

### Smoke extraction shutter EK

Smoke extraction shutter type EK in RAL 9010 in aesthetical design, easy to install.

#### Range of application

Due to the large free cross-section with low pressure loss, the EK is particularly well suited as a connecting element for an active or passive discharge shaft of smoke protection pressure systems. The smoke extraction shutter prevents the vertical spread of fire in the building and, by opening on the fire floor, creates a targeted outflow path.

#### Mounting

Simple installation by the system builder or installer using the EBR or EBR-F accessories.

#### Electrical connection / actuator

Including actuator 24/48 V DC, 4W, limit position switch (CLOSE/OPEN), IP42. No intermediate position possible, damper must open fully (90°).

#### Certification

Certified according to EN 12101-8 with CE marking for vertical installation in fire resistant ducts and concrete shafts.

#### Fire resistance

120 min

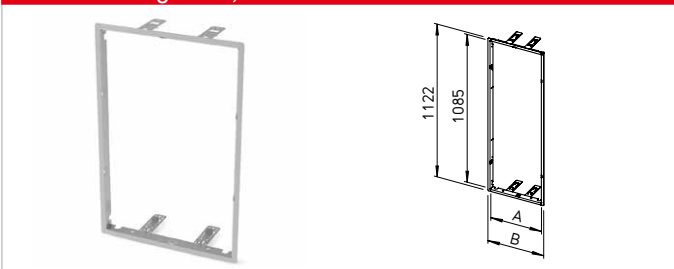
#### Classification

EI 120 ( $v_{eg}$  i ↔ o) S 1500 C10000 AA multi (see declaration of performance)

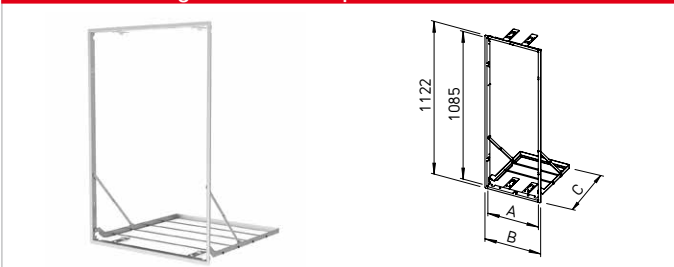
Other sizes are available on request (width: 350 - 700 mm, height: 385 - 1075 mm)

### Accessories

#### EBR – Mounting frame, standard

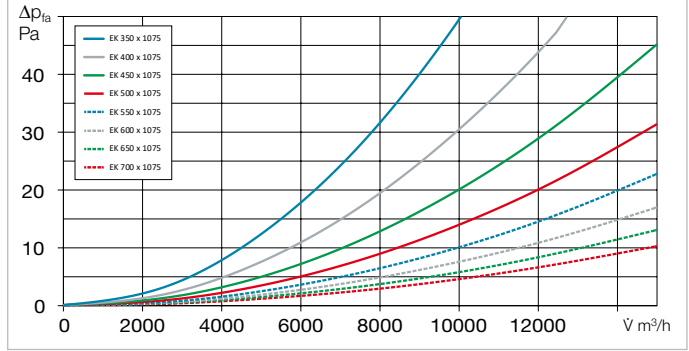


#### EBR-F – Mounting frame with fall protection



Installation side by side or one above the other possible with minimum distance (minimum distance of 100 mm), as well as with right or left stop. Note: From a parapet height of 90 cm, the use of the EBR-F is recommended (respective state building codes must be observed).

### Pressure loss smoke extraction shutter EK



Type	Ref. no.	Dimensions in mm			Pressure loss coefficient (Zeta)	free cross section (m²)
		A	B	max. shutter opening		
EK 350 x 1075	40637	350	404	422	1,122	0,324
EK 400 x 1075	40638	400	454	472	0,926	0,375
EK 450 x 1075	40639	450	504	522	0,792	0,427
EK 500 x 1075	40640	500	554	572	0,692	0,479
EK 550 x 1075	40641	550	604	622	0,616	0,531
EK 600 x 1075	40642	600	654	672	0,556	0,583
EK 650 x 1075	40643	650	704	722	0,508	0,635
EK 700 x 1075	40644	700	754	772	0,467	0,686

Type	Ref. no.	Dimensions in mm	
		A	B
EBR 350 x 1075	40645	360	397
EBR 400 x 1075	40646	410	447
EBR 450 x 1075	40647	460	497
EBR 500 x 1075	40648	510	547
EBR 550 x 1075	40649	560	597
EBR 600 x 1075	40650	610	647
EBR 650 x 1075	40651	660	697
EBR 700 x 1075	40652	710	747

Type	Ref. no.	Dimensions in mm		
		A	B	C
EBR-F 350 x 1075	40653	360	397	432
EBR-F 400 x 1075	40654	410	447	482
EBR-F 450 x 1075	40655	460	497	532
EBR-F 500 x 1075	40656	510	547	582
EBR-F 550 x 1075	40657	560	597	632
EBR-F 600 x 1075	40658	610	647	682
EBR-F 650 x 1075	40659	660	697	732
EBR-F 700 x 1075	40660	710	747	782