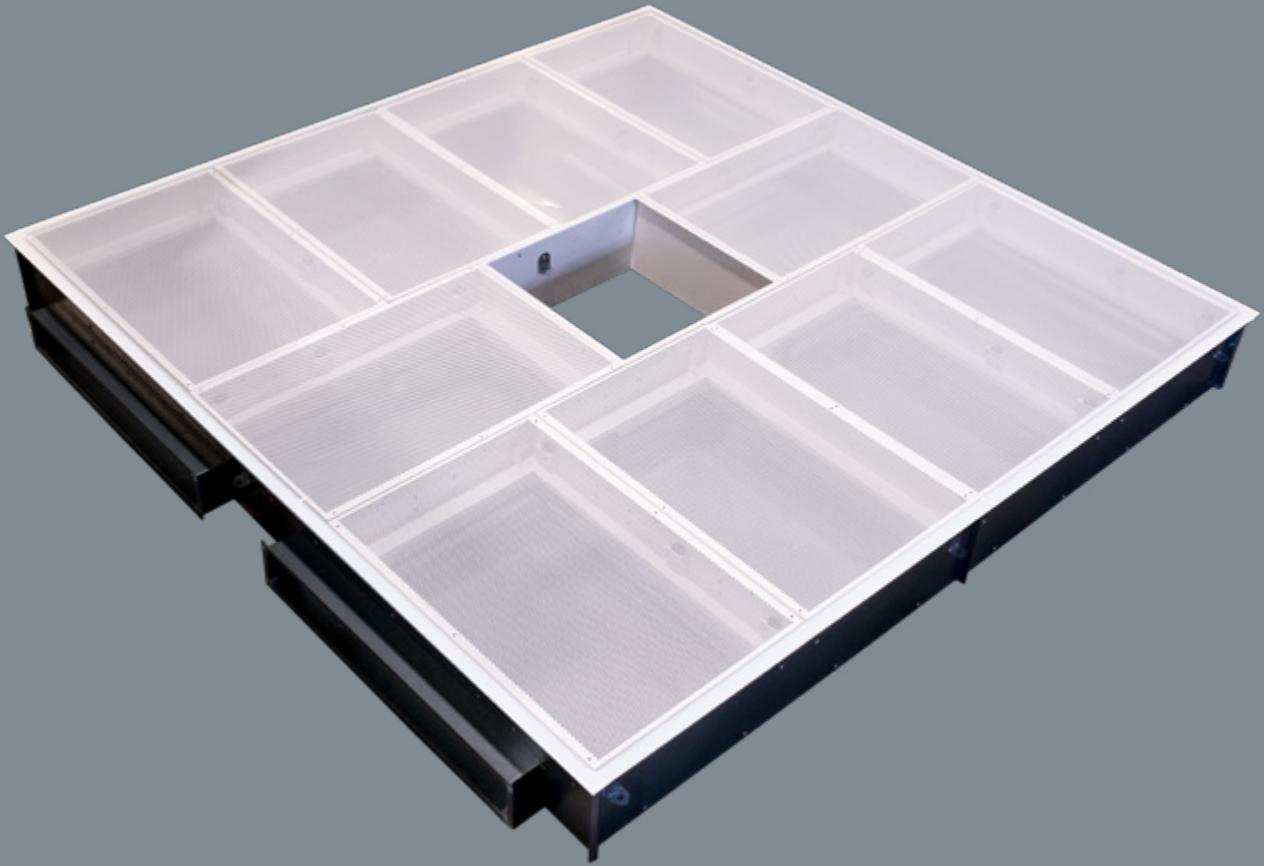


MADE IN FRANCE

The ceilings are designed and produced at our factory to meet high demands and ensure a complete follow-up of our products.



TECHNICAL DESCRIPTIVE



- Laminar air flow designed with air velocity between 0.25 and 0.35 m/s.
- Low height plenum for easy set up in false ceiling (height from 300 mm).
- Pre-assembled ceilings, delivered in 2 or 3 parts according to the size (delivered with a mounting kit).
- Built-in pressure taps to allow filter differential pressure or EMERY test.

SHEET METAL WORK

Modular conception in galvanized lacquered metal sheet (RAL 9010) or stainless steel.

Structure made with thick galvanized metal sheet to prevent any vibration (15/10th mm).

- Thick metal sheet support for HEPA filter seal (15/10th mm).
- Finishing lacquered aluminum external frame (RAL 9010).
- Lacquered perforated grid for diffusion (RAL 9010).

