GEOVENT

INSTRUCTION MANUAL

Extension arm

Universal extension arm,
for WING, ASA and COMPACT arms

Version 1.0 4.10.18

www.geovent.com

Contents

1.0 General safety regulations

IMPORTANT - Read all of the instructions before assembling and commissioning.

Keep these operating instructions and give all users instruction in how the product works and operates.

Maintenance, should only be done after careful reading of section 4.

Do not dismantle factory-installed parts this will make it difficult to use the extension arm.

1.2 Scope

Geovent extension arm is used for extension of ASA, WING or COMPACT arms.
Extension arm must not be used in areas categorized as ATEX zones, e.g. for aluminum, flour and wood dust and other media that are connected with an explosion hazard.

1.3 Technical data

Geovents extension arms can be ordered in several variants. 2 meters, 3 meters, 4 meters and 5 meters, in a straight version and 4 meters in a version 2-joint. It is available in ø160 mm or ø200 mm.
Supplied complete incl. piping and flexible joints.

1.4 Construction

Extension arm is powder coated in RAL 9005, steel construction. Comes with spiro duct and flex connection.

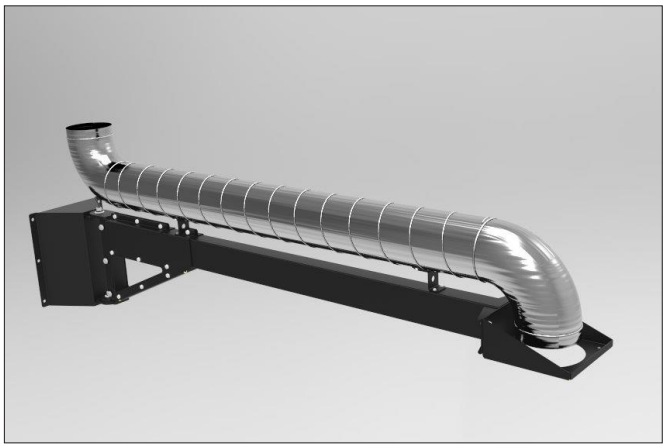
1-joint extension arm
The inner end of the extension arm can rotate 180°.

2-joint extension arm
The inner end of the extension arm can rotate 180° and the outer end on the extension arm can turn 360°. When you want to change the extension arms position, it is important to do it correctly - see section 3.0.

2.0 Installation

The 1-joint extension arm is partially assembled and consists of 1 pcs. wall bracket, 1 pcs. carrier arm, spiro duct, 2 pcs. bends, duct holder and adapter for WING / ASA / COMPACT.

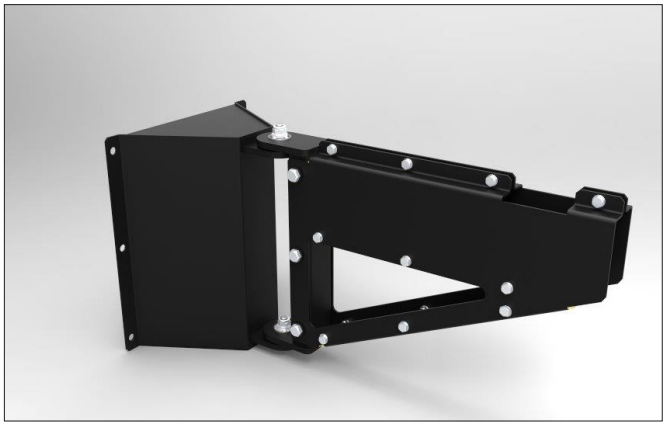
The 2-joint extension arm is partially assembled and consists of 1 pcs. wall bracket, 2 pcs. carrier arm, intermediate joint, spiro duct, 2 pcs. bends, flex connections and hose.



