

BOC_d

Installation – Commissioning – Maintenance

20221118

Accessories

CRM 1

Adjustable measurement unit (4) for the commissioning of airflows. See figure 1.

VHC controller

The VHC controller resets motor-actuated air diffusers intended for cooling and heating with supply air. The controlling parameter is the temperature difference between the supply air and the room air. See figure 3.

FSR

Clamp (5) used for facilitating installation and removal of units. See figure 1.

Installation

Mounting brackets (3) are supplied with the diffuser. These are to be fastened to the wall and then to the BOC. See Figure 1.

Commissioning

The airflow is adjusted with an adjustable measurement unit (4) which is placed in the duct upstream of the BOC. See Figure 1. N.B.: Details 4 and 5 are not included at delivery.

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. Access to the inner parts of the diffuser is possible via the removable perforated front plates.

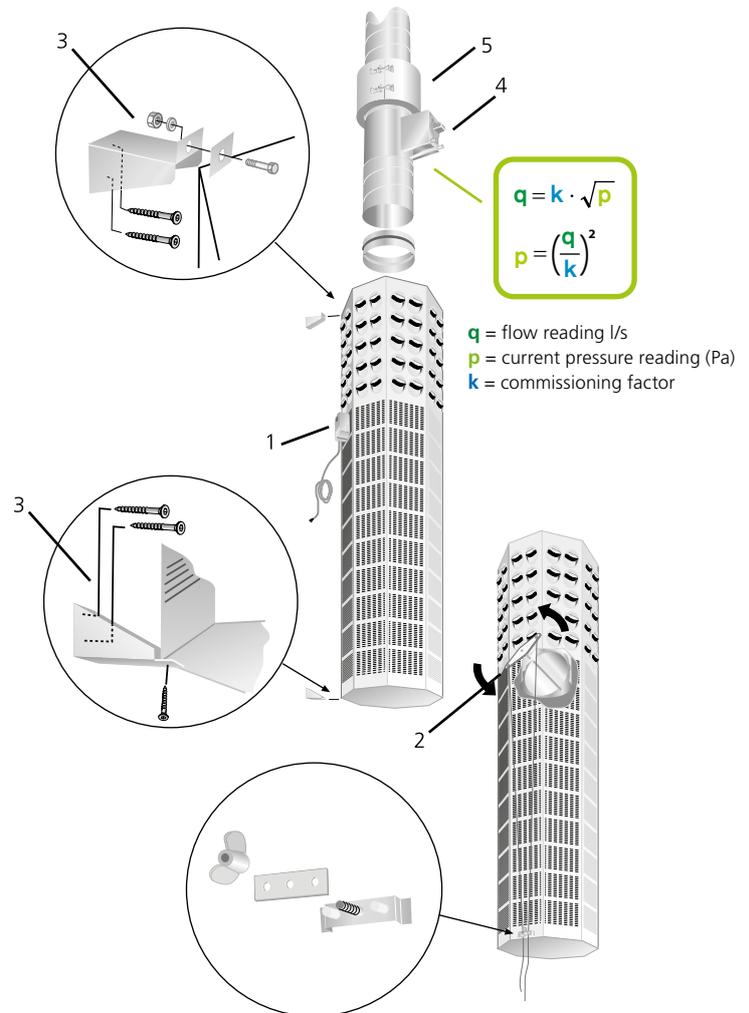


Figure 1. Installation. Commissioning.

Key to Figure 1:

- 1 = BOC with electrical actuator.
- 2 = BOC with manual damper control.
- 3 = Mounting brackets, supplied at delivery.
- 4 = CRM 1, not included at delivery.
- 5 = FSR, not included at delivery.

Connections

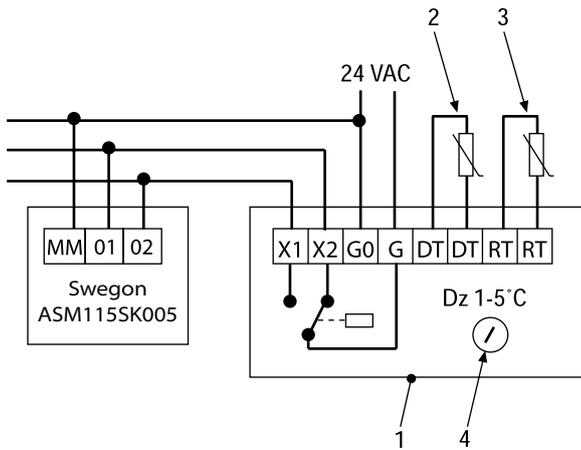


Figure 2. The wiring diagram shows the connections to the supply air diffuser with the Sauter damper motor mounted on the BOC.

Key to Figure 2:

- 1 = VHC controller.
- 2 = Duct temperature sensor (DT).
- 3 = Room temperature sensor (RT).
- 4 = Setting the switch-over temperature.

