EGQ-PUSH Exhaust egg crate grille 13x13 mm with filter



Description

Exhaust egg crate grille 13x13 mm pitch for false ceiling installation with double frame with hinged opening and push-pull system for easy storage and replacement of the filter.

Characteristics

Material: aluminium.
Finish: anodized aluminium.
Installation: with screws on internal frame.
Filter: COARSE class (G2) thickness 12 mm.
Opening / closing: push-pull system.

Installation

L'installazione viene eseguita fissando il telaio esterno della griglia al muro mediante viti o, per applicazione su controsoffitti modulari 600x600, in appoggio alla struttura metallica al posto del pannello.

Use

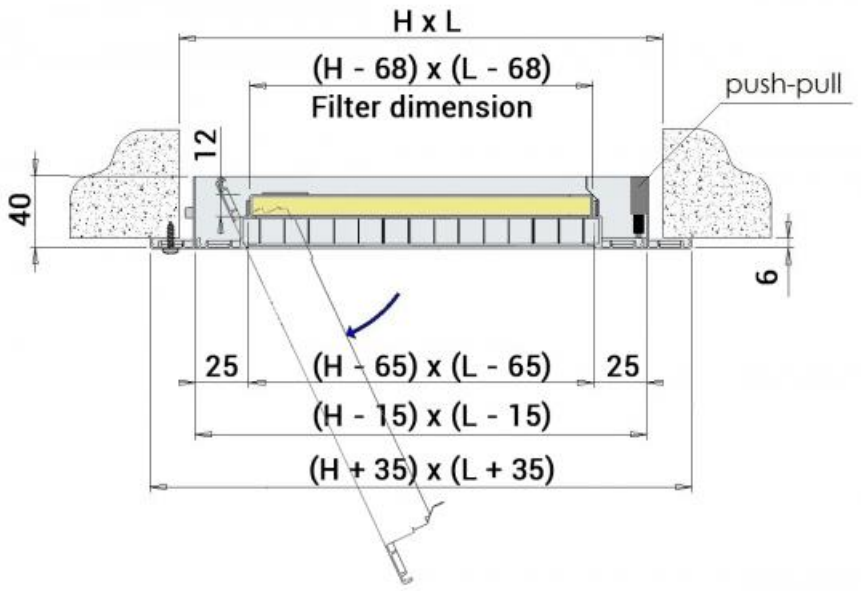
Suitable for the external or indoor air intake where a pre-filtration of dust is needed.
We recommend not to exceed the front speed of 1,5 m/s. Initial pressure drop lower than 40 Pa.

Accessories

- EPZ plenum galvanized;
- EPI plenum isolated.

On demand

-Closing with a screws or magnets;
-white painting RAL 9016 or different RAL colors;
-special dimensions;
-egg crate grille version 13x13 mm with an inclination of 45°.



Effective section

H	L						
	200	300	400	500	600	800	1000
	sezione efficace della griglia m^2						
200	0,018	0,031	0,045	0,058	0,071	0,098	0,124
300	0,031	0,054	0,078	0,101	0,124	0,170	0,217
400	0,045	0,078	0,111	0,144	0,177	0,243	0,309
500	0,058	0,101	0,144	0,187	0,230	0,315	0,401
600	0,071	0,124	0,177	0,230	0,282	0,388	0,493

Operating data

m^3/h: air flow
Pa: pressure drop in Pascal
dB(A): noise level

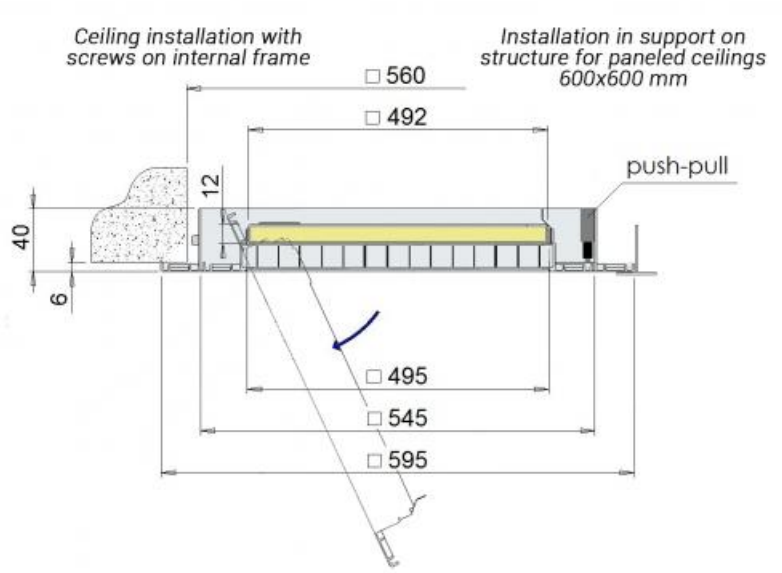
The air speed on the filter of 1,5 m/s is recommended to contain pressure drops and maintain filtration efficiency;
the air flow data in the table refer to the grill with the filter.

Dimensions are expressed in mm.