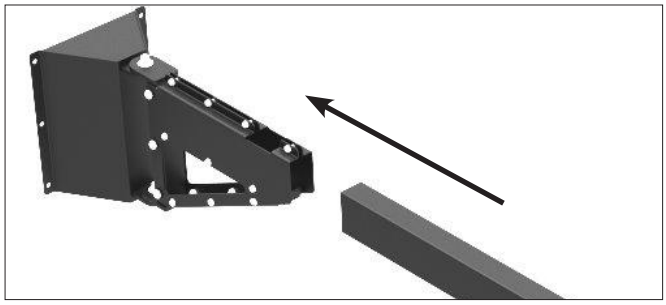
1-joint Extension arm

Mounting of 1-joint extension arm:

1. First attach the wall bracket to a fixed wall, such as eg. a concrete wall. NB. Must be 100% vertically aligned.



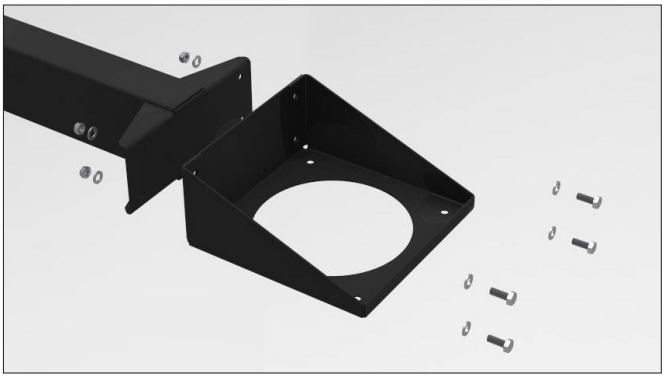
2. Then push the extension arm into the wall bracket and tighten all the bolts so that the extension arm is firmly attached. It is important to tighten all the bolts on the bracket to the extension arm.



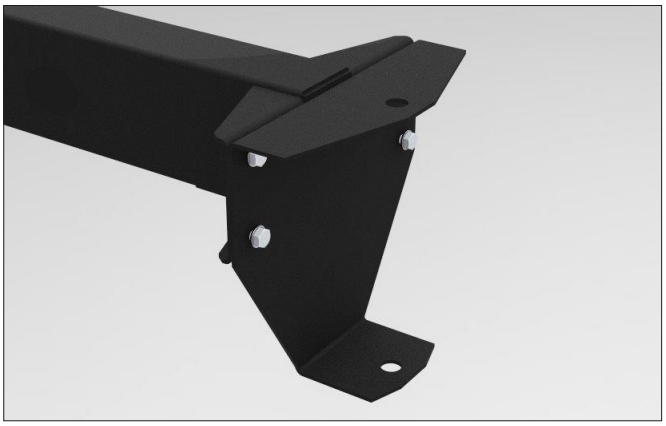
3. Attach the WING / ASA / COMPACT adapter to the extension arm.

At the 2-joint extension arm you must be aware to place the outer joint on the arm correctly. The outer joints have a 1° increase (from the factory). The arrow on the outer joints shall point up.

WING / COMPACT adapter

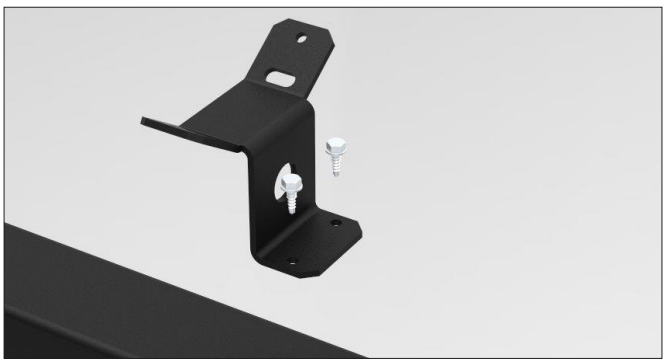


ASA adapter

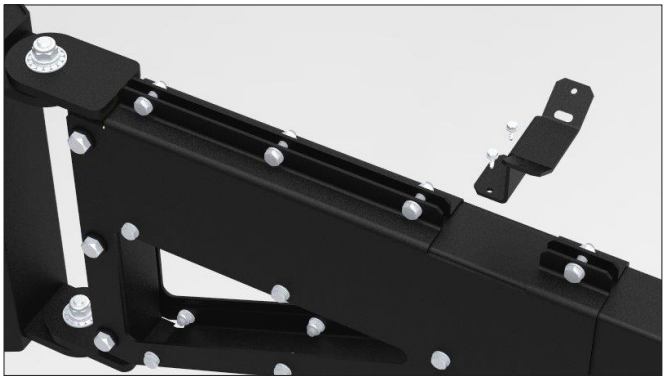


4. Mount the duct holder on the mounting frame and then install the spiro duct. Spiro duct are attached with the enclosed self carring screws.

