

DELIVERY UNIT PRESENTATION

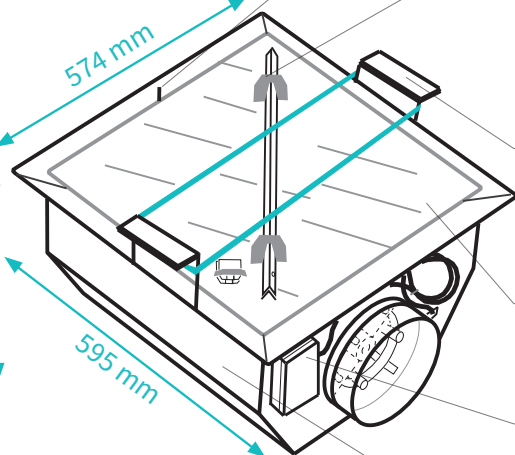
The diffuser is ready for installation in suspended ceilings directly from the pallet.



INSTALLATION VIDEO

ISQ-160, ISQ-200 & ISQ-M from pallet

336 mm (ISQ-200 & ISQ-M excluding handles)



Room temperature sensor

The sensor is positioned centrally on the outer edge of the diffuser plate opposite the side with the duct connection.

Detachable diffuser plate

A powder-coated metal plate used for horizontal air distribution and to carry electronics, including sensors. The electronics are mounted on the inside of the diffuser plate.

Installation handles

Two metal handles are fastened with a plastic strap that must not be cut before the diffuser is lifted and correctly positioned in the suspended ceiling.

Transport- and handling protection

The protection is to be kept in place until the final cleaning. The protection carries the supplied cover profiles and L-profiles; see below.

Connection box CBD

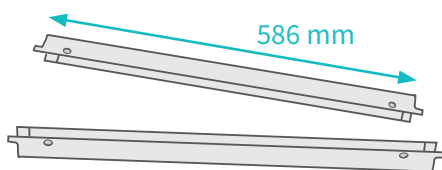
CBD is connected upon delivery (ISQ-160 and ISQ-200 only, cable length as ordered). The housing is equipped with magnets for flexible positioning.

Plenum box with diffuser frame and damper

The diffuser frame serves as a holder for the diffuser plate and as a frame against the suspended ceiling. ISQ-160 and ISQ-200 have a motor-controlled airflow damper with a measuring flange. ISQ-M has the same airflow damper, without a motor and measuring device. The damper opening is manually adjustable.

The complete ISQ diffuser ready for mounting directly from the pallet.

Cover profiles

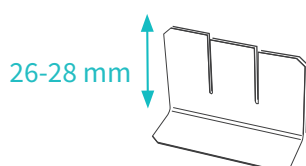


Two profiles used to close the mounting space/gap between the diffuser frame and the suspended ceiling.

Cover profiles

Two metal profiles are to be placed in the suspended ceiling framework along the two sides of the diffuser, where the handles were mounted, to cover the gaps between the edge of the diffuser frame and the suspended ceiling.

L-profile



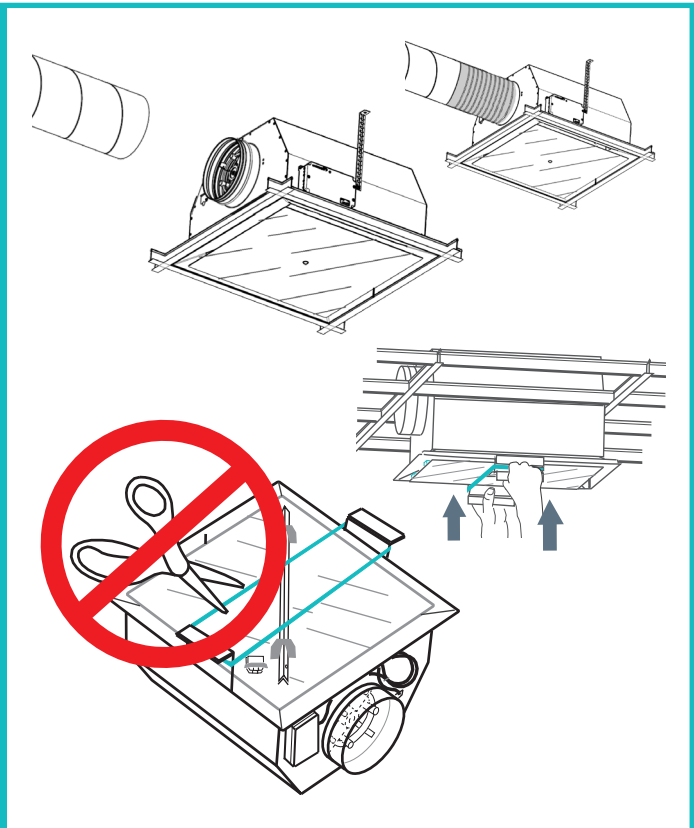
The L-profile shall be used when the diffuser frame needs to be pressed against the suspended ceiling to manage irregularities.

