



# DIF-P 42 OP

*HOSPITAL series terminal hood for absolute filters*

Product	DIF-P 42 OP
Frame	Anodized aluminium
Plenum	Thermo-formed, one-piece polystyrene
OP diffuser	Special type with inclined fixed blades, in extruded anodized aluminium divided in two sections: <ul style="list-style-type: none"> <li>• Higher, with coanda effect ceiling throw</li> <li>• Lower with swirl effect divided in 4 fields with throws at 90°</li> </ul>
Filter pack	AB mini-pleated filter
Filter frame	Aluminium with protection grids (DELTA series)
Suggested for class	D (ECC-GMP Annex 1)

These devices have a double function: they house absolute filters and distribute the air in the room.

DIF-P/OP are constructed of an anodized aluminium frame that houses a mini-pleated absolute filter DELTA series, and a diffuser (OP). A thermal-formed polystyrene one-piece plenum, with circular collar, feeds the supply air terminal from the treatment unit.

The advantage of DIF-P/OP terminals is that they can be installed directly in the sterile room or the clean room, hence the air filtered at the desired level of cleanness is directly distributed in the room.

The OP diffuser with fixed bent extruded anodized aluminium blades, is divided in two sections:

- A higher one with coanda effect ceiling throw
- The lower one with swirl effect divided into 4 fields with throws at 90°.

**Applications** DIF-P/OP filters are used in controlled contamination rooms such as: operating rooms, laboratories, industrial departments for precision or processing operations that require high air cleanness levels, etc. The advantage of DIF-P/OP terminals is their great versatility, which meets the most

varied requirements of use.

**Installation** DIF-P/OP filters can be installed in two ways:

- Horizontally on the ceiling
- Bent on the wall.

Their robust and at the same time light construction and the compact dimensions make installation operations easier.

All the maintenance and cleaning operations can be easily carried out from the treated room.

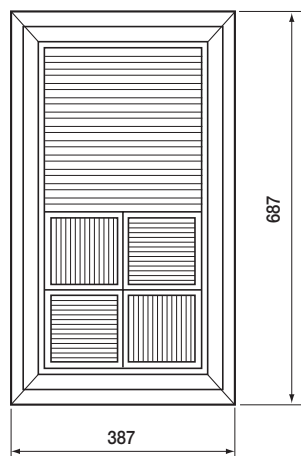
The filters must be replaced at the end of the suggested operating life.

Type	LT (m)	NR	Initial pressure drop Pa	Nominal air flow rate Q.			
				HIGHER SECTION		LOWER SECTION	
OP				m <sup>3</sup> /h	m <sup>3</sup> /s x 10 <sup>-3</sup>	m <sup>3</sup> /h	m <sup>3</sup> /s x 10 <sup>-3</sup>
A <sub>k</sub> : 0,03 mq	6,1	28	15	320	89	230	64
v <sub>T</sub> : 0,25 m/s	5,5	27	10	290	80	210	58
v <sub>R</sub> : 0,12 m/s	4,8	25	8	230	64	170	47

\*1 m<sup>3</sup>/s x 10<sup>-3</sup> = 1 l/s

Terminal	Sizes (mm)				Weight kg	Filter	Sizes (mm)			Diffuser	Sizes (mm)	
	A	B	ø D	H			A	B	H		Width	Hight
DIF - P 42	331	631	173	360	11	AB 42	305	x 610	x 69	OP	300	600

## Size



DIF-P42OP