At 4 and 5 meters 1-joint extension arm, a duct holder is placed in the middle of the extension arm.
The two outermost duct holders have a fixed location - see above mentioned drawing.



5. Finally, the WING / ASA / COMPACT arm is mounted on the Extension arm.

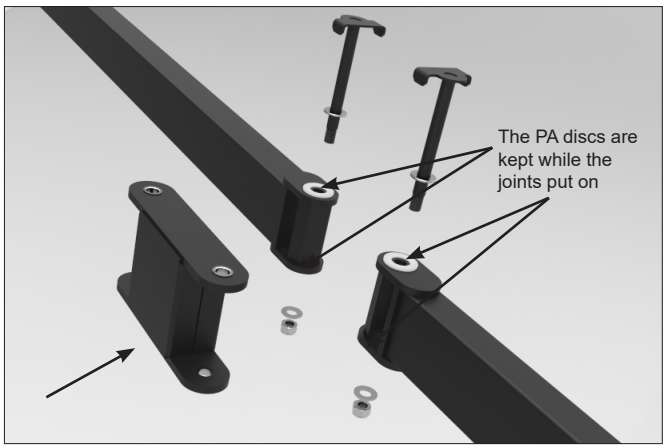


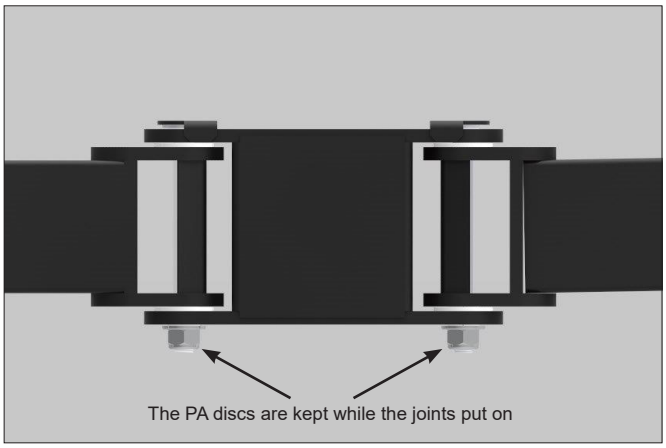
Mounting of 2-joint extension arm:

1. First attach the wall bracket to a fixed wall, such as eg. a concrete wall. As shown in the drawing of 1-joint extension arm. NB. Must be 100% vertically aligned.

2. Then push the inner carringarm into the wall bracket and tighten all the bolts so that the extension arm is firmly attached. (As shown in the drawing, of 1-joint the extension arm.)

3. Now the middle joint must be mounted. First, the freed bush is places over the holes and then push the PA discs in it. The bolts are mounted on the platform as shown in the drawing.





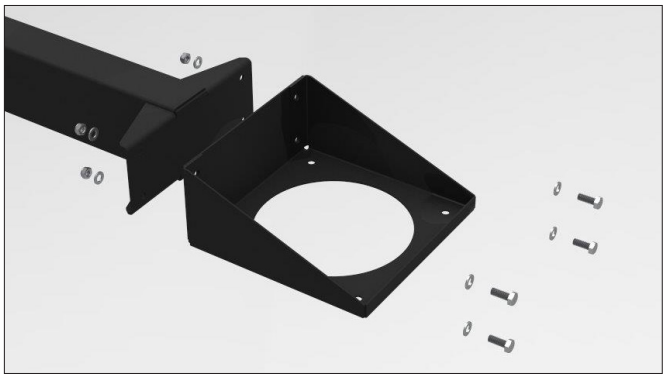
4. The WING / ASA / COMPACT adapter is bolted on the extension arm. As shown in the drawing of 1-joint extension arm.

