

Description

Mini pleat filter diffuser. It is composed of a laminar flow filter coupled with a circular inlet plenum. 4 models are available CFX, CFE, CFA, CFD with efficiency class from E10 to U15 (according to EN 1822:2009) each of them with 5 versions according to the installed accessories. It is commonly used in air controlled contamination environments, also in critical applications like clean rooms with laminar flow.

Filter media

Water repellent glass fibre paper folded with constantly calibrated spacing. Separation through continuous thermoplastic threads.

Construction

Extruded anodised aluminium frame, white micro-expanded protection mesh. Sealed galvanised steel cover, circular inlet $\varnothing 250$ mm. Polyurethane sealant. Upon request you can have: one piece endless gasket on the clean side, inlets with different diameters.

Disposal

Filter not regenerable (CER 15 02 03 / 15 02 02* depending on usage).

Operating range

Maximum temperature: 80 °C (continuous operation)

Maximum relative humidity: 100%

Recommended final pressure drop: 250 Pa

Applications

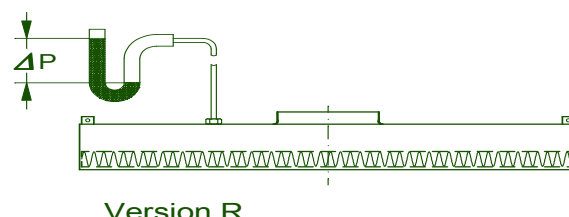
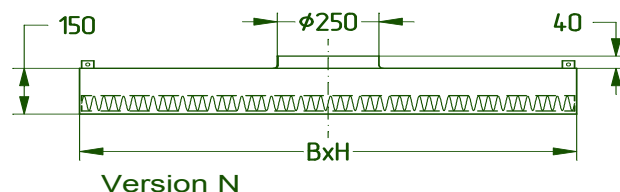
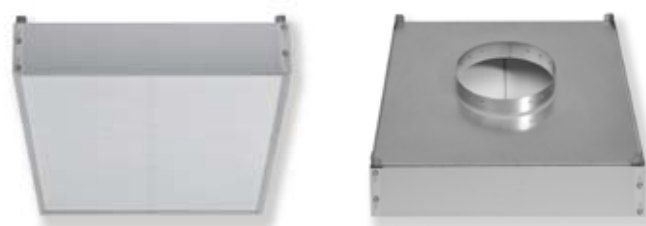
Absolute air filtration in terminal unidirectional vertical flow systems.

Executions

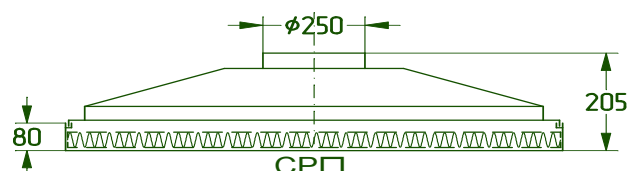
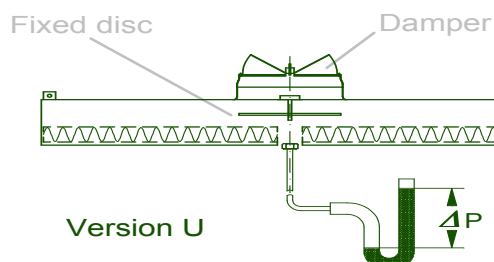
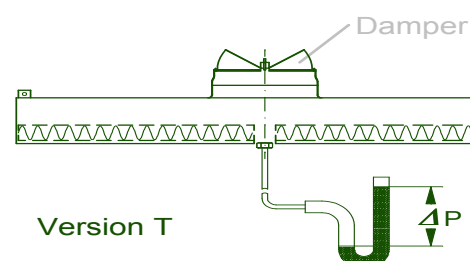
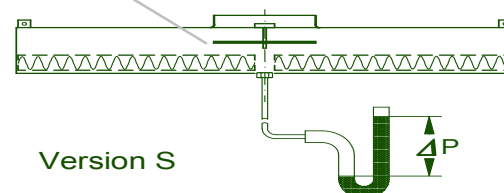
- | | |
|---------------|---|
| CF□-N | standard version |
| CF□-R | with pressure drop connection on the cover |
| CF□-S | with face pressure drop connection and disc adjustment damper |
| CF□-T | with face pressure drop connection and multi-blade adjustment damper |
| CF□-U | with face pressure drop connection, multi-blade adjustment damper and equalizing disc |
| CP□-□ | with cover in thermoformed plastic (only for type 2424 and 2448) |
| CF□-□X | with micro-expanded protection mesh in stainless steel |

Related products

- | | |
|------------|---|
| BST | Counter ceiling modular system series BIO-SYSTEM |
|------------|---|



Adjustable disc



CFX class E10*					
Type	B x H (mm)	q _v (m³/h)	ΔP _i (Pa)	S _f (m²)	M (kg)
2412	610x305	300	80	5,5	7
2424	610x610	600	80	11	10
2448	1220x610	1200	80	22	16
2436	915x610	900	80	16	13
3636	915x915	1350	80	25	18
2311	600x300	300	80	5,5	7
2323	600x600	600	80	11	10
2335	905x600	900	80	16	13
2347	1210x600	1200	80	22	16

CFE class H13*					
Type	B x H (mm)	q _v (m³/h)	ΔP _i (Pa)	S _f (m²)	M (kg)
2412	610x305	300	110	5,5	7
2424	610x610	600	110	11	10
2448	1220x610	1200	110	22	16
2436	915x610	900	110	16	13
3636	915x915	1350	110	25	18
2311	600x300	300	110	5,5	7
2323	600x600	600	110	11	10
2335	905x600	900	110	16	13
2347	1210x600	1200	110	22	16

q_v nominal air volume flow
 ΔP_i initial pressure drop ± (20 Pa) at q_v
 S_f filter surface
 M mass
 * according to EN 1822:2009

CFA class H14*					
Type	B x H (mm)	q _v (m³/h)	ΔP _i (Pa)	S _f (m²)	M (kg)
2412	610x305	300	120	5,5	7
2424	610x610	600	120	11	10
2448	1220x610	1200	120	22	16
2436	915x610	900	120	16	13
3636	915x915	1350	120	25	18
2311	600x300	300	120	5,5	7
2323	600x600	600	120	11	10
2335	905x600	900	120	16	13
2347	1210x600	1200	120	22	16

CFD class U15*					
Type	B x H (mm)	q _v (m³/h)	ΔP _i (Pa)	S _f (m²)	M (kg)
2412	610x305	300	140	5,5	7
2424	610x610	600	140	11	10
2448	1220x610	1200	140	22	16
2436	915x610	900	140	16	13
3636	915x915	1350	140	25	18
2311	600x300	300	140	5,5	7
2323	600x600	600	140	11	10
2335	905x600	900	140	16	13
2347	1210x600	1200	140	22	16

q_v nominal air volume flow
 ΔP_i initial pressure drop ± (20 Pa) at q_v
 S_f filter surface
 M mass
 * according to EN 1822:2009