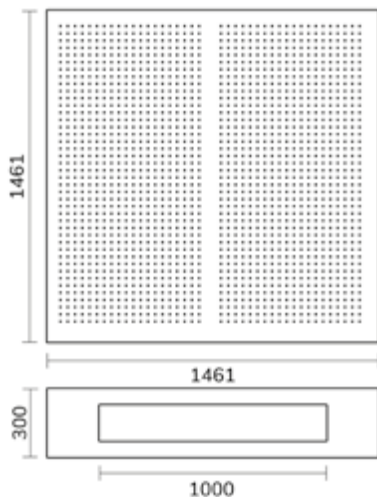
AIR FLOW RANGE FTP & FTP-S

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 12P12	1,67	1500	1650	1800	1950	2100
FTP 18P9	1,86	1670	1840	2010	2180	2340
FTP 18P12	2,50	2250	2480	2700	2930	3150
FTP-S 24P12	2,89	2600	2860	3120	3380	3640
FTP 24P12	3,33	3000	3300	3600	3900	4200
FTP-S 18P18	3,29	2960	3260	3560	3850	4150
FTP 18P18	3,72	3350	3680	4020	4350	4690
FTP-S 24P18	4,57	4120	4530	4940	5350	5760
FTP 24P18	5,00	4500	4950	5400	5850	6300
FTP-S 24P24	6,20	5580	6140	6690	7250	7810
FTP 24P24	6,67	6000	6600	7200	7800	8400
FTP-S 30P24	7,91	7120	7830	8540	9250	9960
FTP 30P24	8,33	7500	8250	9000	9750	10500
FTP-S 30P30	10,00	9000	9900	10800	11700	12600
FTP 30P30	10,41	9370	10300	11240	12180	13110
Initial pressure drop (Pa)		110	120	130	140	150
Recommanded final pressure drop (Pa)		330	360	390	420	450

CEILING RANGE

C Measures in mm.