5. Attach the duct holders (see picture on page 4) on the extension arm and then the spiral pipes are mounted.

6. Then attach the hose to the supplied ones straps, see picture above.

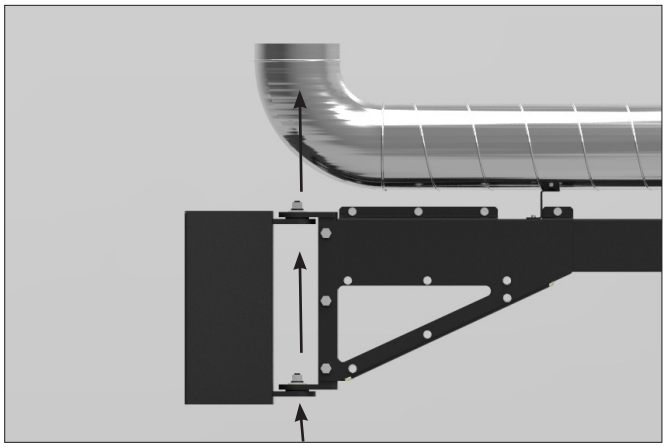
Finally, the WING / ASA / COMPACT arm is mounted on the extension arm.

WING / COMPACT adapter



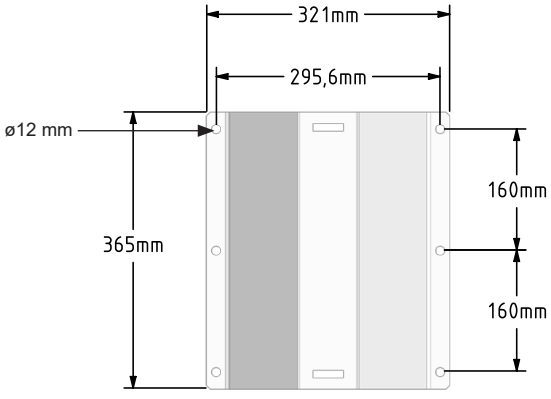
ASA adapter

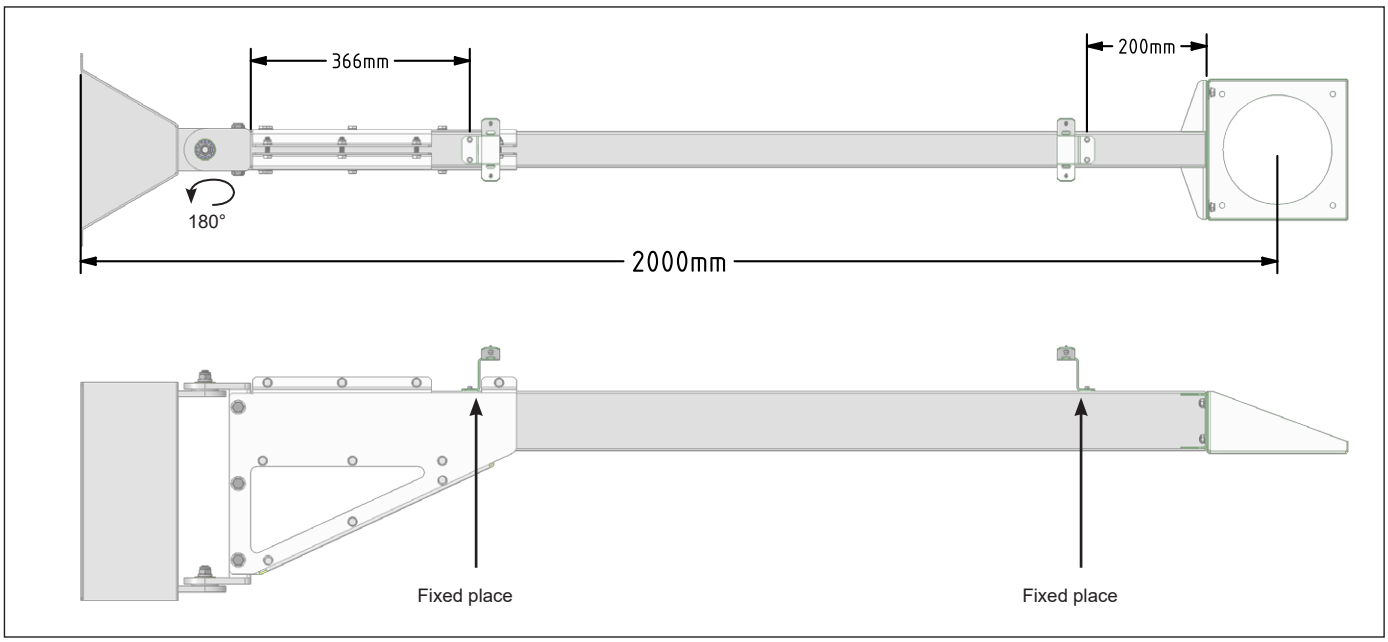
Pipe bending must be centered with shaft.



