Mounting Instructions

Adapter for ventilation duct BWP-143A and BWP-43A

116-P-BWP143A/DGB, Rev. B, 2019-11-11

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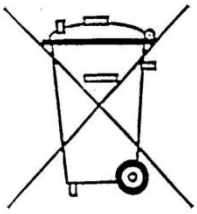

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1. Part Numbers

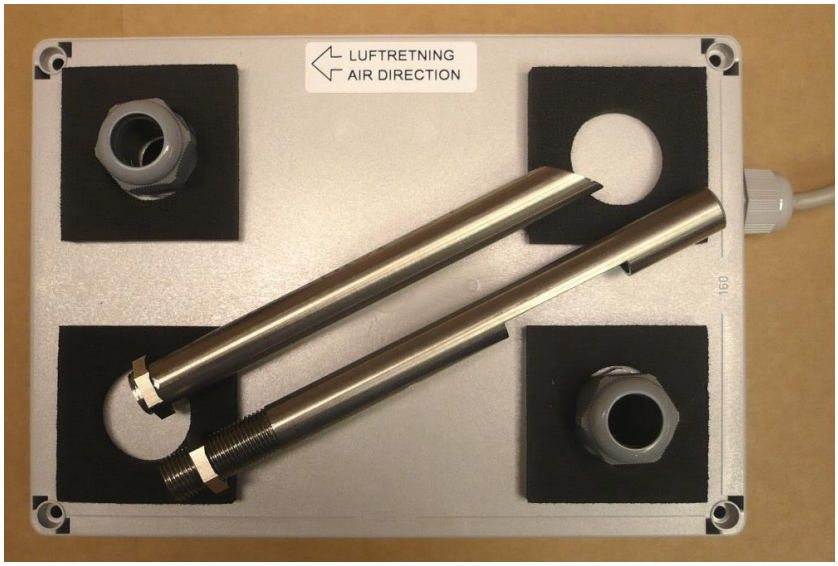
Part number	Description
116-BWP-143A	Adapter for ventilation duct, for interactive systems (Autroprime, AutroSafe)
116-BWP-43A	Adapter for ventilation duct, for analogue addressable systems

Autronica delivers the following pipe kits in different lengths:

Part number	Description
116-BJ-358/100	Pipekit L=100
116-BJ-358/150	Pipekit L=150
116-BJ-358/300	Pipekit L=300
116-BJ-358/550	Pipekit L=550
116-BJ-358/800	Pipekit L=800

2. Overview

The picture below shows the bottom of the box with both pipes.

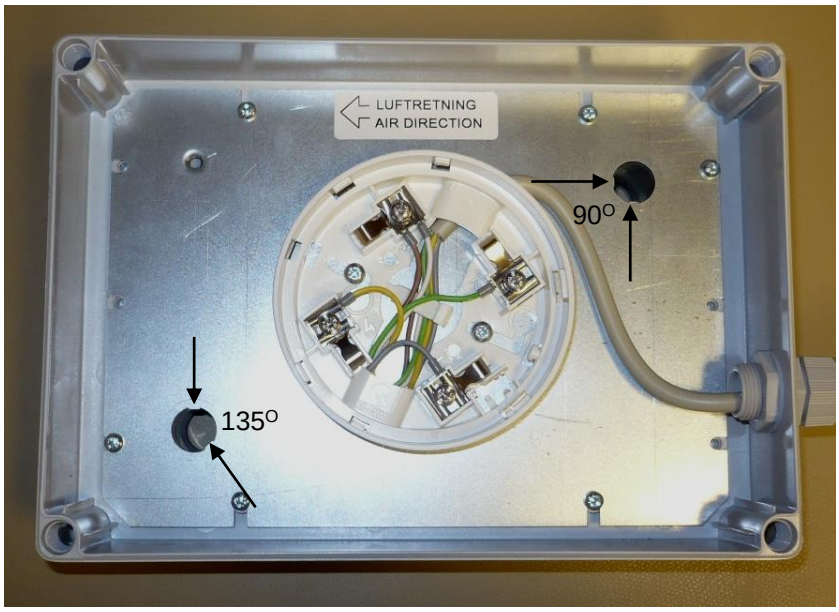


Pictures shown in the mounting instructions may differ a bit compared to BWP-43A.