L-profile

A metal profile that is used when unevenness in the suspended ceiling requires the diffuser frame to be pressed down to create a connection without visible gaps. The profile is clamped into the support profile to hold the diffuser frame down.

NOTE BEFORE INSTALLATION:

- The diffuser is ready for installation straight from the pallet.
- The installation handles, secured with a plastic strap, must not be removed until the unit is in the correct position in the suspended ceiling.
- The protective cardboard is not removed until the final cleaning.
- Correct and easy installation requires space for duct connection via flexible aluminium hose or push-on sleeve.
- The duct connection must not load the diffuser or create tension in the suspended ceiling.



INSTALLATION ORDER

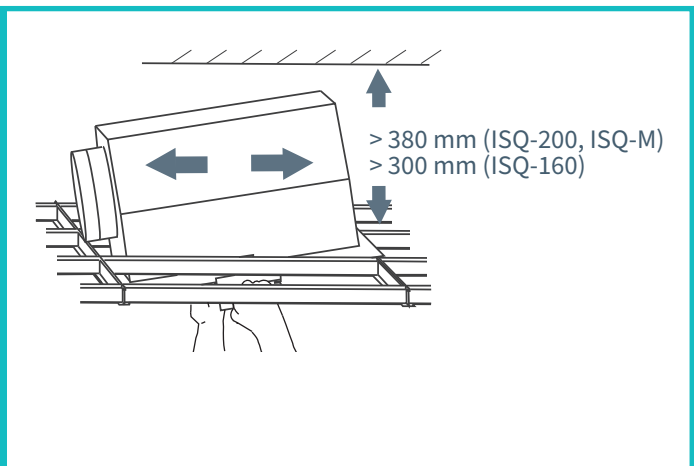
Installation shall be carried out in order from step 1 to 6 below.

Notice: These instructions show installation on a T24 suspended ceiling system

1. PLACEMENT

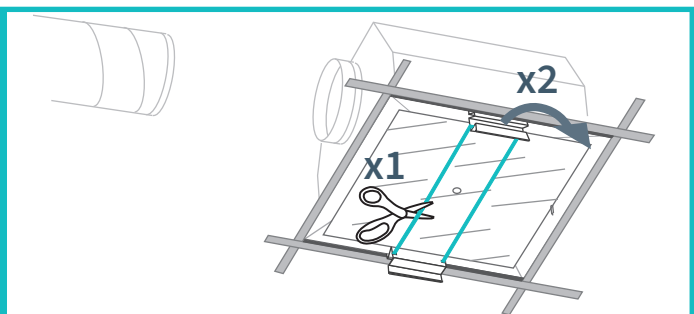
Depending on the model, a free height of 380 or 300 mm is required.

- Lift up and angle the diffuser to get the frame well over the suspended ceiling.
- The diffuser is then backed so that the frame on the duct side also comes over the support structure.
- Now, the diffuser can be lowered onto the support structure.
- Centering is done in step 3 after dismantling the handles.



2. DISMANTLING OF HANDLES

- Cut off the plastic strap.
- For each handle: Push the diffuser slightly to the side, angle up slightly and unhook.
- The diffuser plate protection is left in place and only removed after final cleaning.