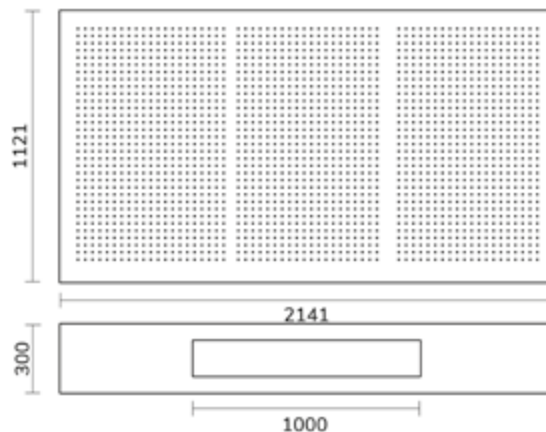
FTP 12P12



 weight: 98 Kg

option : height 450 mm

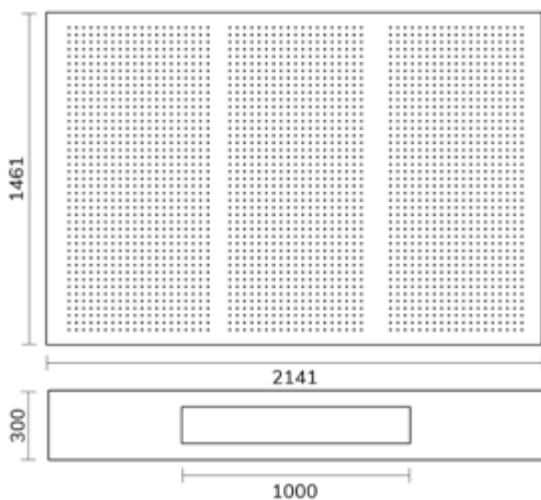
FTP 18P9



 weight: 111 Kg

option : height 450 mm

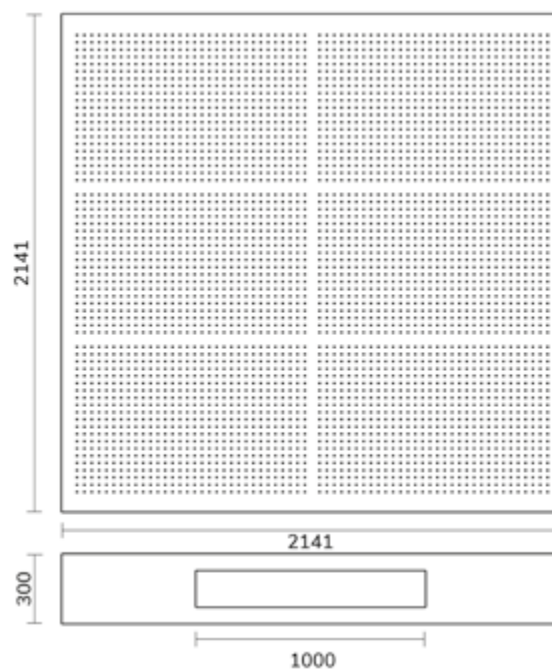
FTP 18P12



 weight: 139 Kg

option : height 450 mm

FTP 18P18



 weight: 182 Kg

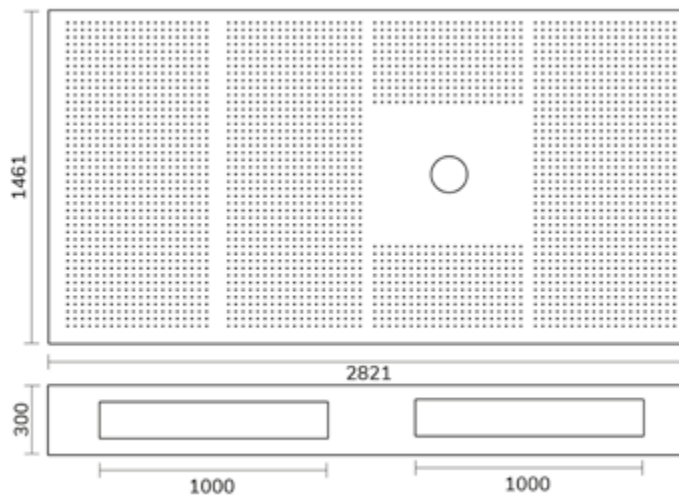
option : height 450 mm

FTP-S 24P12

C Measures in mm.

 weight: 187 Kg

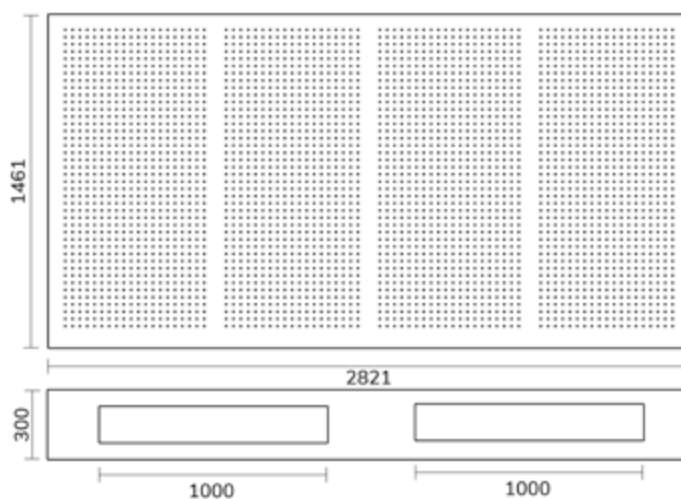
option : height 450 mm



FTP 24P12

 weight: 182 Kg

option : height 450 mm



C Measures in mm.

