TAS-DIF.P

Ceiling filter system for operating rooms

Product	**TAS-DIF.P**
Suggested final pressure drop	**250 Pa**
Class accord. Fed. Std. 209 E	**From M 3,5 to M 7**
Class accord. ISO 14644	**From 5 to 8**
Plenum	**Polystirene**
Frame	**Aluminium**
Perforated diffuser	**Aluminium**
Suggested for class	**B / C (ECC-GMP-Annex1)**

TAS –DIF.P ceiling filters offer a controlled distribution of the filtered air thanks to absolute filters positioned above the operating theater. They are made of very thick anodized aluminium; the filter housing terminals are made of a one-piece frame and plenum, with perfect tightness features, and a perforated anodized aluminium diffuser. Everything is perfectly planar to make cleaning operations easier. Alternatively, instead of the perforated diffuser we can also supply a diffuser with micromesh membrane, mod. LV, to guarantee a complete laminar flow in the case of low outlet air speeds.
The diffuser is modular and this makes transportation and installation operations easier when the system is not supplied in one piece.
The filter section is made of absolute filters DELTA series mod. AB class H 14.
No barriers are required. TAS – DIF P ceiling filters are available in different sizes, with air flow rates ranging from 1500 to 3700 m³/h.

Applications TAS – DIF P ceiling filters can be installed in most of the operating rooms with high air cleanness requirements. Noise production levels are very low, hence they meet the environmental requirements of the surgical team.
They can guarantee C-level air cleanness.
(< = 100 particles/ft³)
And bacteriological class B
(< = 20 cfc/ m³).

Installation TAS – DIF P ceiling filters are supplied as a one-piece element or in more than one piece when this is required for transportation reasons. The modules are assembled and installed on site very easily and without any particular devices. The installation of the filter consists of the assembly of the supporting structure with relevant tie rods and the ceiling application of the system. The lamp can be placed in the middle of the ceiling filter.

Type	Sizes (mm)						Nominal air flow rate Q.		Weight
TAS-DIF.P	A		B		C		m³/h	m³/sx10⁻³	Kg
18 / 18	1820	x	1820	x	360		1500	416	110
20 / 21	2000	x	2150	x	420		2350	652	120
21 / 23	2150	x	2300	x	420		2700	750	130
23 / 27	2300	x	2800	x	420		3700	1028	155

**1 m³/s x 10⁻³ = 1 l/s*

Size