

Zehnder ComfoTube 90mm



ComfoTube 90mm

The Zehnder ComfoTube 90mm is a high performance semi-rigid ductwork ideal for residential applications. The low profile manifolds and ductwork mean it's perfect for use in small ceiling voids and is strong enough to even be set into the building concrete structure. The clinside smooth internal lining help to reduce build up of dust and enable the ductwork to be cleaned, this has helped the ductwork achieve a hygiene certificate from the Hygiene Institute. The ductworks quality has also earned it the highly acclaimed SKZ certification in addition to meeting the minimum standard for PCDB accreditation.

The ductwork can be installed much faster than conventional ductwork with a reduced number of connections helping to reduce any potential air leakage within the system. The O-rings and locking slides also help to prevent the ductwork being disconnected during first fix and maintain an airtight seal. End caps are also provided to prevent dust ingress during first fix to maintain a hygienic system.

A variety of manifolds, ancillaries and terminations can be used with the ductwork in addition to a wide range of designer grilles. The ductwork can also be used with the unique modular ComfoWell manifolds with integrated attenuators and filters.

Key Features

- Easy and quick to install
- Airtight
- High-quality food-grade plastic (HDPE)
- Meets the minimum standard for PCDB accreditation
- Certified by the Hygiene Institute and SKZ certified
- Low pressure losses
- Easy to clean
- Suitable for installation in the building concrete structure
- Crush resistant ring stiffness of ~10.0 kN/m²
- Corrosion resistant
- Lightweight and easy to handle
- No sealant or tape required
- Wide range of manifolds and grille terminations
- Suitable for use with the unique modular ComfoWell manifolds

Article Numbers

| Description | Product Code |
|--|--------------|
| Ductwork | |
| Zehnder ComfoTube ø 90mm, 50m roll | 990 328 009 |
| Zehnder ComfoTube ø 90mm, 20m roll | 990 328 010 |
| Manifold - See ComfoWell datasheet for all modular manifold options | |
| Zehnder ComfoTube distribution box 220, 1 x ø 125mm connection, 6 x ø 90mm ports with 4 x ø 110mm end caps | 990 323 070 |
| Zehnder ComfoTube distribution box 350, 1 x ø 125mm connection, 9 x ø 90mm ports with 6 x ø 110mm end caps | 990 323 071 |
| CLD Grille housing | |
| Grille housing CLD-P 90 frontal sleeve, height 115mm, connects 1 x ø 90mm Zehnder ComfoTube | 990 320 845 |
| Grille housing CLD-P 90 lateral sleeve, height 115mm, connects 1 x ø 90mm Zehnder ComfoTube | 990 320 846 |
| Grille housing CLD-P 90 frontal sleeve, height 140mm, connects 1 x ø 90mm Zehnder ComfoTube | 990 320 851 |
| Grille housing CLD-P 90 lateral sleeve, height 140mm, connects 1 x ø 90mm Zehnder ComfoTube | 990 320 852 |

Article Numbers

TVA Grille housing

| | |
|--|-------------|
| Grille housing TVA 90 connects 1 x ø 125mm valve to 2 x ø 90mm ports Zehnder ComfoTube, L198mm | 990 320 712 |
| Grille housing TVA-P 90 connects 1 x ø 125mm valve to 1 x ø 90mm Zehnder ComfoTube, L64mm | 990 326 122 |
| Grille housing TVA-P 90 connects 1 x ø 125mm valve to 1 x ø 90mm Zehnder ComfoTube, L300mm | 990 326 126 |

Lamina / Bilamina Grille housing

| | |
|---|-------------|
| Rectangular grille housing, 1 x ø 90mm connection to Lamina or Bilamina 400 | 990 321 643 |
| Rectangular grille housing, 1 x ø 90mm connection to Lamina or Bilamina 600 | 990 321 661 |
| Rectangular grille housing, 2 x ø 90mm connections to Lamina or Bilamina 600 | 990 321 662 |
| Rectangular grille housing, 1 x ø 90mm, 2 x ø 75mm connection to Lamina or Bilamina 400 | 990 321 745 |

