

# DPG<sub>d</sub>

Installation – Commissioning – Maintenance

20150101

## Installation

Size of opening, see the dimension print. Place the mounting frame in the opening and secure it with screws to the building structure. Rotate the diffuser face to engage it in the mounting frame. See Figure 2.

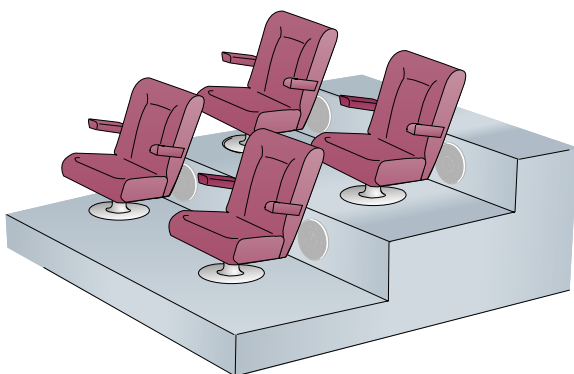
## Commissioning

Swegon recommends that the space behind the air diffuser be used as a pressure chamber. Equip the connecting duct to the relevant pressure chamber with a type CRM measurement and commissioning damper. If the air diffuser is used as an ALS commissioning damper, adjust the airflow by placing the manometer measuring tube directly against the centre hole in the diffuser face. See Figure 2.

Measurement accuracy and requirement on straight duct before the commissioning box, see Figure 2. The requirements of straight duct depends on the type of disturbance before the commissioning box. Figure 2 shows a bend, a dimensional change and a T-piece. Other types of disturbances requires at least 2xD straight (D = connection dimension) for measurement accuracy of ± 10% of the flow.

## 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. See Figure 2.



Figur 1. DPG Installation principle.

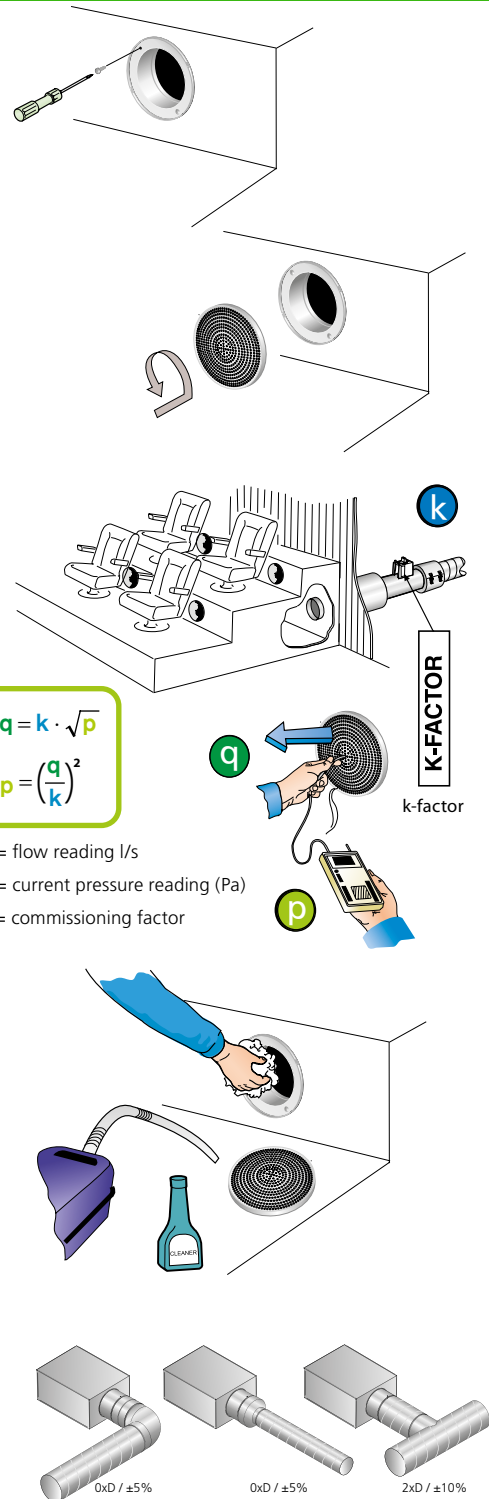
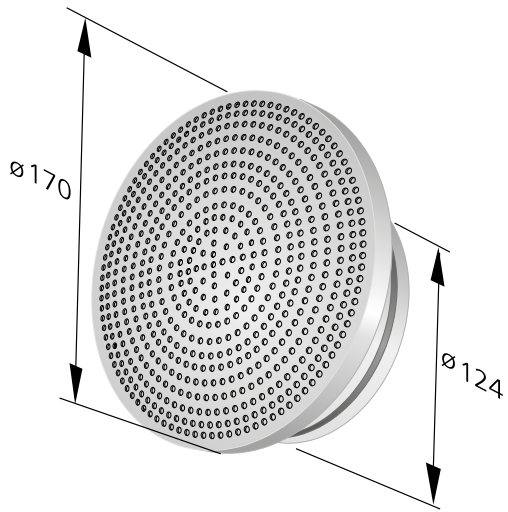


Figure 2. Installation, Commissioning, Maintenance

# Dimensions and Weights K-factor (COP)



ALS Size	DPG		
	Size	Supply air	Tube colour
100-125	125-0	3,8	Red

Number of measuring tubes: 1

Figure 3. DPG. Weight: 0.5 kg.

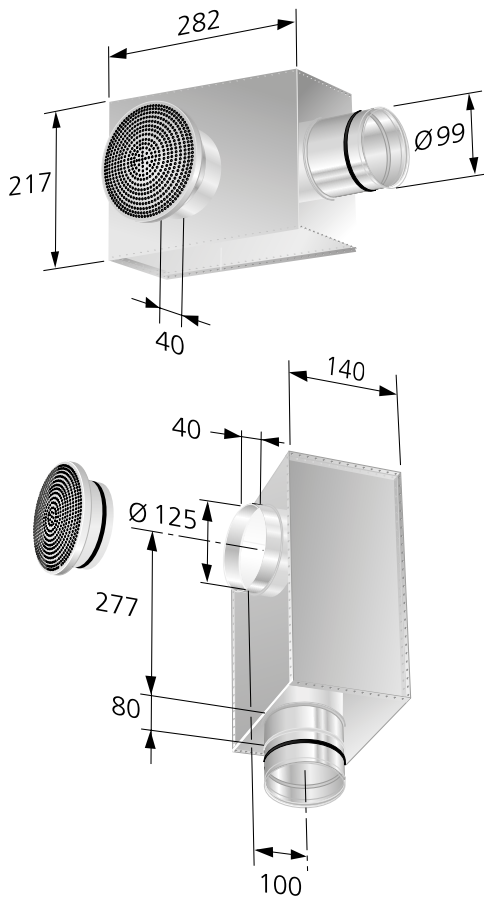


Figure 4. DPG with ALS commissioning damper.