

Mounting and maintenance



See product data sheet for technical information about the Airshower.

PLEASE READ THE FULL INSTRUCTION BEFORE STARTING THE INSTALLATION!

Delivery

- The Airshowers are delivered individually packed.
- For detailed technical specifications, please refer to the product-specific datasheet, which includes information on various mounting accessories and product details.

Handling

- Keep the Airshowers in their package and plastic bags until assembly is started and store them inside in a dry environment.
- The unique air distributing material of the Airshower is sensitive and requires gentle handling. Never use excessive force to mount or remove the Airshower.
- Wash and disinfect hands or use a fresh pair of plastic/rubber gloves before removing the Airshowers from their plastic bags and before mounting and removal.
- Mount the Airshowers as late as possible in the installation process to avoid contamination and damage to the materials.
- Do not mount the Airshowers before the HEPA-filters are installed to avoid potentially contaminated air from flowing through the Airshowers.
- It is recommended that the ventilation circulation unit is kept running during the entire installation procedure and until the room has been finally cleaned and the validation procedure has begun. This ensures a continuous flow of HEPA-filtered air through the Airshowers once installed.

Maintenance cleaning

Before any cleaning, the Airshowers must be removed. Once removed, the interior of the Airshowers can be vacuumed.

Mounting Airshower AS and AS-XL, with accompanying universal flange (F)

1. If included, place the aluminum mesh bowl inside the Airshower before assembly.
2. Press the Airshower up against the mounting ring so that all the rivet heads on the Airshower fit into the wide end of the keyholes (image 1).
3. Turn the Airshower clockwise with both hands approximately 1 cm until the rivet heads reach the end of the narrow side of the keyholes (image 2).
4. Ensure that all five rivets have locked into their respective keyholes by visually confirming that there is no gap between the Airshower and the ceiling all away around.

NOTE! Due to natural movement of the plane of the sheet metal of the ceiling unit, friction may occur between the sealing strip and the sheet metal. If friction prevents the Airshower from being turned, the sealing strip can be lubricated with an alcohol-based hand disinfectant.



Image 1



Image 2

5. Ensure visually that the Airshower is correctly seated and inspect the joint, ensuring that the sealing strip seals correctly. The Airshower shall sit firmly in place.

Removal

1. Press the Airshower up against the mounting ring and turn counterclockwise to allow the rivet heads on the Airshower to be extracted from the keyholes.
2. Gently pull the Airshower down.

Mounting ring installation

Airshowers can be mounted separately in the false ceiling using a mounting flange (included) fitted to a duct flanged spigots (not included).

1. Start by fitting the included mounting flange to an applicable duct attachment. Below example is an ILU200 from Lindab. Depending on the size of the connecting duct and/or the Airshower, ILU160, ILU200, or ILU315 can be used.

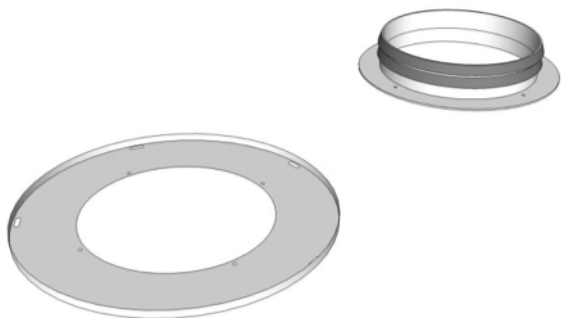


Figure 1: Mounting flange (left) and flanged spigots with ILU 200 (right)



Figure 2: ILU

2. Use sealant to make the groove between the mounting ring and duct attachment airtight. Place the sealant outside the holes on the inside of the mounting flange as shown in the picture below.

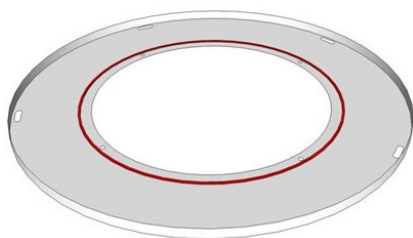


Figure 3: Mounting flange with sealant material marked in red

3. Use appropriate screws or rivets to fix the duct attachment to the mounting flange.
4. Make a hole (~230 mm in diameter) in the tiles, or in the right position of a fixed ceiling, in the places where the external Airshower shall be mounted according to the building drawings.

