

Installation manual heat exchanger

Type **G6000A**

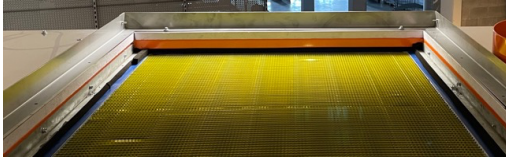


1. Make borders of the airshaft

Make a shaft from isolation and sandwich plates that fits exactly on the inside of upstanding border (Pic.1)

Decide on the height of the shaft and keep in mind that the shaft will be 5cm higher than the upper side of the isolation.

Sandwich plates can be fastened to the upstanding borders with self tapping screws, isolations plates can be glued with silicon sealant or pur foam. Install the reducer ring on top of the exchanger.



Picture 1



Picture 2

2. Decide on position of the exchangers

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Draw the hole on the isolation. This can be done by lifting the exchanger (on which the airshaft is already installed) towards the isolation. Cut out the hole in the isolation by using a saw, knife or sharpener.

3. Install the filter unit

Lift the exchanger a bit to the same height as the filter unit and then attach it using 3 hinges.

Lift the exchanger and decide on the 4 suspension points. These can be installed by using 4 strong screw eyes which can be placed in the purlin or by using perforated L irons 50x50 which should be fastened on the roof and the exchangers can be installed with chains and wire tensioners (Pic. 2).

The exchanger should be placed 1cm higher on the side of the filter unit.

Finalise installment and fasten using silicon sealant.

4. Installment airshaft

Position the airshaft on the reducer ring and install the airshaft following the instructions of the producer.

5. Install condensation water drain.

Install condensation water drain (this is 1" inside wire).

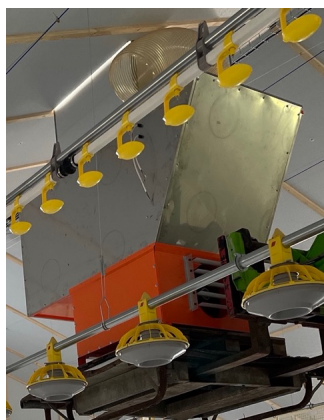
6. Install control system of the filter unit

The control system to open/close the filter unit can be installed on the front side of the filter unit where a screw eye is placed.

It can be installed by using 1 robe for each exchanger, however, the disadvantage is that changing of the filter must be done by 2 persons (pic. 5). Another option is to enable central control using a hand winch.



Picture 3



Picture 4



Picture 5

Aluminum prepaint slats
Maximum capacity: 49 kW
Min and max. temperature -30°C to 90°C

Fans ingoing:

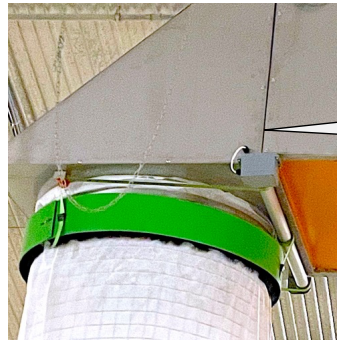
Cap. 6250 m³ at 350pa
0,75 kW 400v
2800 rpm
Eff.Clas.IE3
Ip56

Outgoing:

Cap.max: 6550 m³ at 350pa
1,1 kW 400v
2800 rpm
Eff.Clas.IE3
Ip55

Tube motor:

Voltage: 230 V
Amperage: 0,53 A
Power: 121 W
Frequency: 50 Hz



The self cleaning system makes use of a tube motor