

DIF.P FL - EE - WT

Terminal hoods for absolute filters

Product	DIF.P...
Class accord. Fed. Std. 209 E	from M 3,5 to M 7
Class accord. ISO 14644	from 5 to 8
Plenum	Polystyrene
Frame	Aluminium
Diffuser	Aluminium

These terminals have a double function: they are used as a housing for absolute filters and they distribute the air in the room.

DIF.P FL -EE - WT terminals are made of an anodized aluminium frame which holds the DELTA series, the mini-pleated absolute filter and a diffuser with different characteristics, according to the model:

- DIF.P - FL: unidirectional flow diffuser
- DIF.P -EE: turbulent flow diffuser with Coanda effect
- DIF.P - WT: high induction diffuser.

A thermal formed, polystyrene one-piece plenum, with circular collar, feeds the terminal with supply air from the treatment unit. The filter can have an "S" side collar or a top "T"

arrangement collar, only for sizes 42 - 4 - 9. The advantage of DIF.P 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.P 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,

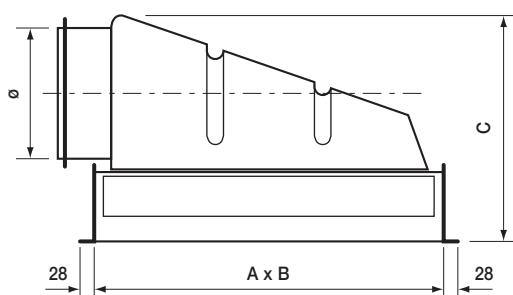
etc. The advantage of the DIF.P FL -EE - WT terminals is their great application versatility which meets several requirements.

Installation DIF.P 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. 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		m³/h	m³/sx10 ⁻³ *		A	B	C
DIF.P										
3	326 x	326 x	345	173	150	42	20	305 x	305 x	69
42	326 x	631 x	345	173	300	84	20	305 x	610 x	69
43	478 x	478 x	345	173	350	97	20	457 x	457 x	69
44	534 x	534 x	365	198	500	135	20	515 x	515 x	69
4	631 x	631 x	365	198	600	167	30	610 x	610 x	69
8	631 x	935 x	445	248	900	250	30	915 x	610 x	69
9	631 x	1240 x	445	248	1200	333	30	1219 x	610 x	69
71**	789 x	789 x	445	248	950	264	30	762 x	762 x	69
3	326 x	326 x	345	173	270	75	20	305 x	305 x	69
42	326 x	631 x	345	173	500	139	20	305 x	610 x	69
43	478 x	478 x	345	198	600	167	20	457 x	457 x	69
44	534 x	534 x	365	198	850	236	20	515 x	515 x	69
4 x	631 x	631 x	365	248	1000	278	30	610 x	610 x	69
3	326 x	326 x	345	173	200	56	30	305 x	305 x	69
43	478 x	478 x	345	173	450	125	30	457 x	457 x	69
44	534 x	534 x	345	198	500	139	30	515 x	515 x	69
4	631 x	631 x	365	198	650	180	30	610 x	610 x	69
71**	789 x	789 x	445	248	950	264	40	762 x	762 x	69

*1 m³/s x 10⁻³ = 1 l/s

Size



Diffusers

diffuser FL



ISO 5 Class

diffuser WT



ISO 8 Class

diffuser EE



ISO 9 Class

DIF.1P FL - EE - WT

Terminal hoods for absolute filters

Type	Sizes (mm)					Collar ø	Weight	Nominal air flow rate Q.		Initial pressure drop
DIF.1P	A	B	C	(mm)	kg	m³/h	m³/sx10 ^{-3*}	Pa		
3	326	x	326	x	305	173	3	150	42	20
42	326	x	631	x	305	173	5	300	84	20
43	478	x	478	x	305	173	5	350	97	20
44	534	x	534	x	325	198	6	500	139	20
4	631	x	631	x	325	198	7	600	167	30
4 x	631	x	631	x	375	248	8	600	167	30
8	631	x	935	x	405	248	11	900	250	30
9	631	x	1240	x	405	248	12	1200	333	30
71**	789	x	789	x	405	248	11	950	264	30

3	326	x	326	x	305	173	3	270	75	20
42	326	x	631	x	305	173	5	500	139	20
43	478	x	478	x	305	173	5	600	167	20
44	534	x	534	x	325	196	6	850	236	20
4 x	631	x	631	x	375	248	8	1000	278	30

3	326	x	326	x	305	173	3	150	42	20
43	478	x	478	x	305	173	5	350	97	20
44	534	x	534	x	325	198	6	500	139	20
4	631	x	631	x	325	198	7	650	180	30
4 x	631	x	631	x	375	248	8	650	180	30
71**	789	x	789	x	405	248	11	950	264	30

*1 m³/s x 10⁻³ = 1 l/s

Diffusers technical features
pages 27 and 43

** DIF.A vesrion
with aluminium plenum

DIF.2P FL - EE - WT

Type	Sizes (mm)					Collar ø	Weight	Nominal air flow rate Q.		Initial pressure drop	Filter sizes (mm)					
DIF.2P	A	B	C	(mm)	kg	m³/h	m³/sx10 ^{-3*}	Pa	A	B	C					
3	326	x	326	x	395	173	4	150	42	20		305	x	305	x	90/115
42	326	x	631	x	395	173	6	300	84	20		305	x	610	x	90/115
43	478	x	478	x	395	173	6	350	97	20		457	x	457	x	90/115
44	534	x	534	x	415	198	7	500	139	20		515	x	515	x	90/115
4	631	x	631	x	415	198	8	600	167	30		610	x	610	x	90/115
4 x	631	x	631	x	465	248	9	600	167	30		610	x	610	x	90/115
8	631	x	935	x	495	248	13	900	250	30		915	x	610	x	90/115
9	631	x	1240	x	495	248	14	1200	333	30		1219	x	610	x	90/115
71**	789	x	789	x	495	248	13	950	264	30		762	x	762	x	90/115

3	326	x	326	x	395	173	4	270	75	20	305	x	305	x	90/115
42	326	x	631	x	395	173	6	500	139	20	305	x	610	x	90/115
43	478	x	478	x	395	173	6	600	167	20	457	x	457	x	90/115
44	534	x	534	x	415	196	7	850	236	20	515	x	515	x	90/115
4 x	631	x	631	x	465	248	9	1000	278	30	610	x	610	x	90/115

3	326	x	326	x	395	173	4	150	42	30	305	x	305	x	90/115
43	478	x	478	x	395	173	6	350	97	30	457	x	457	x	90/115
44	534	x	534	x	415	198	7	500	139	30	515	x	515	x	90/115
4	631	x	631	x	415	198	8	650	180	30	610	x	610	x	90/115
4 x	631	x	631	x	465	248	9	650	180	30	610	x	610	x	90/115
71**	789	x	789	x	495	248	13	950	264	30	762	x	762	x	90/115

*1 m³/s x 10⁻³ = 1 l/s