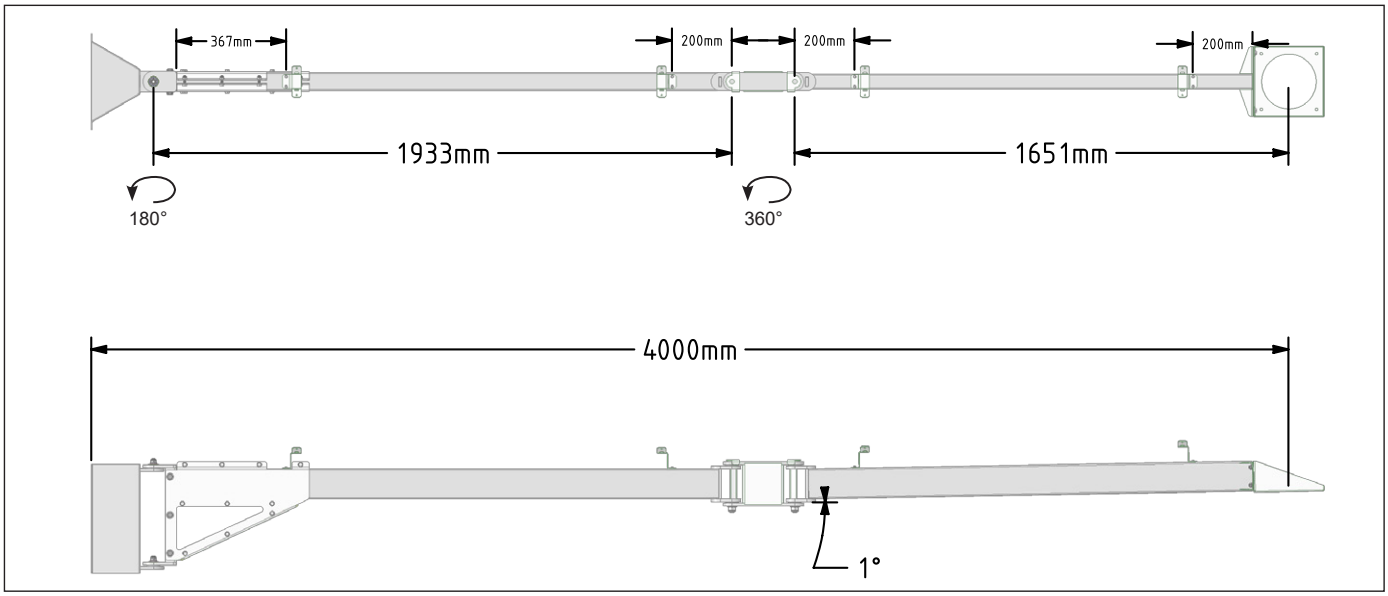
The conical camps are tightened as needed, depending on how easy you want the extension arm to move.