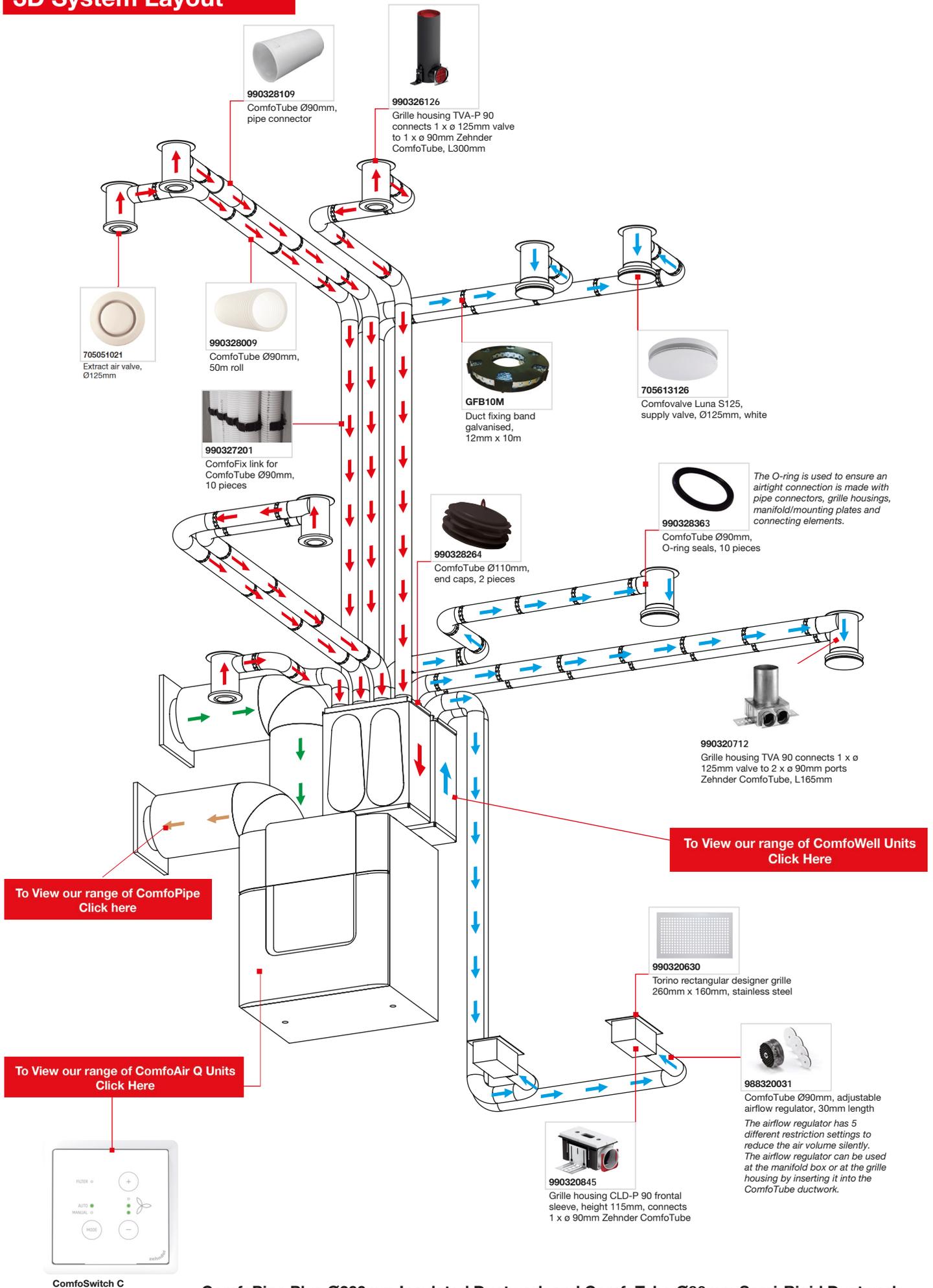
Renoventil Grille housing

| | |
|--|-------------|
| Renoventil housing, for ø 90mm, length 400mm | 990 320 062 |
|--|-------------|