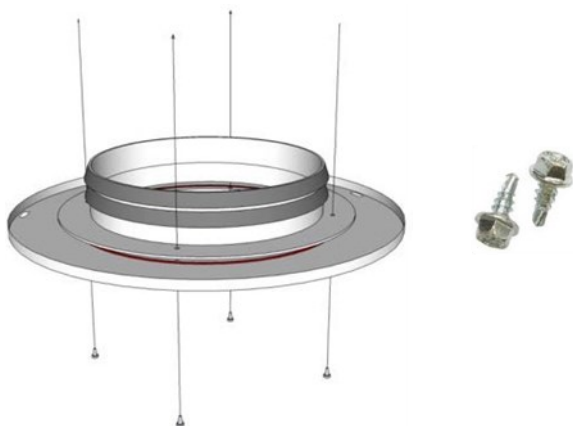


Figure 4: Placement of screws/rivets

5. Mount the mounting ring with the duct attachment from below so that the upper outer edge of the mounting flange is flush with the false ceiling. Secure with appropriate screws/rivets.

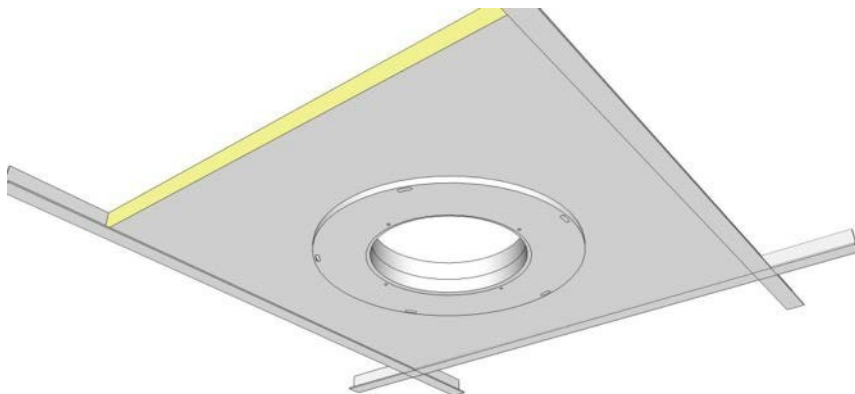


Figure 5: Mounting from below

6. Connect the duct to the duct attachment from above the false ceiling and from the side with appropriate screws.
7. Mount Airshowers as described above.

Mounting Airshower ASV

- ASV-B is mounted on the wall with duct connection from behind through the wall (figure 6) and ASV-T with duct connection from above (figure 7 and image 3). The diffusers are supplied with spring connection for easy mounting in Lindab's detail VRFU-160 (not included).

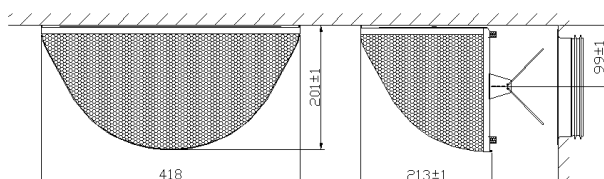


Figure 6: ASV-B with duct connection from behind (through the wall)

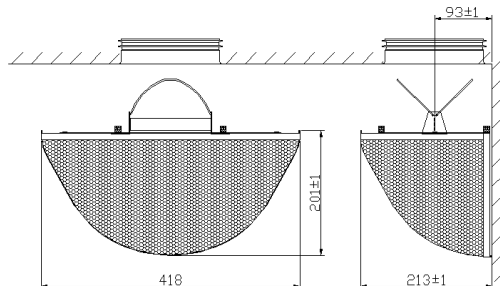


Figure 7: ASV-T with duct connection from above (through the ceiling)



Image 3: Easy mounting with spring connection