

DIR_C

Installation – Commissioning – Maintenance

2011222

Accessories

Connecting duct:

DIRT 4. Rectangular connecting duct with circular spigot fitted with rubber seal ring. The connection duct is telescopic, 300 mm high.

Installation

Install the backing box and the connecting duct before you install the wall board. Secure the backing box to the wall studs with screws through the sides of the backing box. See the dimension table for the dimensions of the opening for the inlet spigot of the connecting duct. Cut the opening in the wall board according to the dimensions specified in the dimension sketch. Install the wall board, then insert the mounting frame into the backing box and fix it in position with screws. Lastly hang the air diffuser face over the mounting frame. See Figure 1.

Commissioning

The measurement tapping is positioned at the bottom edge of the air diffuser. The K-factor (COP) is specified on the product's identification label. K-factors (COP) can also be found in the relevant commissioning instructions available at www.swegon.com and at the end of this document. We recommend that you use a type CRM measurement and commissioning damper in the connecting duct upstream of the air diffuser's inlet spigot for adjusting the airflow. See Figure 2.

To regulate how the air is supplied to the room, turn the air diffuser's Varizon®discs for air discharge in the desired direction. A straight air discharge can be achieved by taking the disc out of the diffuser, turning it 180° and reinserting it back into place. See Figure 3.

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 by removing the diffuser face and the air distribution panel.

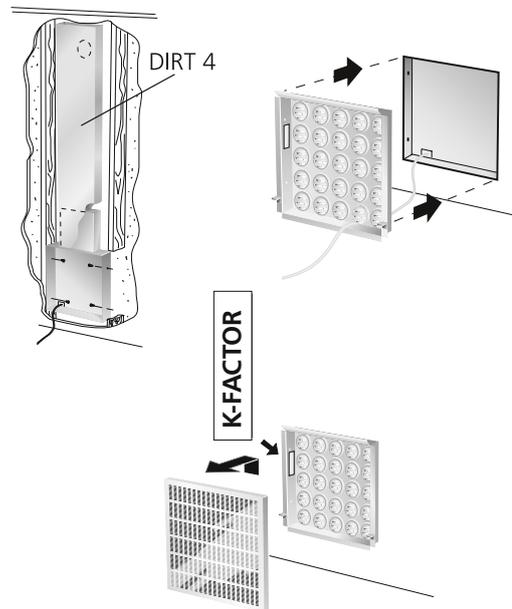


Figure 1. Installation.

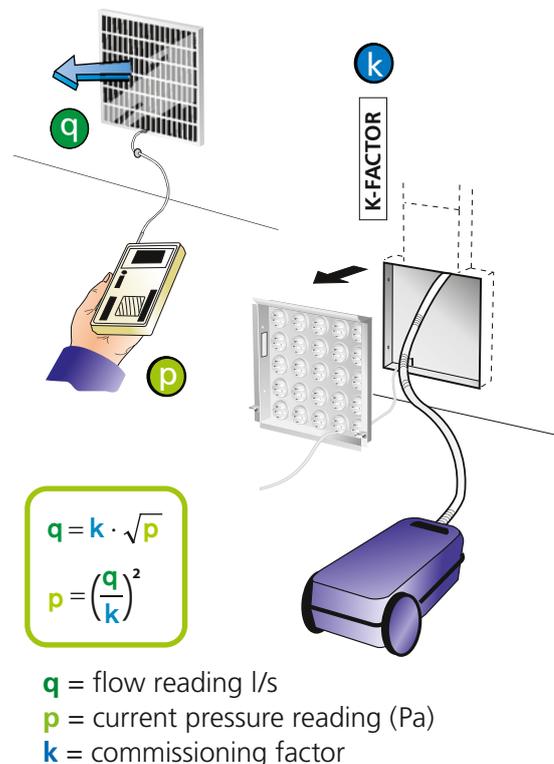


Figure 2. Commissioning, Maintenance.