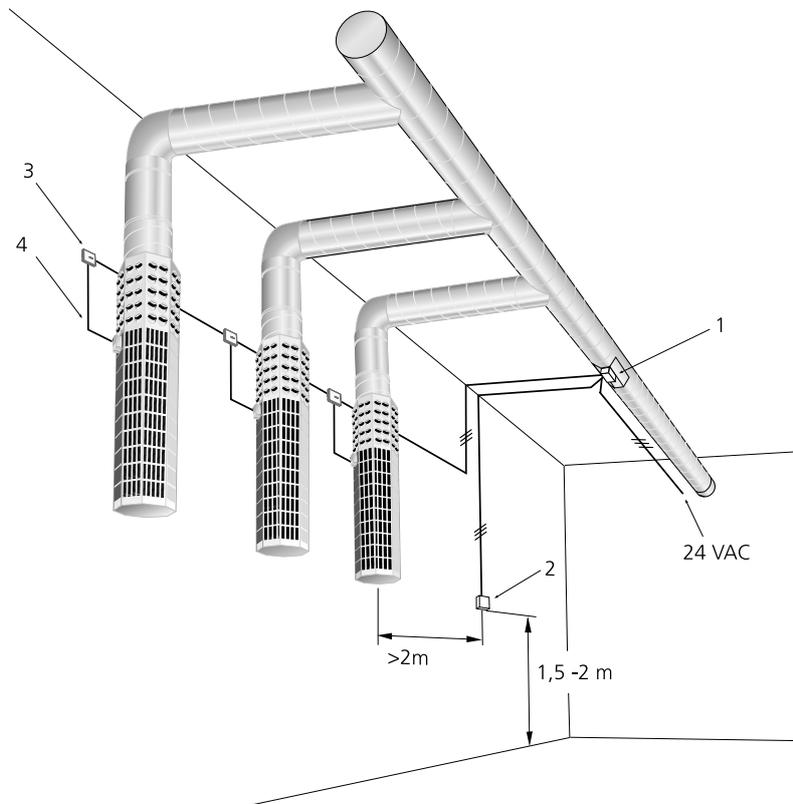


Figure 3. BOC with VHC.

Key to Figure 3:

- 1 = VHC Controller with duct temperature sensor.
- 2 = Room temperature sensor.
- 3 = Terminal box, not included in delivery.
- 4 = Fixed motor cable, 0.4 m.

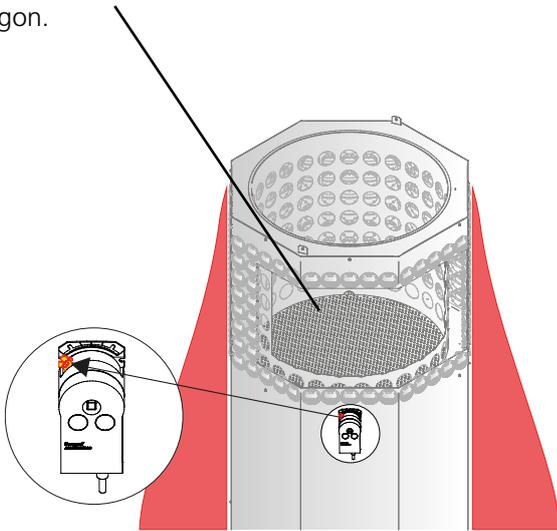
Connection 2-point regulation

BOCa aaa 1

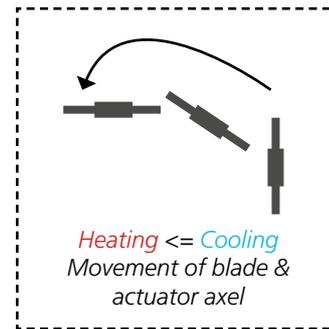
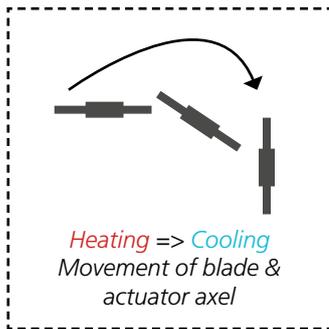
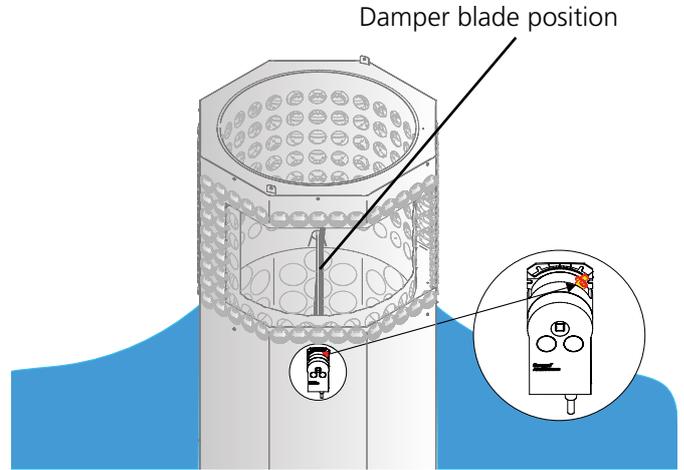
(aaa=duct connection Ø200 to Ø630, 1=motor controller)