H	V m/s	L						
		200	300	400	500	600	800	1000
	Front speed on the filter	Air flow rate m^3/h						
200	1,5	63	121	180	238	296	413	530
	2	84	162	240	317	395	551	706
300	1,5	121	234	346	458	571	795	1020
	2	162	312	461	611	761	1060	1360
400	1,5	180	346	512	679	845	1178	1510
	2	240	461	683	905	1127	1570	2014
500	1,5	238	458	679	899	1119	1560	2000
	2	317	611	905	1199	1492	2080	2667
600	1,5	296	571	845	1119	1394	1942	2491
	2	395	761	1127	1492	1858	2590	3321

Operating data for the version for suspended ceilings

model	external frame size	effective section of the grid	effective filter section	Front speed on the filter	air flow rate
	mm	m^2	m^2	m/s	m^3/h
EGQ-PUSH	595x595	0,229	0,218	1,5	1180
				2	1570



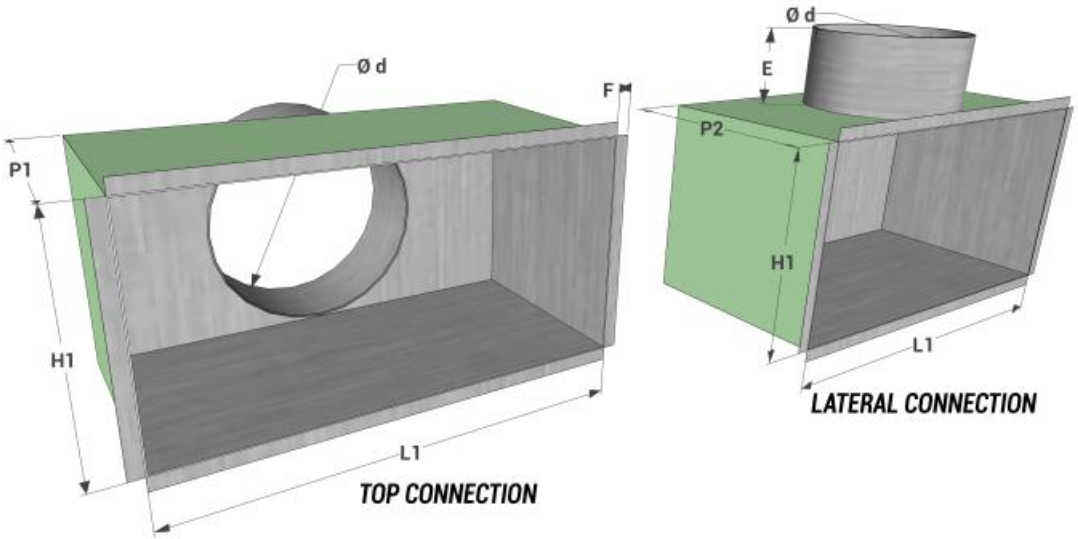
Noise level dB(A)

V m/s	dB(A)
1,5	<20
2	20/25

Pressure drop (Pa)

V m/s	Pa
1,5	25/30
2	45/50

Plenum



model L1 x H1	upper air connection			side air connection			E	F	model L1 x H1	upper air connection			side air connection			E	F
	P1	n° connection	Ø d	P2	n° connection	Ø d				P1	n° connection	Ø d	P2	n° connection	Ø d		
200x200	200	1	198	300	1	198	80	12	500x300	200	1	248	350	1	248	80	12
300x200	200	1	198	300	1	198	80	12	600x300	200	2	198	350	2	248	80	12
400x200	200	1	198	300	1	198	80	12	800x300	200	2	248	350	2	248	80	12
500x200	200	1	198	300	1	198	80	12	1000x300	200	2	248	350	2	248	80	12
600x200	200	2	198	300	2	198	80	12	400x400	200	1	298	350	1	298	80	12
800x200	200	2	198	300	2	198	80	12	500x400	200	1	298	350	1	298	80	12
1000x200	200	2	198	300	2	198	80	12	600x400	200	2	198	350	2	248	80	12
300x300	200	1	248	350	1	248	80	12	800x400	200	2	298	350	2	298	80	12
400x300	200	1	248	350	1	248	80	12	1000x400	200	2	298	400	2	298	80	12

Plenum box for grid version from false ceiling with squares

All dimensions are espressed in mm.

model L1 x H1	side air connection			E	F
	P2	n° connection	Ø d		
560x560	300	1	250	80	12

Price list

White painted RAL 9016 + 20%

H	L						
	200	300	400	500	600	800	1000
	euro	euro	euro	euro	euro	euro	euro
200	⌄	⌄	⌄	⌄	⌄	⌄	⌄
300	⌄	⌄	⌄	⌄	⌄	⌄	⌄
400	⌄	⌄	⌄	⌄	⌄	⌄	⌄
500	⌄	⌄	⌄	⌄	⌄	⌄	⌄
600	⌄	⌄	⌄	⌄	⌄	⌄	⌄

Grid price list for squared ceiling version

White painted RAL 9016 + 20%

model	external frame size	euro
	mm	
EGQ-PUSH	595x595	⌄

Plenum

dimensions	upper air connection		side air connection	
	EPZ galvanized plenum	EPI isolated plenum	EPZ galvanized plenum	EPI isolated plenum
L1xH1	**euro**	**euro**	**euro**	**euro**
200x200	⌄	⌄	⌄	⌄
300x200	⌄	⌄	⌄	⌄
400x200	⌄	⌄	⌄	⌄
500x200	⌄	⌄	⌄	⌄
600x200	⌄	⌄	⌄	⌄
800x200	⌄	⌄	⌄	⌄
1000x200	⌄	⌄	⌄	⌄
300x300	⌄	⌄	⌄	⌄
400x300	⌄	⌄	⌄	⌄
500x300	⌄	⌄	⌄	⌄
600x300	⌄	⌄	⌄	⌄
800x300	⌄	⌄	⌄	⌄
1000x300	⌄	⌄	⌄	⌄
400x400	⌄	⌄	⌄	⌄
500x400	⌄	⌄	⌄	⌄
600x400	⌄	⌄	⌄	⌄
800x400	⌄	⌄	⌄	⌄
1000x400	⌄	⌄	⌄	⌄

Plenum for grille version from false ceiling with squares

dimensions	side air connection	
	EPZ galvanized plenum	EPI isolated plenum
L1xH1	**euro**	**euro**
560x560	⌄	⌄