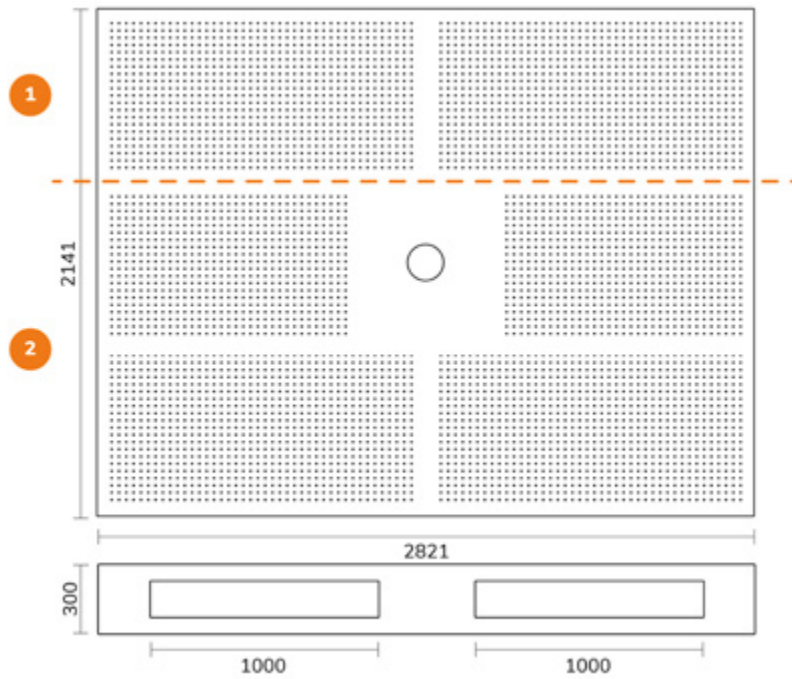
FTP-S 24P18

delivered in 2 parts

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

 weight: 262 Kg

option : height 450 mm



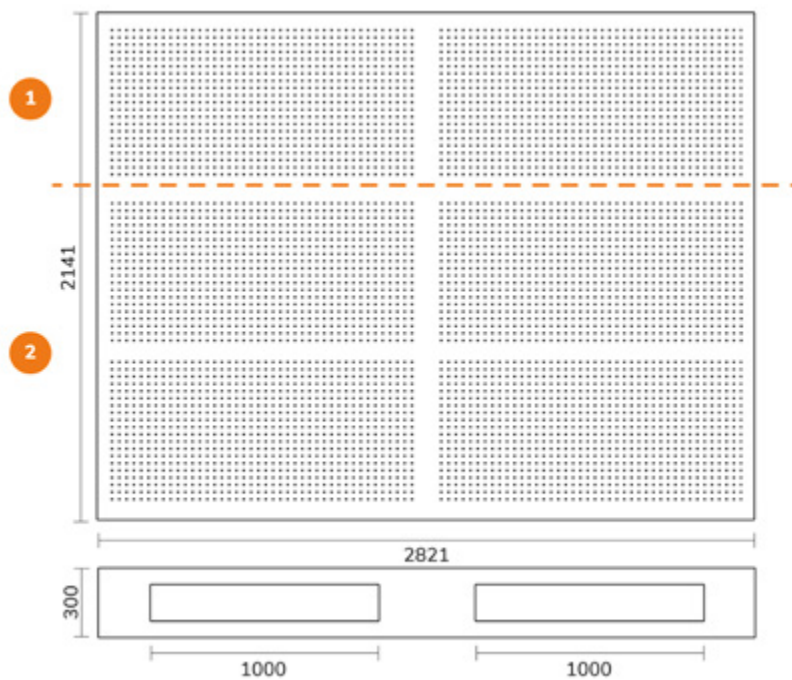
FTP 24P18

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

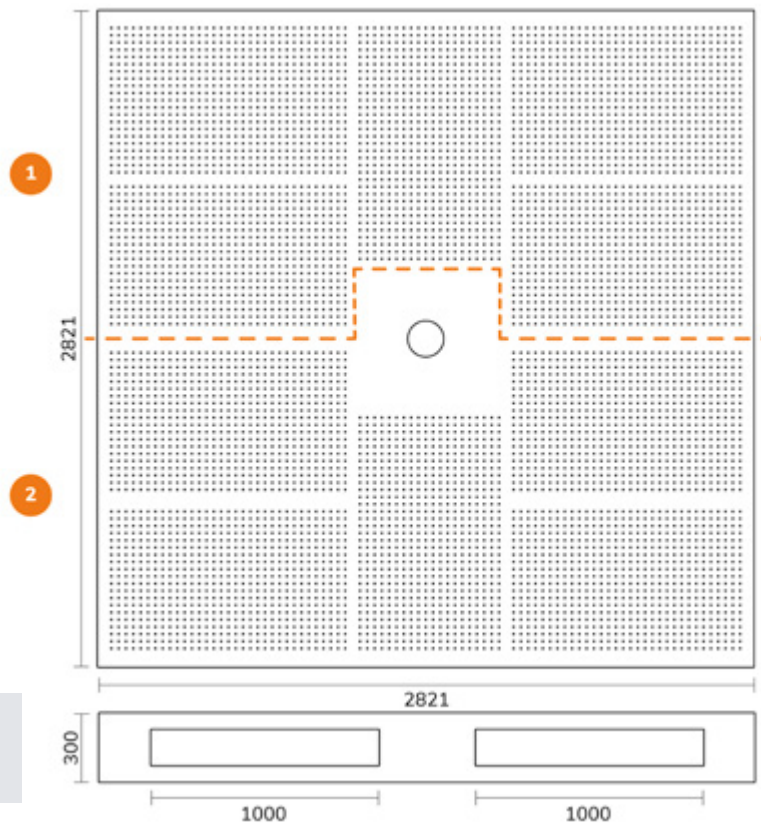