Ancillaries

| | |
|---|-------------|
| Zehnder ComfoTube ø 90mm, adjustable airflow regulator, 30mm length | 988 320 031 |
| Zehnder ComfoTube ø 90mm, adjustable airflow regulator, 75mm length | 990 320 027 |
| Filter for ø 125mm extract air valve, ISO Coarse >45% (G3), 10 Pieces | 990 320 032 |
| Filter for CLD housing, ISO Coarse >45% (G3), 10 Pieces | 990 320 573 |
| Zehnder ComfoFresh Flat 51 to Zehnder ComfoTube ø 75/90mm convertor | 990 322 013 |
| Zehnder ComfoTube ø 90mm, 90° bend | 990 322 153 |
| Zehnder ComfoTube ø 75/90mm cross-piece | 990 322 155 |
| Zehnder ComfoTube ø 90mm, locking slides, 10 pieces | 990 326 025 |
| Grille housing TVA-P 75/90 mounting set for concrete application | 990 326 127 |
| 90° metal bracket for max 2 Zehnder ComfoTube | 990 327 109 |
| Zehnder ComfoFix link for ComfoTube ø 90mm, 10 pieces | 990 327 201 |
| Zehnder ComfoTube ø 90mm, pipe connector | 990 328 109 |
| Zehnder ComfoTube ø 90mm, end caps, 10 pieces | 990 328 263 |
| Zehnder ComfoTube ø 110mm, end caps, 2 pieces | 990 328 264 |
| Zehnder ComfoTube ø 90mm, O-ring seal, 10 pieces | 990 328 363 |

3D System Layout



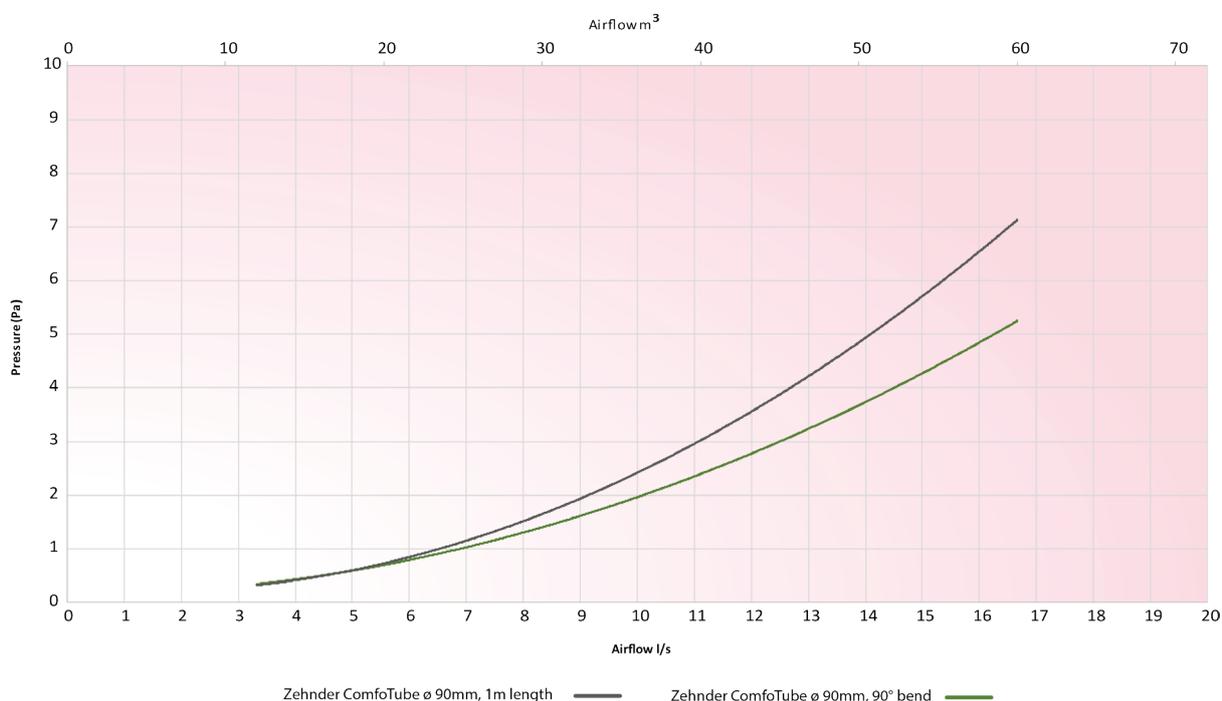
Zehnder ComfoTube ø 90mm, 20/50m roll

Article number: 990 328 010 / 990 328 009

Technical Specification

| | |
|---|--|
| Material | High-quality food-grade plastic Outer layer: High-density polyethylene (HDPE) Inner layer: Low-density polyethylene (LDPE) |
| Operating temperature range | "-25 to +60 °C" |
| Maximum recommended air volume per tube | 13.8l/s (50m³/h) |
| Minimum bending radius | 90mm |
| Minimum radius < 2 x diameter | Yes |
| Buoyancy in concrete | 130 N/m |
| Outside diameter | 90mm |
| Inside diameter | 74mm |
| Weight per m | 0.43 kg/m |
| Fire rating in accordance with DIN EN 13501-1 | E |
| Ring stiffness | ~10 kN/m² |
| BS EN ISO 9969:2007 crushability compliant | Yes |
| Coil diameter (50m roll) | 1180mm |
| Coil height (50m roll) | 470mm |