Wall console





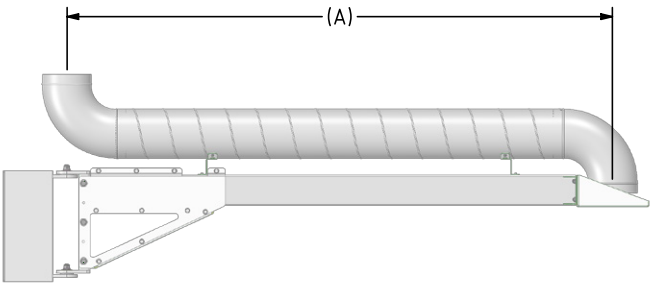
01-181 - 1-joint extension arm



01-186 - 2-joint extension arm

Spiroduct length for extension arm

2 meter extension arm	Length	Dimension A
Extension arm ø160 mm	146 cm	1792 mm
Extension arm ø200 mm	142,5 cm	1792 mm
3 meter extension arm		
Extension arm ø160 mm	246 cm	2792 mm
Extension arm ø200 mm	242,5 cm	2792 mm
4 meter extension arm		
Extension arm ø160 mm	346 cm	3792 mm
Extension arm ø200 mm	342,5 cm	3792 mm
5 meter extension arm		
Extension arm ø160 mm	446 cm	4792 mm
Extension arm ø200 mm	442,5 cm	4792 mm
2 Leds extension arm		
Extension arm ø160 mm	Inderjoint 162 cm og outerjoint 136,5 cm	
Extension arm ø200 mm	Inderjoint 162 cm og outerjoint 136,5 cm	



3.0 Application - User Instructions

When positioning the arm/extension arm, it is important that this is not done in a way, which damaged the arm. The moment of inertia is due to the length high, why damaging the arm is possible, if operated incorrectly. See picture below.

4.0 Maintenance

Periodic maintenance

- If the extraction arm is difficult to position, eg. if it does not want to stay in the desired position, adjust the moving joints (see point 2).

- Check friction discs, friction bolts and bearings and replace if necessary. Contact your dealer for spare parts.

The extraction arm should be checked at least once a year, along with the rest of the installation.

5.0 Responsibility

Guarantee

Geovent A / S will provide warranty on products that are attached with errors or omissions that are proven to be due to bad processing or material at Geovent. The guarantee comprises repair of the damage (repair or replacement) until 1 year after the date of shipment. There can not raised claim against Geovent A/S for lost earnings or operating losses due to errors in Geovent's products.

Wear parts such as snakes are not covered by the warranty.

User responsibility.

In order for Geovents to be able to provide the stated warranty the user / installer must have followed this instruction manual in all respects.

No changes / design changes may be made on the arm and the function of this. Geovent's responsibility lapses as a result of changes.

Please refer to applicable sales and delivery terms at www.geovent.dk.

6.0 Declaration of conformity

GEOVENT

HOVEDGADEN 86 • DK-8831 LØGSTRUP
(+45) 8664 2211 • salg@geovent.dk

Hereby declares that:

Product: Extension arm
Model: Extension arm

complies with the following directives and standards:

Directive 2006/42 / EC of the European Parliament and of the Council of 17 May 2006 on machines and amending directives
95/16 / EC

EN ISO 14121-1:2007	Safety of machinery - Risk assessment - Part 1: Principles
EN ISO 12100-1:2005	Safety of machinery - Basic concepts, general principles for design
EN ISO 12100-1:2009	Construction and design Part 1: Terminology, methodology
EN ISO 12100-2:2005	Basic concepts, general principles for design
EN ISO 12100-2:2009	Construction and design Part 2: Technical principles

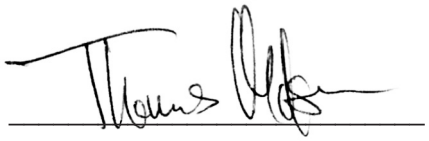
Authorized to collect the technical file:

Ole Madsen

Date: 4/10-18

Position: Director
Name: Thomas Molsen

Signature :



CE

GEOVENT

HOVEDGADEN 86 • DK-8831 LØGSTRUP
(+45) 8664 2211 • salg@geovent.dk