delivered in 2 parts

part 1: 1460 x 2864

part 2: 1800 x 2864

 weight: 337 Kg

option : height 450 mm



FTP 24P24

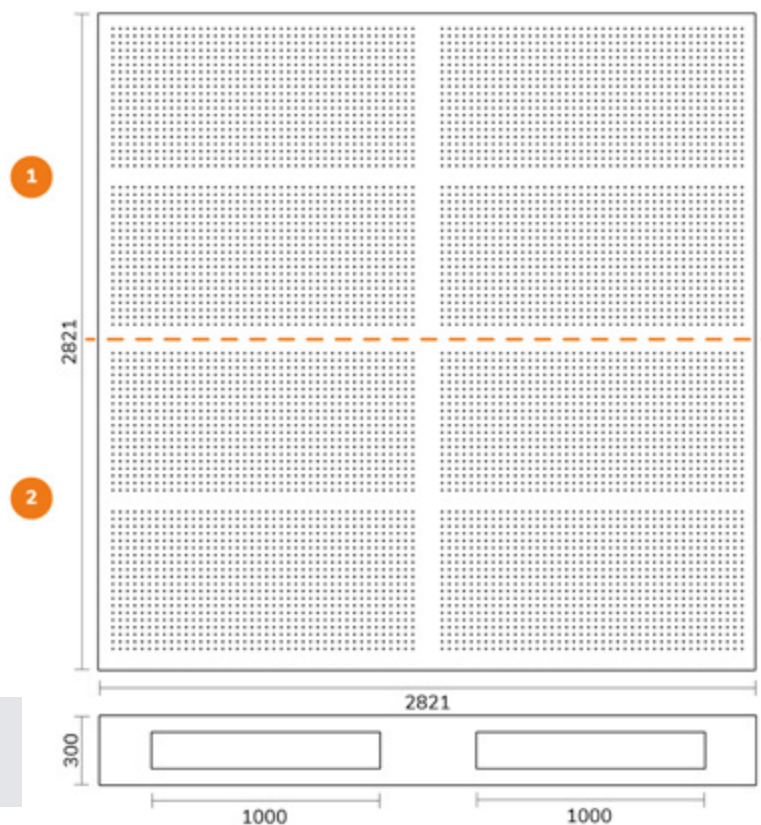
delivered in 2 parts

part 1: 1460 x 2864

part 2: 1460 x 2864

 weight: 337 Kg

option : height 450 mm



C Measures in mm.