Heating

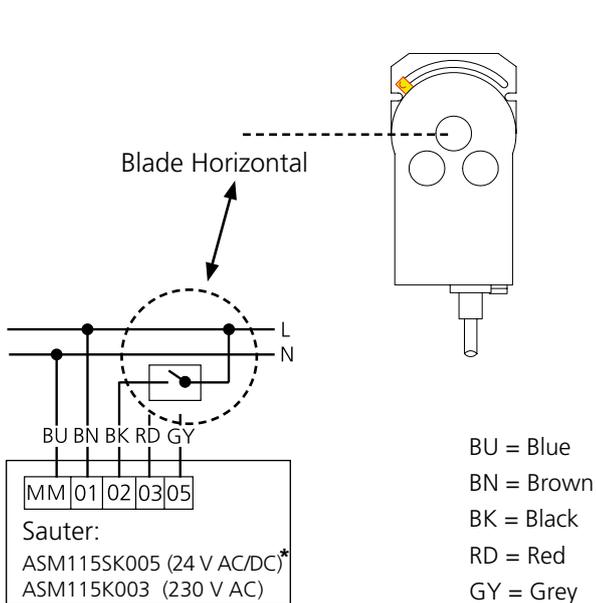
NOTE! This is the damper blade position at delivery from Swegon.



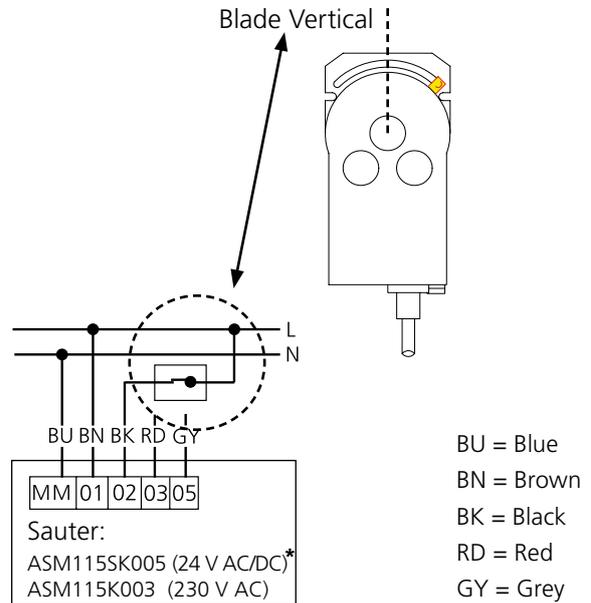
Cooling



Actuator positioned to the left



Actuator positioned to the right



* Delivered from factory as standard, 24VAC

* Delivered from factory as standard, 24VAC

Dimensions and Weights

BOC

Size	A	B	C	ØD	E	Weight, kg
200	1300	320	17	200	264	18.0
250	1400	353	17	250	281	21.0
315	1500	381	17	315	295	23.0
400	1600	464	17	400	336	29.0
500	1800	612	17	500	410	35.0
630	2000	762	17	630	485	45.0

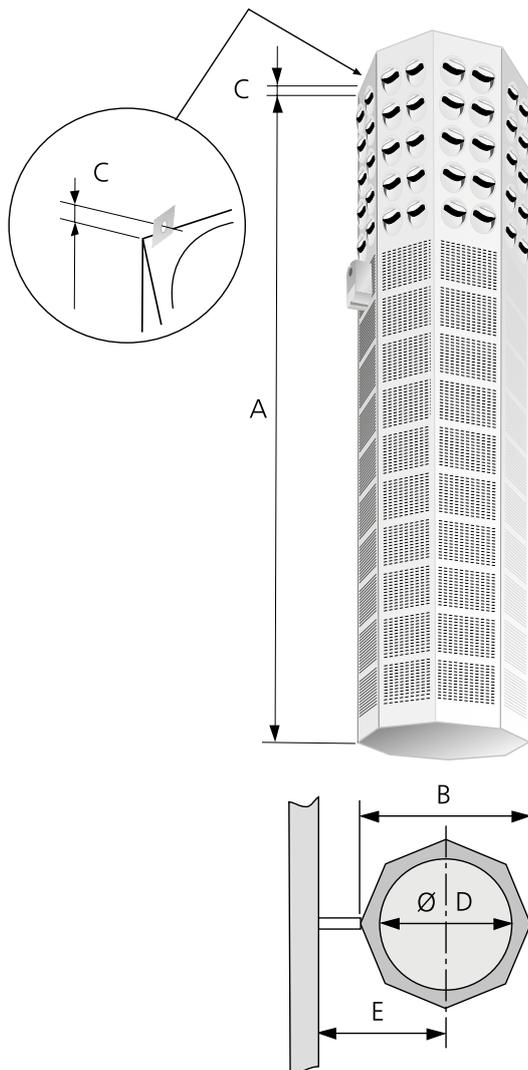


Figure 4. BOC.