Pressure Curve



Sound Data

| | Octave Band (Hz) Insertion Loss, dB | | | | | | | |
|-------------------------------------|-------------------------------------|-----|-----|-----|------|------|------|------|
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| Zehnder ComfoTube ø 90mm, 1m length | 0.4 | 0.5 | 0.3 | 0.3 | 0.4 | 0.7 | | |

Acoustic performance measured according to EN ISO 7235 (pink noise)

**Zehnder ComfoTube distribution box 220,
1 x \varnothing 125mm connection, 6 x \varnothing 90mm ports with
4 x \varnothing 110mm end caps**

Article number: 990 323 070

Description

Manifold:

Zehnder ComfoTube distribution box. Low profile compact design.

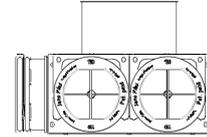
Suitable for use with the Zehnder ComfoTube \varnothing 90mm semi-rigid ductwork and comes complete with locking slides and end caps.

Suitable for installation in the building concrete structure

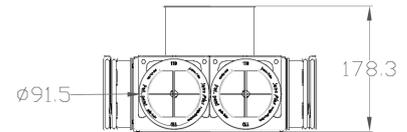


Dimensions

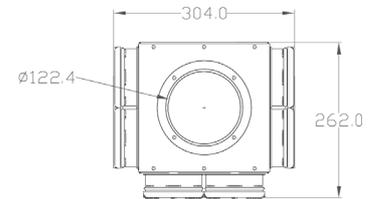
Side view



Front view



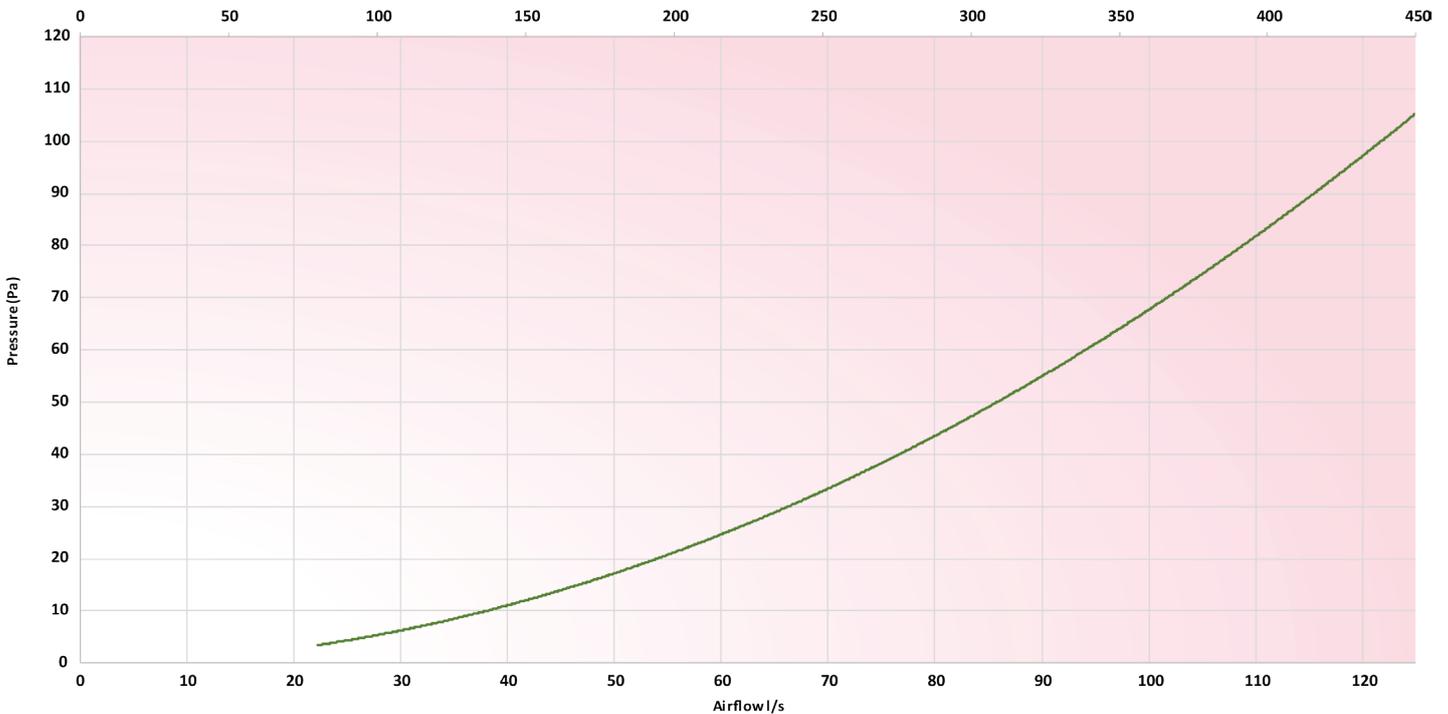
Top View



Technical Specification

| | |
|----------|---------------------|
| Height | 178.3mm |
| Width | 304mm |
| Depth | 262mm |
| Weight | 1.8kg |
| Material | White painted steel |

Pressure Curve



Zehnder ComfoTube distribution box 220, 1 x \varnothing 125mm connection, 6 x \varnothing 90mm ports with 4 x \varnothing 110mm end caps

■ For use with Zehnder ComfoTube \varnothing 90mm semi-rigid ductwork.

**Zehnder ComfoTube distribution box 350,
1 x \varnothing 160mm connection, 9 x \varnothing 90mm ports with
6 x \varnothing 110mm end caps**

Article number: 990 323 071

Description

Manifold:

Zehnder ComfoTube distribution box. Low profile compact design. Suitable for use with the Zehnder ComfoTube \varnothing 90mm semi-rigid ductwork and comes complete with locking slides and end caps. Suitable for installation in the building concrete structure

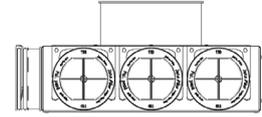
Technical Specification

| | |
|----------|---------------------|
| Height | 177.3mm |
| Width | 434mm |
| Depth | 392mm |
| Weight | 3.52kg |
| Material | White painted steel |