FTP-S 30P24

delivered in 3 parts

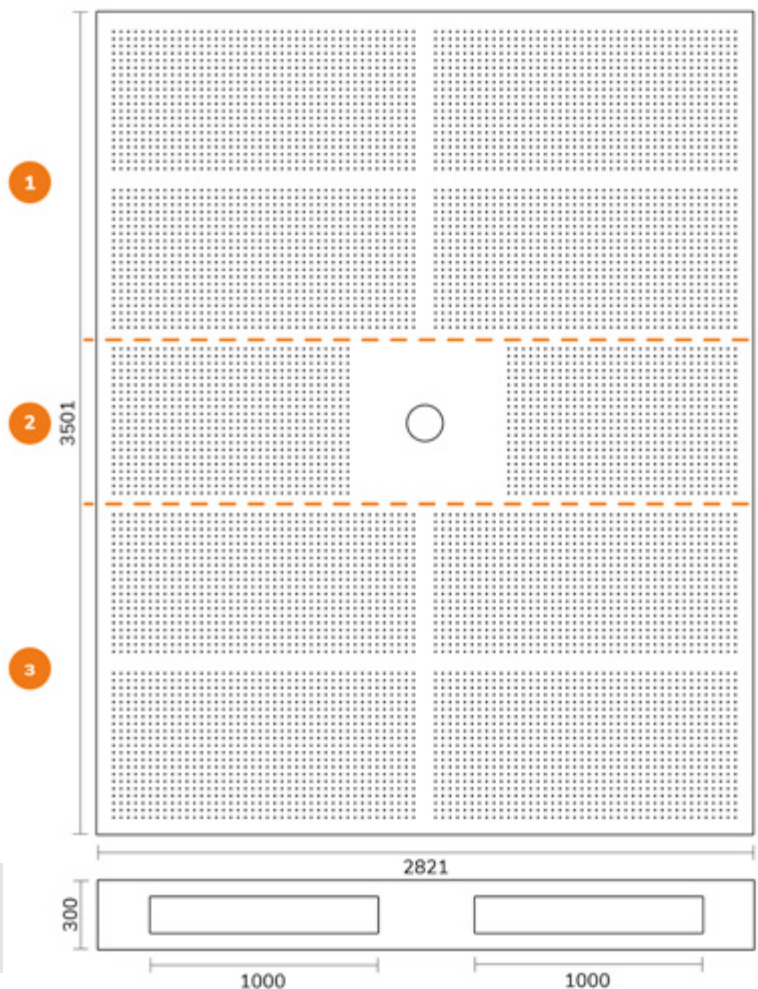
part 1: 1460 x 2893

part 2: 679 x 2893

part 3: 1460 x 2893

 weight: 414 Kg

option : height 450 mm



FTP 30P24

delivered in 3 parts

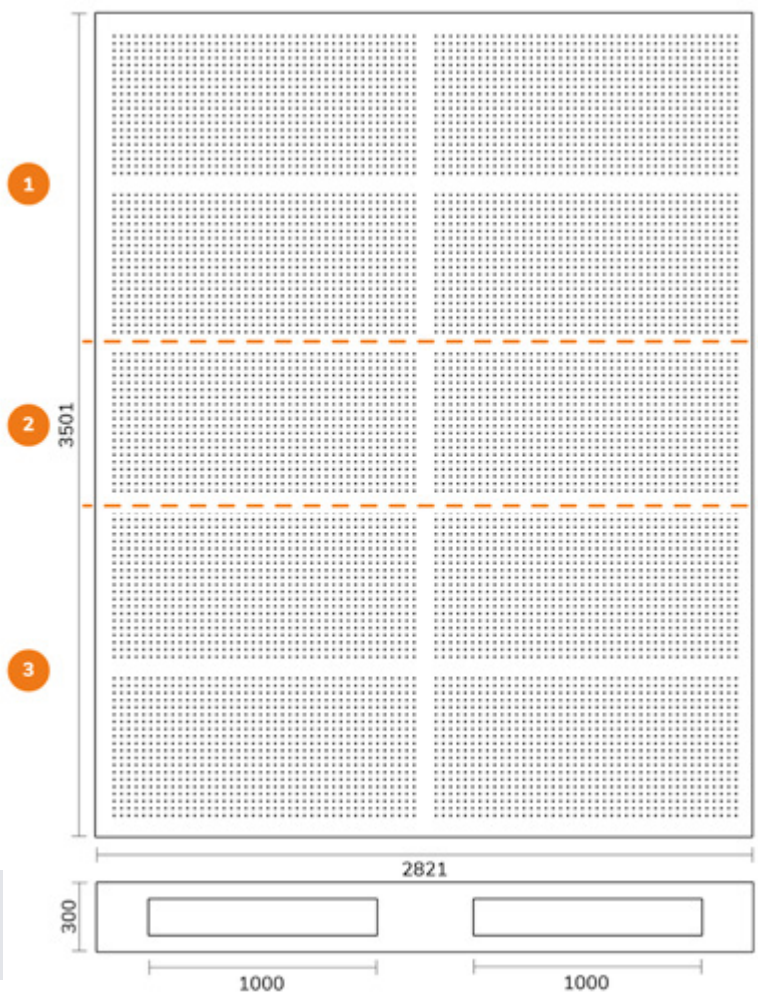
part 1: 1460 x 2893

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

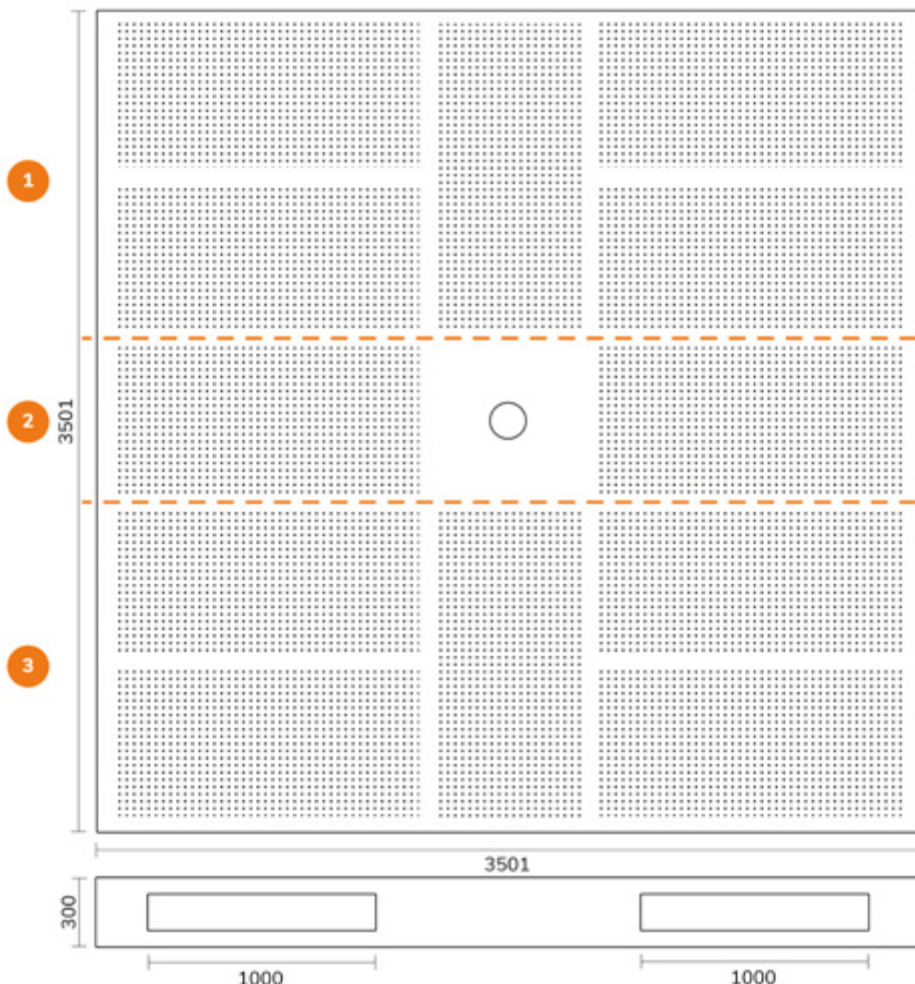
part 1: 1460 x 3573

part 2: 679 x 3573

part 3: 1460 x 3573

 weight: 504 Kg

option : height 450 mm



FTP 30P30

delivered in 3 parts

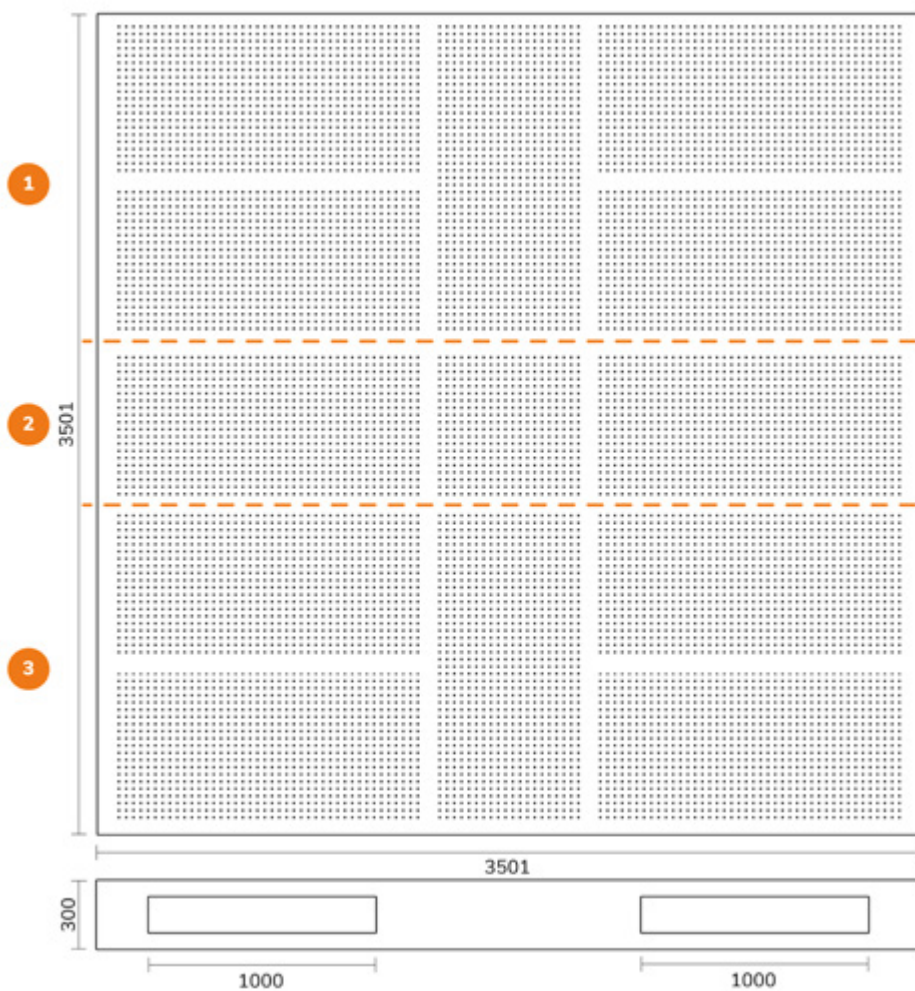
part 1: 1460 x 3573

part 2: 679 x 3573