3. Mounting

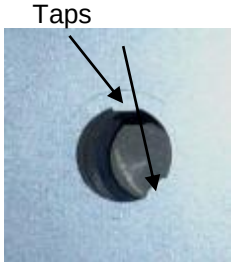
3.1 Inserting the Pipes

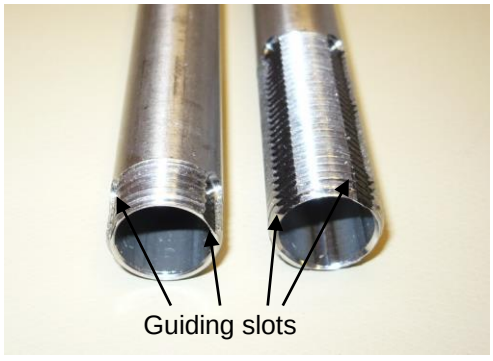
- Unscrew and remove the top cover from the box



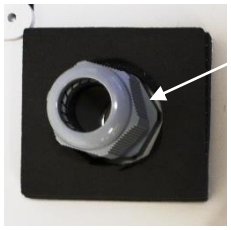
- Unscrew and remove the nuts (M16) on both pipes

IMPORTANT
Note that the guiding slots on the threaded ends of the pipes match with the taps on the holes (both indicated by arrows on the drawing below). This ensures easy and correct fitment of the pipes.





- At the bottom of the box, loosen the nuts on both glands

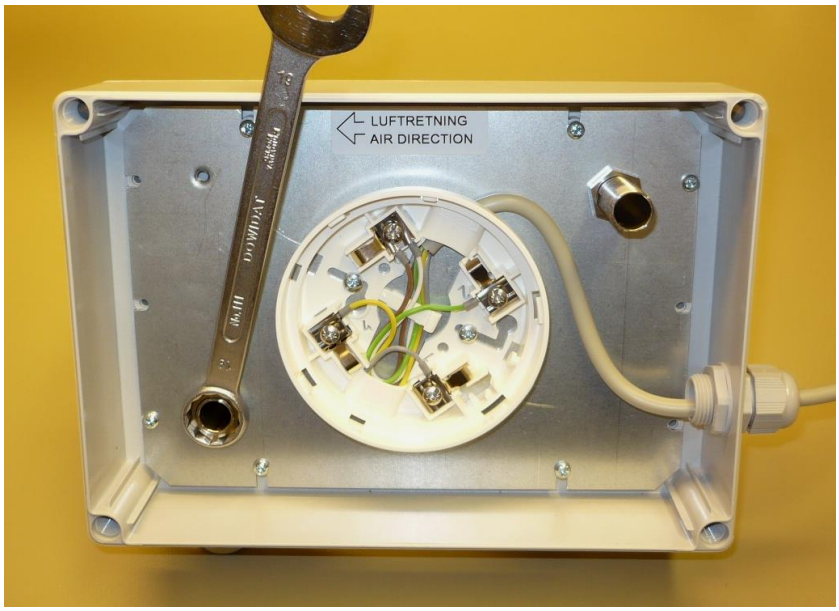


Nut on gland

- Insert the longest pipe with the threaded end of the pipe pointing towards the box, through the gland into its position (see drawing below)
- Insert the shortest pipe with the threaded end of the pipe pointing towards the box, through the nipple into its position (see drawing below)
- Make sure that the pipes are fitted firmly and as far as possible against the mounting plate

Shortest pipe Longest pipe

- Turn the box around and make sure that each pipe is correctly and properly fitted
- Screw and fasten the nuts (M16) firmly onto each pipe with a 19 mm wrench



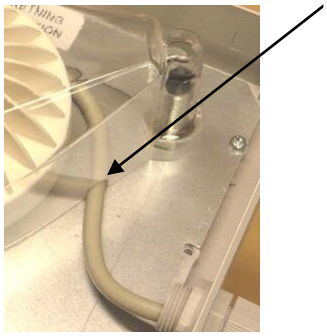
The picture above shows the pipes correctly inserted through the glands (viewed from inside of the box).

