

TAS-OP / TAS-FV



	TAS-OP	TAS-FV
Class accord. to Fed. Std. 209 E	from M 3,5 to M 5,5	from M 3,5 to M 5,5
Class accord. to ISO 14644	from 5 to 7	from 5 to 7
Initial pressure drop	100 Pa	100 Pa
Suggested final pressure drop	250 Pa	250 Pa
Plenum	AISI 304 stainless steel	Painted steel
Frame	AISI 304 stainless steel	Painted steel
Perforated plate diffuser	AISI 304 stainless steel	Painted aluminum
Suggested for class	B (ECC-GMP-Annex 1)	B (ECC-GMP-Annex 1)

Air filtration and distribution system for operating rooms with unidirectional vertical flow, particularly recommended for critical rooms from Class ISO 7 to Class ISO 5 according to the ISO 14644 standard.

To get optimum air distribution inside the room, it is recommended to size and position the exhaust grilles properly.

ADVANTAGES

- Wide range of sizes.
- Perfectly planar to make cleaning operations easier.
- Resistance to sanitization and cleaning operations (AISI 304 stainless steel TAS-OP version).
- HEPA filters produced, tested and packaged individually in clean room.
- Perforated plate diffuser panels easy to disassemble in order to quickly and simply access the filters.

MATERIAL AND FINISH

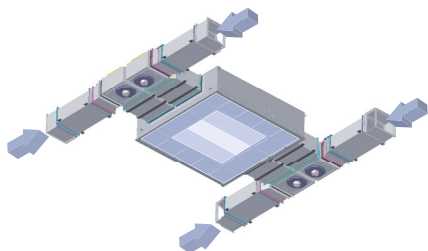
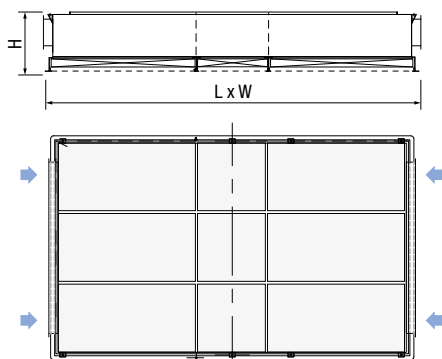
- Plenum made of AISI 304 stainless steel in the TAS-OP version.
- Plenum made of painted steel in the TAS-FV version.
- Diffusers in AISI 304 stainless steel in the TAS-OP version.
- Diffusers in painted aluminium in the TAS-FV version.
- HEPA filters model AB, eff. H14 according to EN 1822:2009.

APPLICATION

- Critical operating rooms in class ISO 5 and for non-critical operating rooms in class ISO 7, according to the ISO 14644 standard.

VERSIONS

- LV model membrane diffusers.
- Gel liquid sealing system.
- Setting for surgical light.
- Recirculation system.



UNIDIRECTIONAL FILTRATION SYSTEM WITH RECIRCULATION FANS

Nowadays almost all world standards stand that the airflow rate introduced into an operating room is made up of an outside portion (fresh air) and a considerable proportion of recirculated air from the same room. The HVAC industry commonly uses systems that include centralized Air Handling Units for fresh air treatment (Make Up Air unit) to service of one or more zones, and dedicated Air Han-

dling Units for the handling of recirculation air. However, some architectural constraints may make difficult or even impossible to use the system above explained. Especially in the case of renovation or retrofit market. In this case, the recirculation module with integrated solution is able to provide the designer and installer maximum flexibility.

DIMENSIONS AND TECHNICAL DATA

Code	Dimensions [mm]			Version WITH surgical light setting			Version WITHOUT surgical light setting		
				Nominal air flow rate [m³/h]			Nominal air flow rate [m³/h]		
	L	W	H	V = 0.24 m/s	V = 0.30 m/s	V = 0.38 m/s	V = 0.24 m/s	V = 0.30 m/s	V = 0.38 m/s
14/20	1400	2000	420	1600	2000	2500	2000	2400	3000
14/25	1400	2500	420	2200	2800	3500	2600	3200	4000
20/20	2000	2000	420	2600	3200	4000	3000	3600	4500
20/25	2000	2500	420	3500	4400	5500	4000	4800	6000
20/32	2000	3200	420	4400	5600	7000	4700	6000	7600
25/25	2500	2500	420	4800	6000	7600	5200	6400	8200
25/32	2500	3200	420	6200	7600	9700	6600	8000	10200
32/32	3200	3200	420	7800	9600	12000	8200	10000	12600