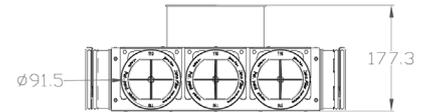


Dimensions

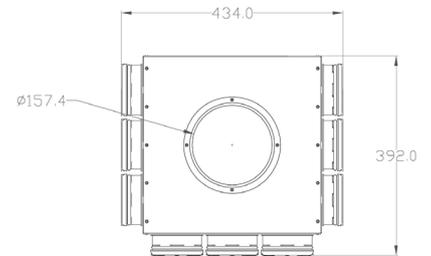
Side view



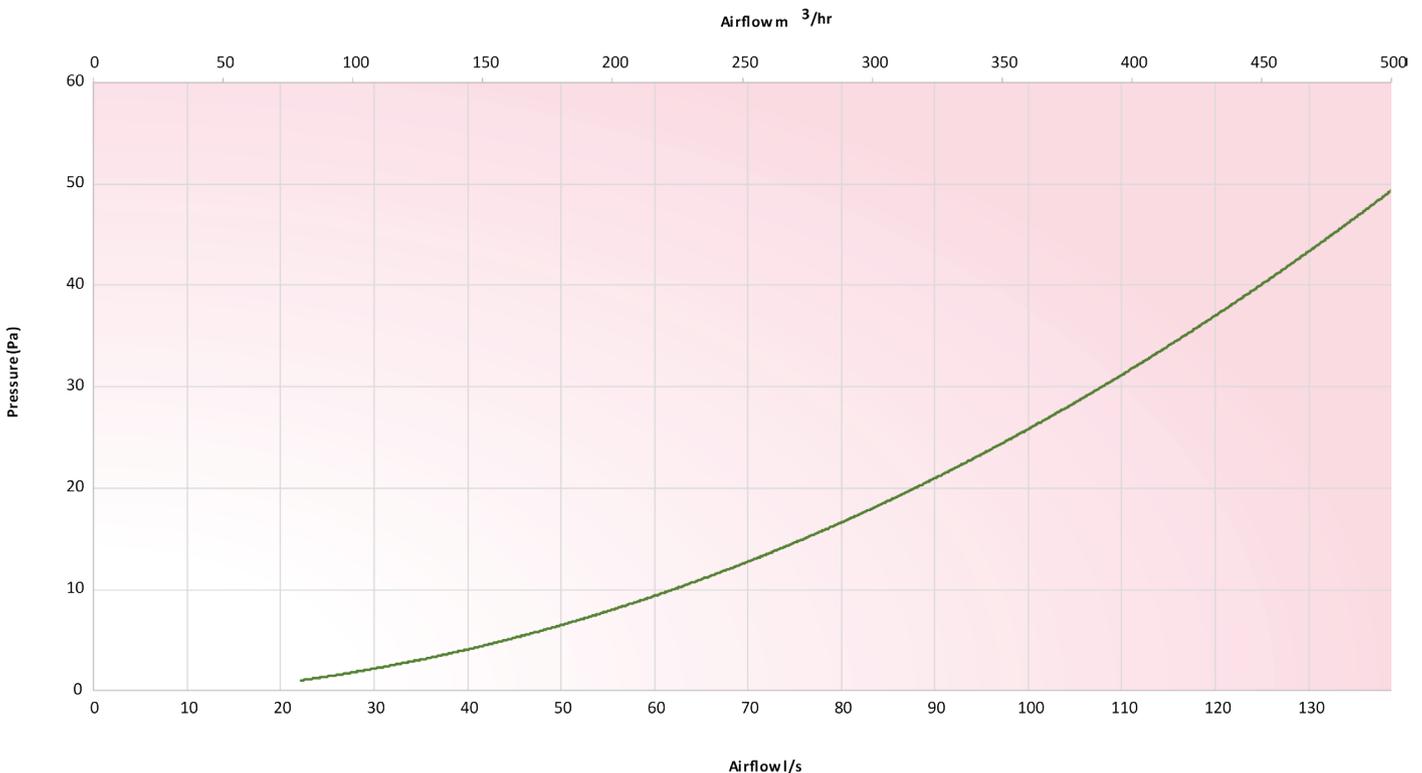
Front view



Top View



Pressure Curve



Zehnder ComfoTube distribution box 350, 1 x \varnothing 125mm connection, 9 x \varnothing 90mm port with 6 x \varnothing 110mm end caps

■ For use with Zehnder ComfoTube \varnothing 90mm semi-rigid ductwork.

CLD Grille housing - Frontal Sleeve 115mm

Article number: 990 320 845

Description

CLD Grille housing:

Rectangular frontal sleeve entry grille housing. The cleanable rectangular CLD grille housing is suitable for installation in all types of wall/floor/ceiling depending on the CLD height and comes complete with locking slides.

The rectangular designer grilles (300 x 200mm and 260 x 160mm) can be surface or flush-mounted dependent on preference. [A Zehnder ComfoFresh filter](#) can be used to remove particulates.

Technical Specification

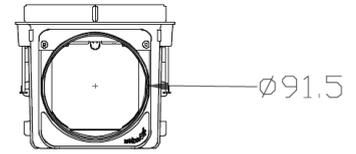
| | |
|----------|----------------------------------|
| Height | 115mm |
| Width | 277.9mm |
