

CEVH-1P



Catalogue Series CEVH-1P



Smoke evacuation damper

Product description

Smoke evacuation damper with 1-blade (1P) swivelling closure, designed to be used for the supply of primary air and smoke evacuation in public buildings and high-rise buildings. Approved in accordance with EN 1366-10. Designed according to EN 12101-8 specifications.

Composed of a structure with a refractory material externally, sheet steel internally and a hinged door made of a refractory material. For installation in vertical smoke evacuation ducts, with the option of a metal mounting frame previously fixed to the duct. The face that is on display within the room has the option of a decorative plate made of a refractory material (CEVH-1P + DECO) and/or a protective and decorative grille specific for smoke evacuation, model RPK, made of anodised aluminium profiles. Certified in accordance with standard UNE-EN-1366-10. Classified in accordance with EN 13501-4: EI 120 (ved i↔o) S 1500 AA multi.

CEVH-1P smoke evacuation dampers carry CE marking No. 0370-CPR-3051 in accordance with the European Construction Products Regulation RPC-305, according to EN12101-8.

Dimensions

The CEVH 1P damper is available with the following dimensions:

Minimum dimension LxH (mm) - 300x385
Maximum dimension LxH (mm) - 700x1100.

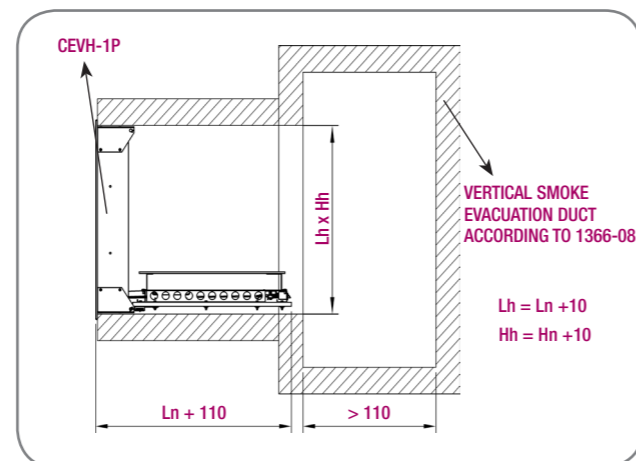
Operation

Activation (opening) by means of electric shunt release coil with manual/motorised reset (closing). Optional end of run limit switch/es. Types of coil (electromagnet) available:

- Electric shunt release 24 V – DC.
- Electric shunt release 48 V – DC.
- Electric shunt release 24 V – AC.
- Electric shunt release 48 V – AC.
- Electric shunt release 220 V – AC.