part 3: 1460 x 3573

 weight: 509 Kg

option : height 450 mm



RECYCL'AIR MRA 2000 / 3000

CONCEPT

Recycl'air 2000 / 3000 are additional recycle modules for laminar air flow ceiling.

They allow to increase the airflow supplied by the ceilings without having to increase the power of the air handling unit.

Thus they allow to obtain a better cleanliness level.

The Recycl'air has four operating modes : standby, reduced, normal, fast decontamination.

CHARACTERISTICS

Recycl'air supplies constant airflow until 3000 m³/h whatever filters clogging.

Dependings on ceiling dimensions, we can add until 3 Recycl'air and thus obtain a 9000 m³/h gain.

LAYOUT

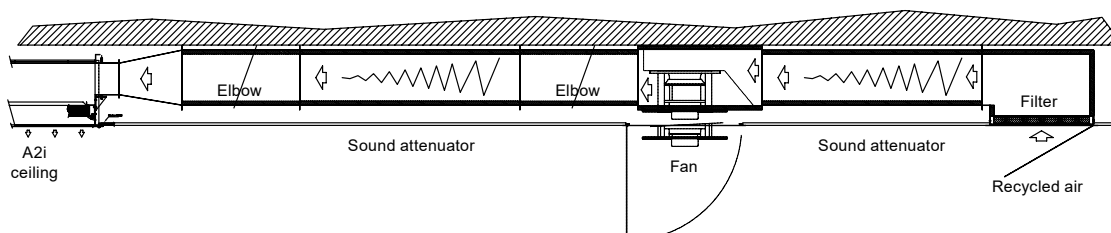
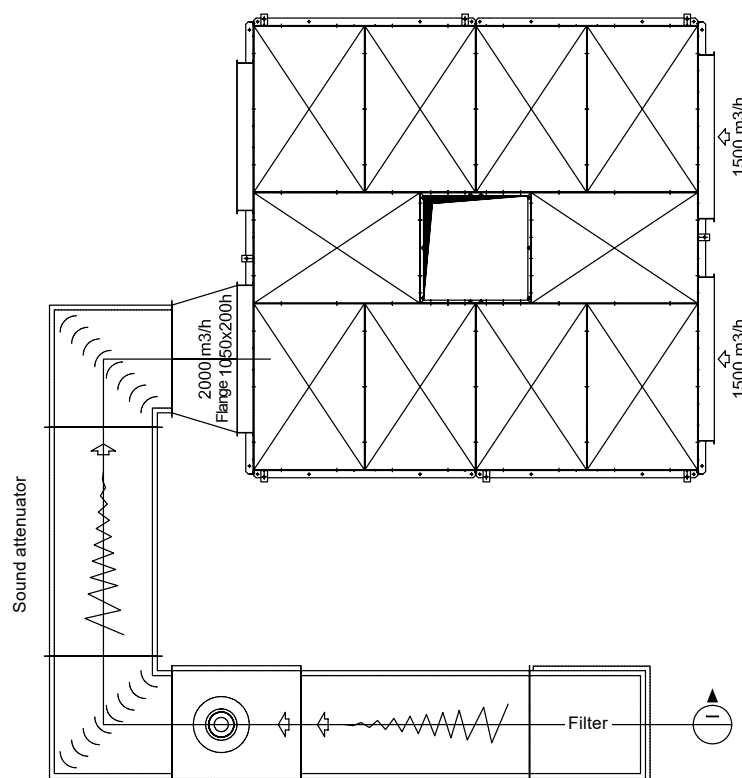
Recycl'air is set up in false ceiling.

- 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

Recycl'air comes with:

- a recycled air box with white lacquered grid,
- a fan box with a trapdoor for an easy access from the false ceiling,
- two sound attenuators upstream/downstream from fan box,
- some connecting parts to set up depending on the layout in false ceiling,
- a switch to select the operating mode.



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