

EAGLE Wall b

Installation – Commissioning – Maintenance

20210525

Installation

See Figure 1.

1. Cut the opening in the wall. The size of the opening should be according to dimensions I x J, which are given in the Dimensions table on page 2.
2. Place the commissioning box in the opening.
3. Insert the mounting frame into the commissioning box and secure it with screws in the short sides to the commissioning box and to the wall structure.
4. The assembly and dismantling of the component parts are shown in Figure 1.
5. Press the diffuser face to engage it in the mounting frame.

Commissioning

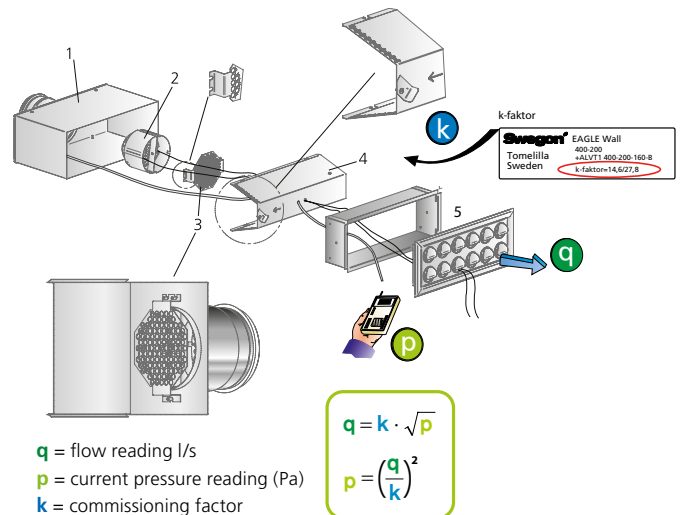
Commissioning must be carried out with the diffuser face mounted. Pull the measuring tube and the damper adjustment cords out of the air diffuser through a disc. Connect a manometer to the measuring tube. The desired commissioning pressure can be calculated using the rated coefficient of performance of the air diffuser. Set the damper to the correct blade position, tie a commissioning knot in the damper cords to indicate the damper position, then lock the cords.

Maintenance

The air diffuser can be cleaned, if necessary, using luke-warm water with dishwashing detergent added or by vacuum cleaning using a brush nozzle. The duct system can be accessed after the air diffuser section has been removed, the acoustic baffle has been withdrawn, the air distribution discs have been moved to the side and the damper has been turned and withdrawn from its fastener from the inlet. See Figure 1.

Environment

The Building Materials Declaration is available from www.swegon.com.



To secure baffle (4) in bayonet catch and to secure the octagonal perforated face plate (3) against the duct connection.

1. Commissioning box
2. Damper action, bayonet catch
3. Octagonal air distribution plate
4. Air distribution plate
5. Mounting frame + air diffuser

Figure 1. Installation. Commissioning.

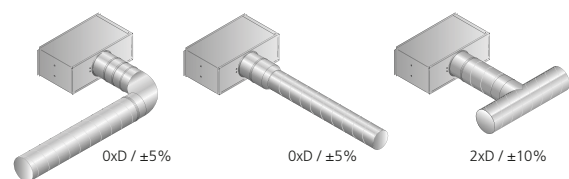


Figure 2. Installation alternatives, applies for all connections (B, K)

Dimensions and Weights

EAGLE W

Size	A	B	ØD	F	G	G2	K	L	M	I x J	Weight, kg
300-150	330	180	99	295-375	225-305	270-350	85	145-225	195-275	305 x 155	3.0
400-150	430	180	124	295-375	225-305	331-411	85	180-260	240-320	405 x 155	3.5
400-200	430	230	159	315-395	225-305	331-411	100	145-225	225-305	405 x 205	4.0
550-250	580	280	199	360-440	251-331	371-451	120	145-225	245-325	555 x 255	6.5
550-300	580	330	249	385-465	251-331	425-505	145	145-225	275-355	555 x 305	7.5

Size of opening = I x J

The G2, K, L and M dimensions are applicable to a side-connected commissioning box.

ALVT 1 frame

Size	A	B	L
300-150	330	180	230
400-150	430	180	230
400-200	430	230	230
550-250	580	280	255
550-300	580	330	255

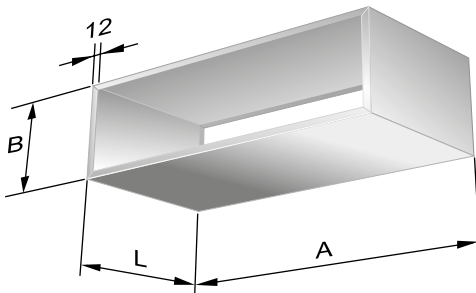


Figure 3. ALVT 1 frame.



Figure 4. Open slot.

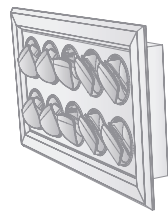


Figure 5. Closed slot.

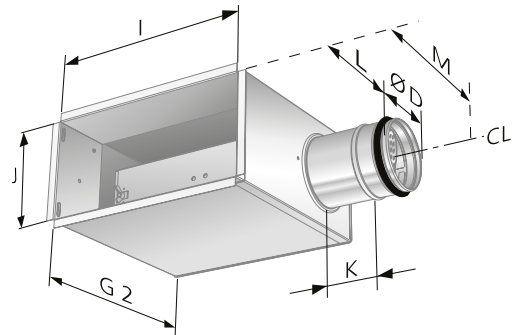
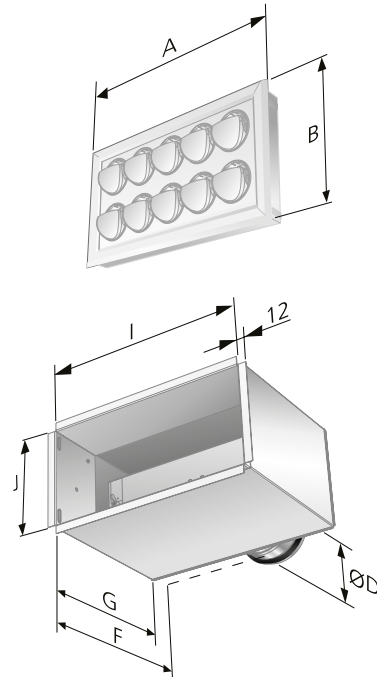


Figure 6. EAGLE Wall with ALV commissioning box.

Rated coefficient of performance

EAGLE W and ALV

ALVe	EAGLE Wall, supply air				
	Size	Connection, rear		Connection, short side	
		Size	Closed slot	Open slot	Closed slot
300-150-100	300-100	7.8	9.2	7.2	8.1
400-150-125	400-150	9.9	11.8	9.6	11.1
400-200-160	400-200	14.8	17.1	14	15.9
550-250-200	550-250	25.5	27.8	24.4	26.8
550-300-250	550-300	31.1	33.9	30.5	33.4