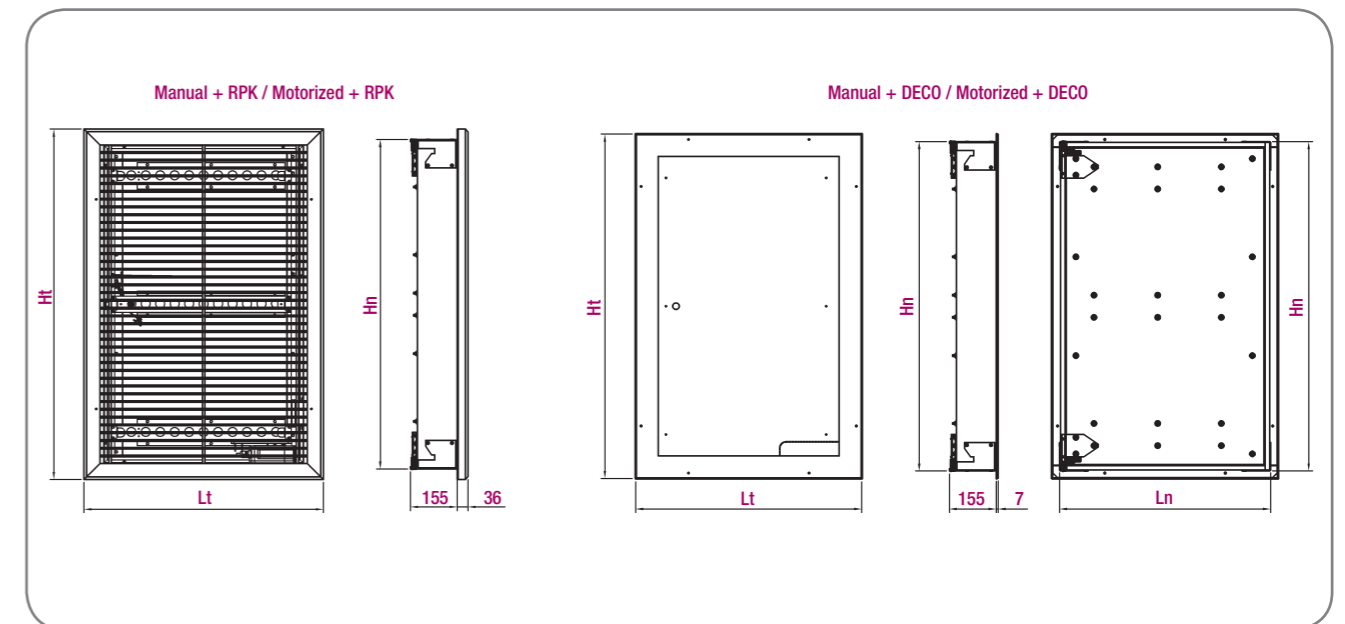
The activation and reset mechanism is incorporated in the lower front part of the damper protected from passing smoke and high temperatures.

Installation



For more information refer to catalogue.

General dimensions



Free area (m²)

Height Hn (in mm)	Length Ln (in mm)								
	300	350	400	450	500	550	600	650	700
385	0,12	0,13	0,15	0,17	0,19	0,21	0,23	0,25	0,27
400	0,12	0,14	0,16	0,18	0,20	0,22	0,24	0,26	0,28
450	0,14	0,16	0,18	0,2025	0,225	0,2475	0,27	0,2925	0,315
500	0,15	0,18	0,20	0,225	0,25	0,275	0,30	0,325	0,35
550	0,17	0,19	0,22	0,2475	0,275	0,3025	0,33	0,3575	0,385
600	0,18	0,21	0,24	0,27	0,30	0,33	0,36	0,39	0,42
650	0,20	0,23	0,26	0,2925	0,325	0,3575	0,39	0,4225	0,455
700	0,21	0,25	0,28	0,315	0,35	0,385	0,42	0,455	0,49
750	0,23	0,26	0,30	0,3375	0,375	0,4125	0,45	0,4875	0,525
800	0,24	0,28	0,32	0,36	0,40	0,44	0,48	0,52	0,56
850	0,26	0,30	0,34	0,3825	0,425	0,4675	0,51	0,5525	0,595
900	0,27	0,32	0,36	0,405	0,45	0,495	0,54	0,585	0,63
950	0,29	0,33	0,38	0,4275	0,475	0,5225	0,57	0,6175	0,665
1000	0,30	0,35	0,40	0,45	0,50	0,55	0,60	0,65	0,70
1050	0,32	0,37	0,42	0,4725	0,525	0,5775	0,63	0,6825	0,735
1100	0,33	0,39	0,44	0,495	0,55	0,605	0,66	0,715	0,77

Pressure loss ≤ 20 Pa if velocity at damper is ≤ 8 m/s

LEGEND

- P = Blade depth.
- Lt = Overall length.
- Ht = Overall height.
- Lh = Duct internal length.
- Hh = Duct internal height.
- Ln = Damper Nominal length.
- Hn = Damper nominal height.

FORMULARY

- P = Ln + 110
- CEVH-1P+DECO** Lt = Ln + 50
- CEVH-1P+RPK** Lt = Ln + 94
- Ht = Hn + 50
- Ht = Hn + 70