ES50 Aluminium wall overpressure dampers 50 mm pitch

Description

Aluminium dampers with gravity-moving, interconnected blades.

Characteristics

Natural anodised aluminium frame.

Moulded natural aluminium sheet blades.

Use

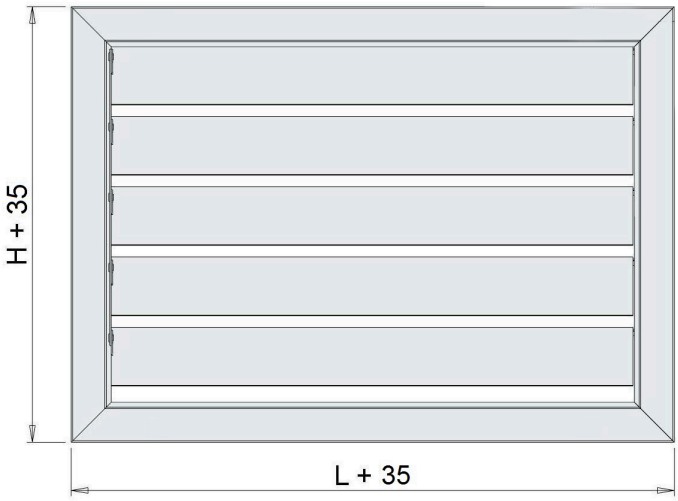
Installed outside buildings to expel or supply air, ensuring an optimal seal (without air flow).

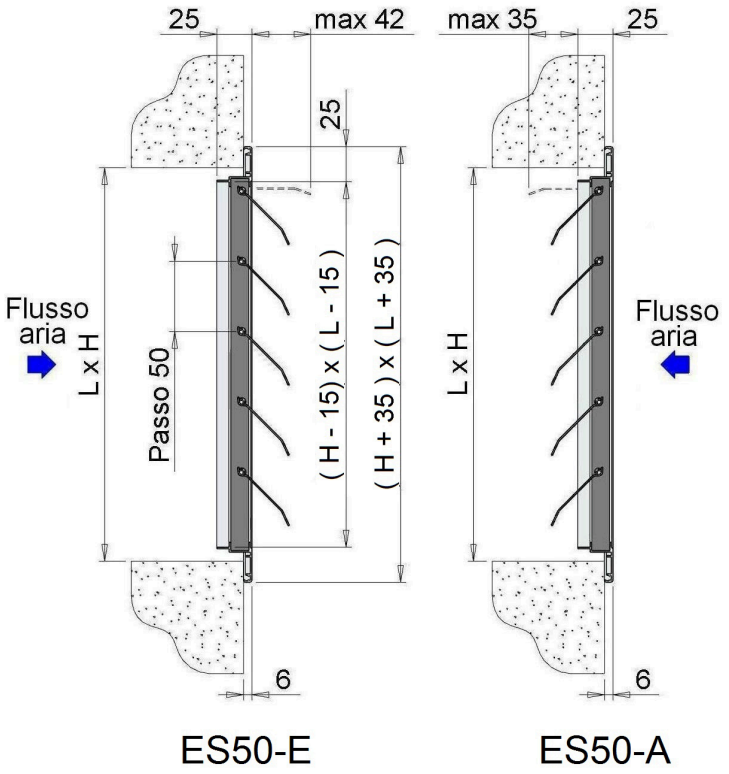
Models

- ES50-A - Exhaust damper.
- ES50-E - Supply damper.

On request

- With bird mesh for exhaust with a spacer;
- With bird mesh for supply;
- Holes for fastening with screws.





Effective Cross-section

H	L				
	200	300	400	500	600
	Effective Cross-Section (m2)				
200	0,026	0,041	0,055	0,070	0,085
300	0,043	0,068	0,093	0,117	0,142
400	0,61	0,095	0,130	0,164	0,199
500	0,078	0,123	0,167	0,212	0,256
600	0,095	0,150	0,204	0,259	0,313

Operating Data

- min: Minimum speed recommended 3m/s.
- max: Maximum speed recommended 10m/s.

H	L									
	200		300		400		500		600	
	min (m³/h)	max (m³/h)	min (m³/h)	max (m³/h)	min (m³/h)	max (m³/h)	min (m³/h)	max (m³/h)	min (m³/h)	max (m³/h)
200	285	945	445	1480	605	2015	765	2545	925	3080
300	475	1570	740	2460	1010	3355	1275	4245	1540	5135
400	660	2200	1035	3445	1410	4695	1785	5940	2160	7190
500	850	2825	1330	4430	1810	6035	2295	7635	2775	9240
600	1035	3450	1625	5415	2215	7375	2800	9335	3390	11295

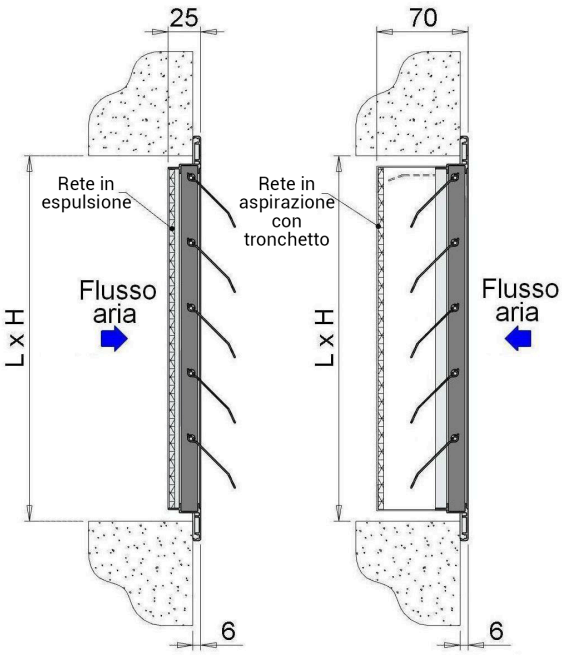
Pressure Drops

- V: speed referring to the cross-section (L-15)x(H-15) [m/s].
- Δpt: total pressure drop [Pa].

*: operation not guaranteed.

V [m/s]	Δpt [Pa]
1	10
2	12
3	18
4	26
5	36
6	52
7*	70
8*	94
9*	126

Bird Aesh



ES50-A - ES50-E Price List

- Note:
  - bird screen on exhaust +30%.
  - Bird screen on intake: price on request.
  - Insect screen: price on request.
- L: width. H: height.

All dimensions are expressed in mm. ES50-E version available from stock for exhaust application.

H	L				
	200	300	400	500	600
	Eur	Eur	Eur	Eur	Eur
200	41,01	45,91	49,85	54,75	59,61
300	48,85	53,74	59,61	65,48	69,41
400	55,71	61,60	69,41	76,22	81,13
500	62,54	69,41	77,19	86,98	92,84
600	71,17	77,19	87,94	96,78	104,57