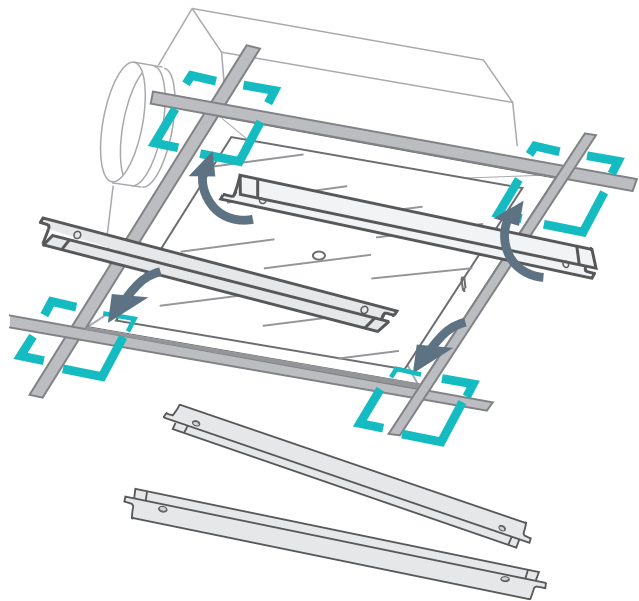


3. COVER PROFILES

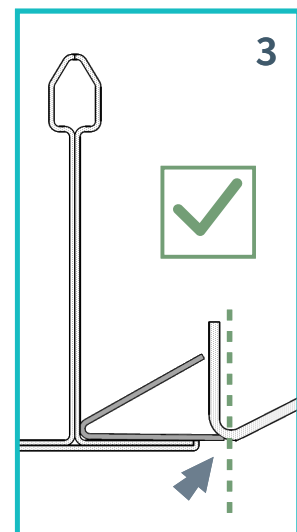
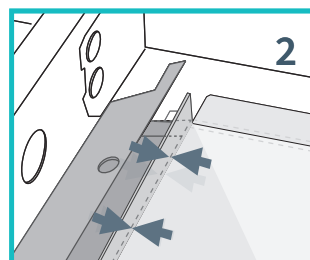
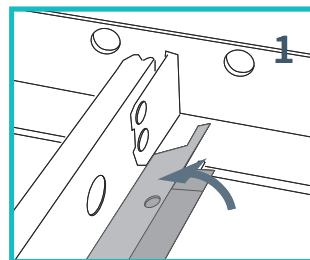
The two included V-shaped cover strips should rest on the carrying profiles of the suspended ceiling to eliminate gaps along the sides where the handles were installed.

The profiles are installed from below.

- For each side of the diffuser, angle it slightly from the support structure to align its profile, as shown in image 1. Then, lower the diffuser back onto the support structure.
- Lower the diffuser back onto the support structure.
- Note: Each profile has two flanges. The one with the circular holes should point up from the suspended ceiling.
- Centre the diffuser over the opening. The cover profiles should be placed so that the flange (without holes), which rests on the support structure, just touches/meets the edge of the diffuser frame, see images 2 and 3.
- Viewed from the floor: check that the gaps along the diffuser are eliminated.



NOTICE: When the cover strips are in place, the side with holes must point upwards from the suspended ceiling support structure.

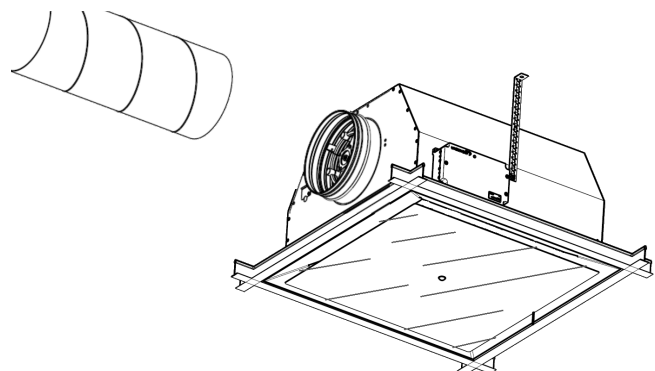


4. SUSPENSION

BEFORE connecting the duct:

The diffuser must be suspended via mounting straps or equivalent, with a length that relieves the load on the supporting structure without gaps between the diffuser and the suspended ceiling.