- Turn the box around again, then screw and properly tighten the nuts on both glands.

The illustration below shows the box after the pipes have been mounted.

3.2 Mounting the Detector Head onto the Base

- Mount the detector head onto the detector base
- Mount the smoke chamber onto the detector (make sure that the cabel runs into the small cable entry as shown)



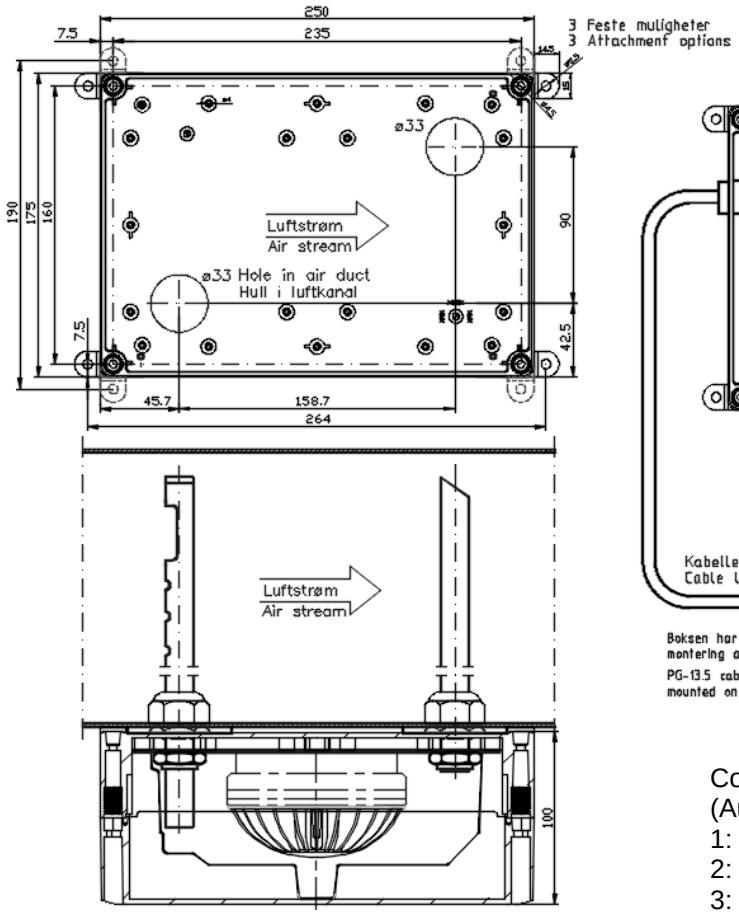
Cable entry

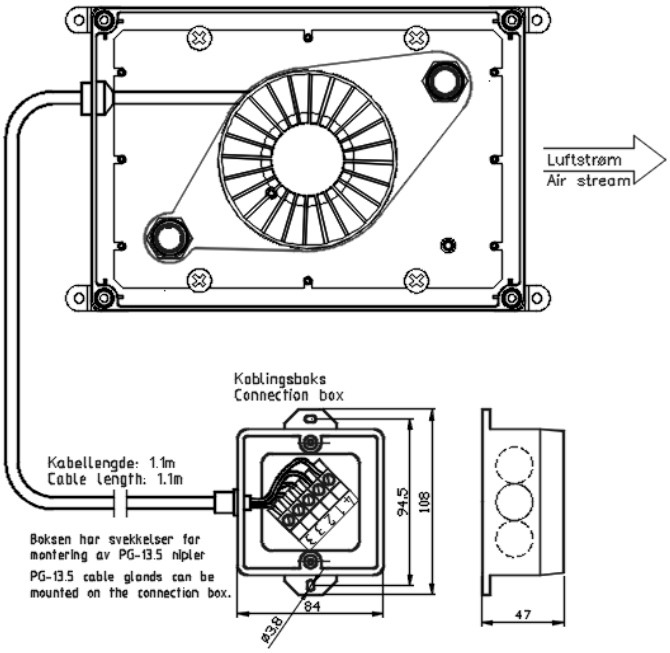
- Fasten the top cover onto the box again, then fasten the screws

4. Connections and Dimensions

We recommend that the duct pipe goes 2/3 of the width of the ventilation duct. Half the width of the ventilation duct is the absolute minimum.