Disc adjustment – Varizon®

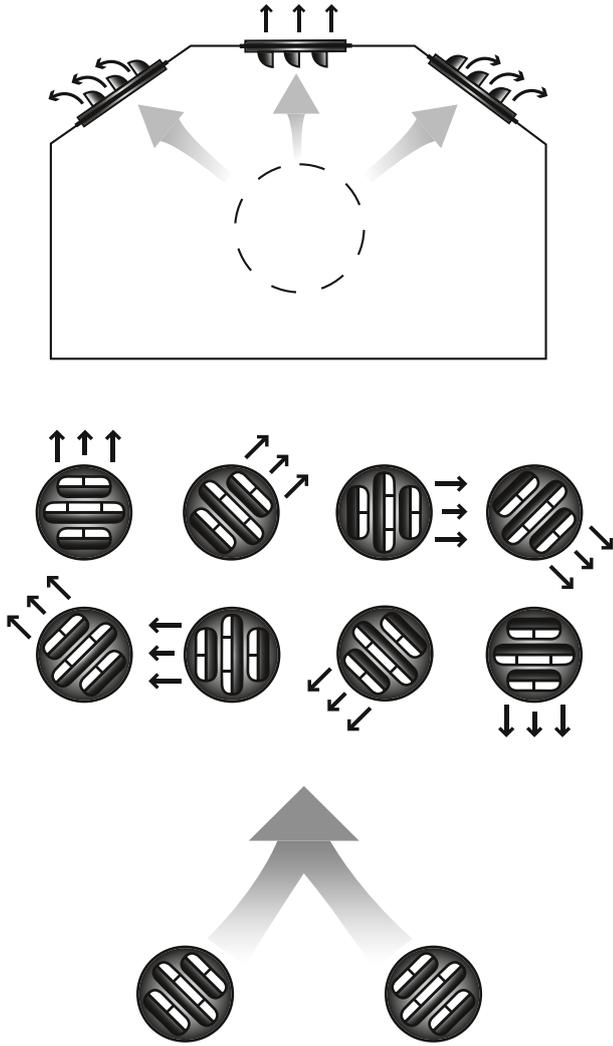


Figure 3. Disc adjustment, schematic presentation

Dimensions and weights

DIR

Size	A	B	D	E	F	G	ØH
400	402	343	402	345	50	80	99
500	502	443	502	445	50	80	124
600	602	543	602	545	50	80	159
900	602	543	902	845	70	100	199

Size	J	K	L	M	N	Weight, kg Diffuser	Weight, kg Duct
400	72	80-102	254	252	54	5	5
500	86	80-102	304	302	54	8	7
600	105	80-102	354	352	54	10	10
900	125	100-122	504	502	74	15	12

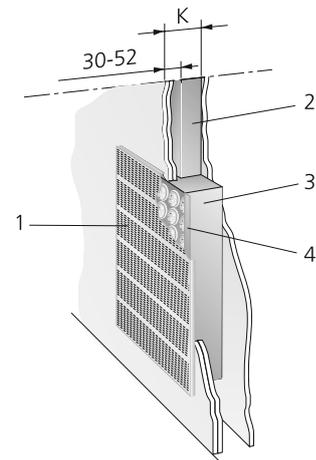


Figure 4. DIR installation dimensions

- 1. Face plate
- 2. Connection fitting
- 3. Backing box
- 4. Mounting frame

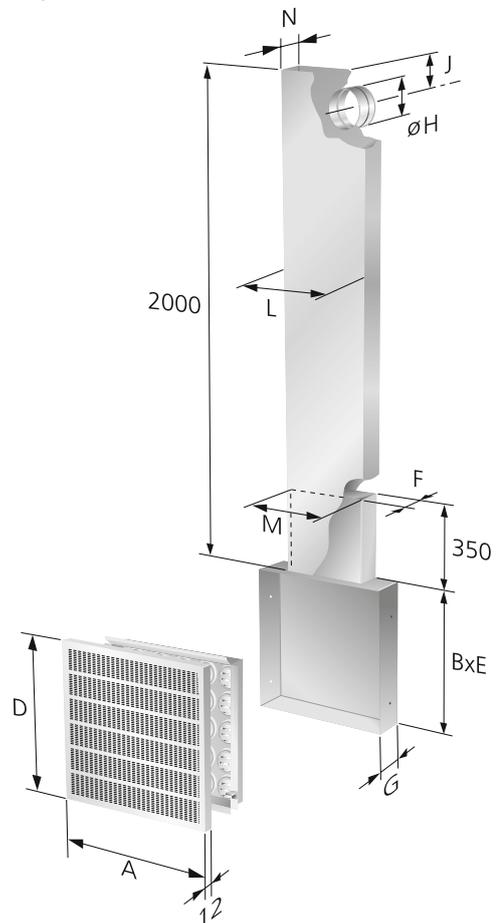


Figure 5. DIR with DIRT 4.

K-factor (COP)

Size	Supply air
400-100	13.1
500-125	18.7
600-160	23.5
900-200	46.8

Number of measuring tubes: 1