Note: Suspension materials are not included with the diffuser upon delivery.



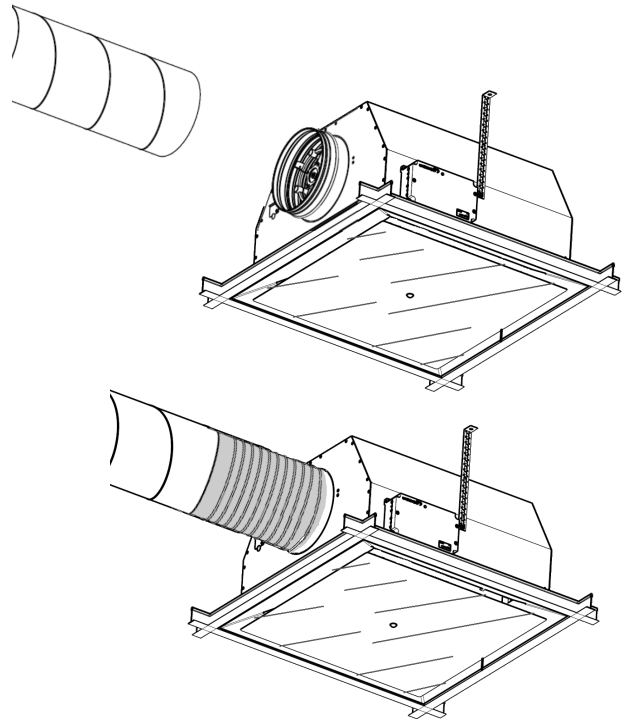
5. DUCT CONNECTION

- Connection via a flexible aluminum hose is recommended.
- A sliding sleeve can work if the duct is in line with and centred on the inlet.

The duct connection must not load the diffuser, or its support structure.

A flexibal hose vs sheet metal duct

- A flexible hose eliminates the risk of loading a unit or the supporting structure.
- They are equally good from an acoustic point of view. The device's sound generation is very low.
- A flexibal hose provides flexibility as the diffuser may need to be dismantled or temporarily lifted from the support structure.



Connection with flexible aluminium hose.

6. L-PROFILE & FINAL INSPECTION

The L-profile is only used when the diffuser frame needs to be held down to achieve a flat connection to the support structure.

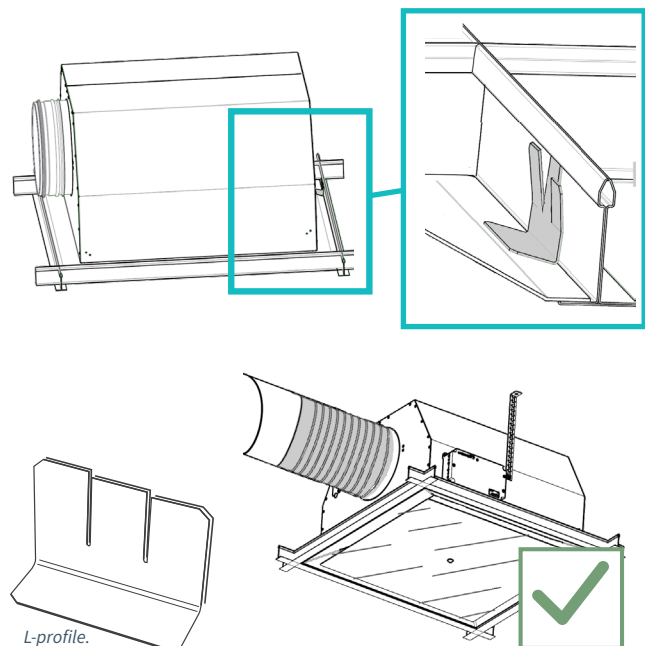
The L-profile can be adjusted manually in height to achieve the necessary pressure against the support structure.

CORRECT INSTALLATION:

All steps are carried out in sequence according to this instruction.

The diffuser is correctly positioned without visible gaps

The diffuser is properly relieved so that the support structure has not been affected.



L-profile.