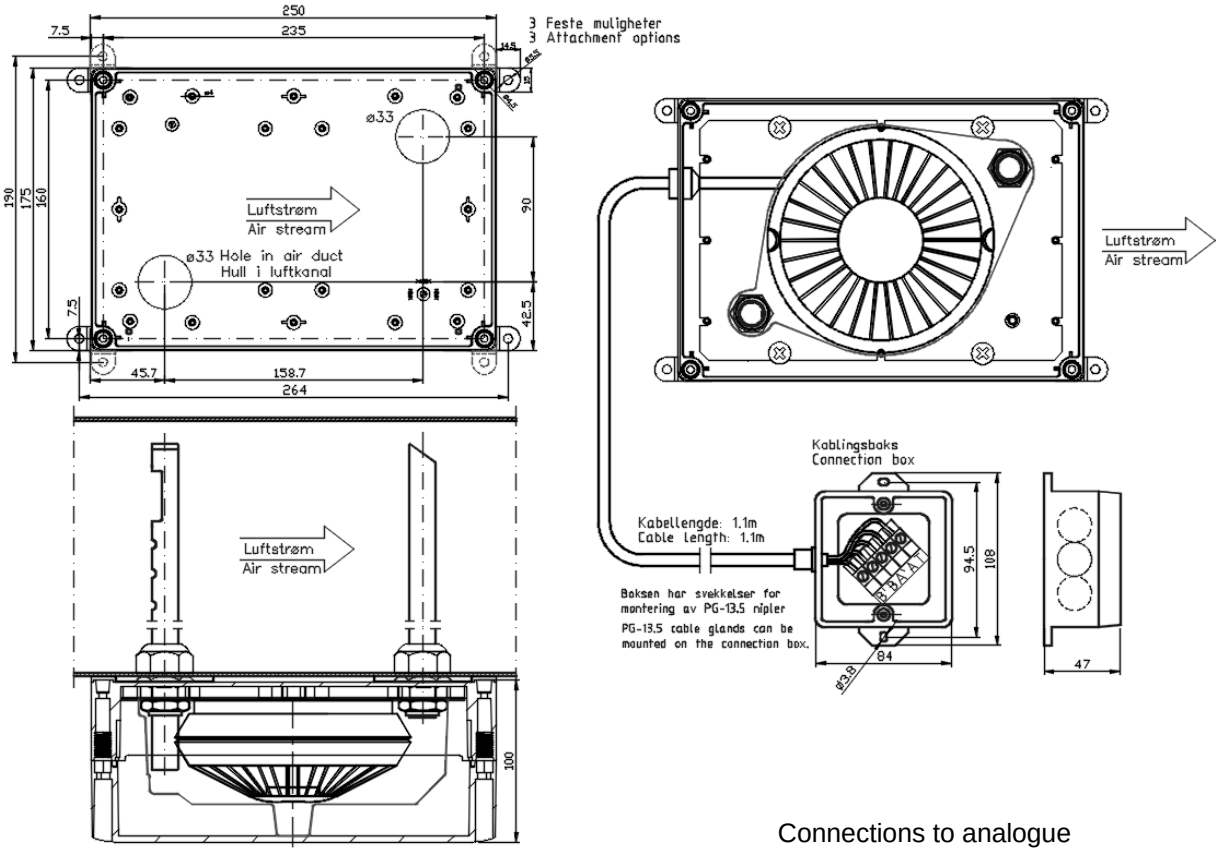
4.1 Interactive Systems





Connections to interactive systems (Autroprime / AutroSafe):
1: In (-)
2: Out (-)
3: Common (+)
4: LED

4.2 Analogue Adressable Systems



Connections to analogue addressable systems:
B':+
B: +
A':-
A: -