

# DIF.K - DIF.S

Terminal hoods for absolute filters

Product	DIF.K	DIF.S
Class acc. Fed. Std. 209 E	from M 3,5 to M 7	from M 3,5 to M 7
Class acc. ISO 14644	from 5 to 8	from 5 to 8
Plenum	Painted steel	AISI 304 stainless steel
Frame	Painted steel	AISI 304 stainless steel
Diffuser	Aluminium	AISI 304

These terminals include a housing frame for a DELTA series, mini-pleated absolute filter and a diffuser. The frame and the plenum come in two different types:

- Painted steel, "K"
- AISI 304 stainless steel, "S"

The diffusers are made of anodized aluminium and come in three different models:

- DIF.K/S - FL: unidirectional flow diffuser
- DIF.K/S - EE: diffuser with 4 way, turbulent flow concentric elements
- DIF.K/S - WT: high induction diffuser.

The advantage of DIF.K - DIF.S FL, EE, WT consists in the fact that they are directly installed in the sterile room or in the clean room,

hence the air filtered at the desired cleanliness level is directly distributed in the room. The possibility of choosing between three different terminal models allows you to fully meet the requirements of the systems.

**Applications** DIF.K - DIF.S FL, EE, WT terminal hoods are installed in controlled contamination rooms, such as: clean rooms, sterile rooms, laboratories, industrial departments which perform high precision jobs or processes that require high air cleanliness levels, etc. the advantage of the DIF.K - DIF.S FL, EE, WT terminals is their great application versatility which meets several requirements.

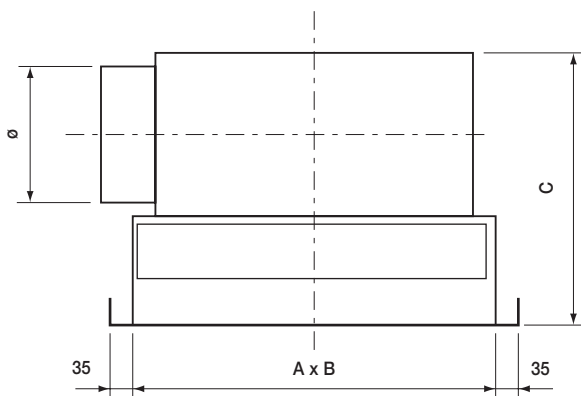
**Installation** DIF.K - DIF.S FL, EE, WT terminal hoods are installed horizontally, by inserting the terminal in the false ceiling. A flexible circular duct is used to connect the terminal with the collection duct. These filters terminal hoods are also available with top "T" collar.

The robust and light construction of the terminals and the compact dimensions, make installation very easy. All maintenance and cleaning operations can be easily carried out from inside the treated rooms. The filters must be replaced at the end of their suggested operating life.

Type	Sizes (mm)			Collar ø (mm)	Nominal air flow rate Q.		Initial pressure drop Pa	Filter sizes (mm)			
	A	B	C		m <sup>3</sup> /h	m <sup>3</sup> /sx10 <sup>-3</sup> *		A	B	C	
<b>FL</b>											
3 MD	345	x 345	x 475	173	150	42	20	305	x 305	x 115	
43 MD	497	x 497	x 525	197	350	97	20	457	x 457	x 115	
4 MD	650	x 650	x 525	197	600	166	30	610	x 610	x 115	
9 MD	1260	x 650	x 575	247	1200	333	30	1219	x 610	x 115	
<b>EE</b>											
3 MD	345	x 345	x 475	197	500	139	40	305	x 305	x 115	
43 MD	497	x 497	x 525	247	1000	278	40	457	x 457	x 115	
4 MD	650	x 650	x 575	297	2000	555	40	610	x 610	x 115	
<b>WT</b>											
3 MD	345	x 345	x 475	173	200	56	30	305	x 305	x 115	
43 MD	497	x 497	x 525	197	450	125	30	457	x 457	x 115	
4 MD	650	x 650	x 525	197	650	180	30	610	x 610	x 115	
71 MD	802	x 802	x 575	247	950	264	40	762	x 762	x 115	

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

## Size



## Options on request

- r : adjustable damper from clean side
- f : butterfly damper for manual control from within false ceiling
- ra : mechanical damper to keep air flow rate constant as the pressure in duct varies.