

ROE_a

Installation – Commissioning – Maintenance

20140109

Installation

Size of opening, see the dimensions of the connecting duct. Place the mounting frame in the mounting plate and insert it into the connecting duct. Secure it with blind rivets from the inside. Be careful when positioning the blind rivets so that they will not be in the way when you fit the exhaust register in the mounting frame. Rotate the diffuser into the bayonet fasteners of the mounting frame.

After you have finished commissioning to exhaust register, secure the protective screen using the steel blind rivets supplied. See Figure 1.

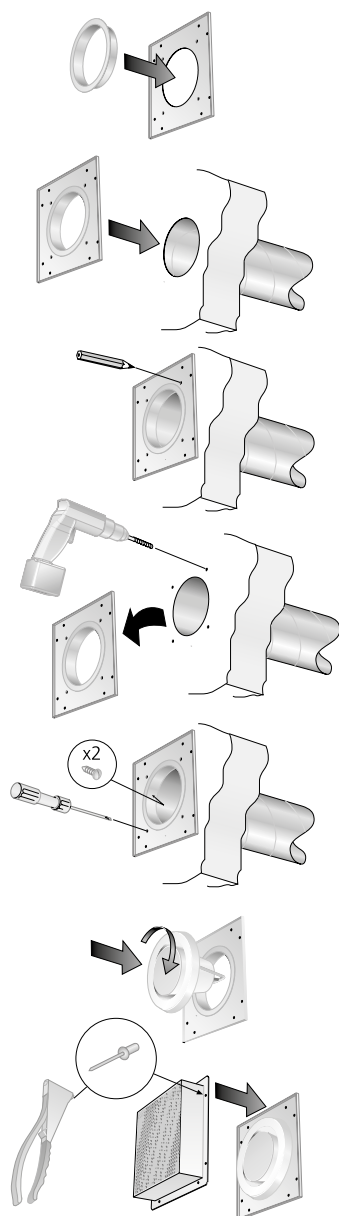


Figure 1. Installation.

Commissioning

Rotate the inner cone clockwise (-) to increase the pressure drop and counterclockwise (+) to decrease it. Lock the position of the cone by tightening the lock nut on the rear side of the exhaust register.

Commission the exhaust register by measuring the pressure or the airflow. For pressure measurement, use a so-called "measuring hook" and for airflow measurement use a commonly marketed airflow meter. See Figures 2 and 3.

The rated coefficient of performance (K-factor) is specified on the identification label of the product and in the relevant commissioning instructions at www.swegon.com.

Maintenance

The exhaust register can be cleaned, if necessary, using lukewarm water with dishwashing detergent added or by vacuum cleaning using a brush nozzle. The duct system can be reached for cleaning by turning the exhaust register out of its mounting frame after you have removed the protective screen.

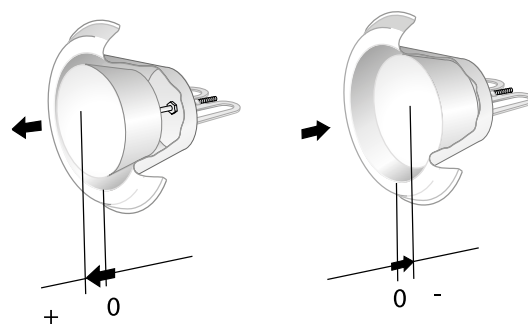


Figure 2. Commissioning.

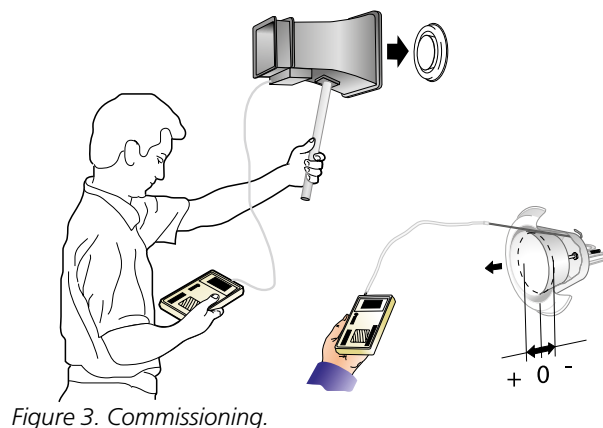


Figure 3. Commissioning.

Dimensions and weights

ROE

Size	Dimensions (mm)						Weight (kg)
	A	B	C	ØD	Ød	E	
100	265	225	60	103	99	63	0,5
125	265	225	60	128	124	78	0,6
160	265	225	60	163	159	78	0,8
200	330	290	60	203	199	101	1,3

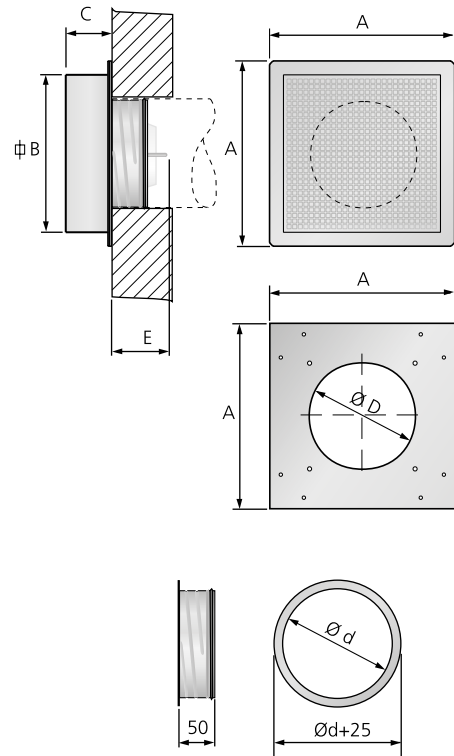


Figure 4. ROE.

K-factor – ROEa

Cone position	Size			
	100	125	160	200
-15	0,6	–	–	–
-12	0,8	–	–	–
-10	1,0	1,3	2,0	–
-5	1,4	1,9	2,8	–
-3	–	–	–	1,8
0	1,8	2,6	3,6	2,6
+5	2,3	3,2	4,5	3,8
+10	2,7	3,9	5,4	5,2
+15	–	–	6,2	6,4
+20	–	–	–	7,5
+25	–	–	–	8,6

Measured with a test probe