| Depth | 144mm |
| Weight | <0.8kg |
| Material | High-density polyethylene (HDPE) |

■ For use with Zehnder CLD Designer grilles.

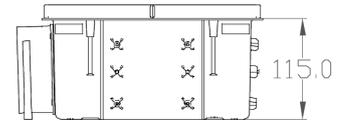


Dimensions

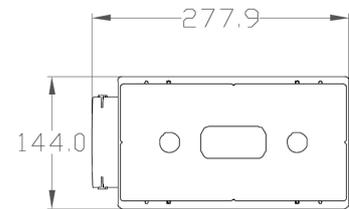
Side view



Front view



Top View



CLD Grille housing - Lateral Sleeve 115mm

Article number: 990 320 846

Description

CLD Grille housing:

Rectangular lateral sleeve entry grille housing. The cleanable rectangular CLD grille housing is suitable for installation in all types of wall/floor/ceiling depending on the CLD height and comes complete with locking slides.

The rectangular designer grilles (300 x 200mm and 260 x 160mm) can be surface or flush-mounted dependent on preference. [A Zehnder ComfoFresh filter](#) can be used to remove particulates.

Technical Specification

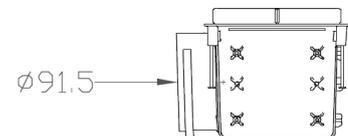
| | |
|----------|----------------------------------|
| Height | 115mm |
| Width | 250mm |
| Depth | 171.8mm |
| Weight | <0.8kg |
| Material | High-density polyethylene (HDPE) |

■ For use with Zehnder CLD Designer grilles.

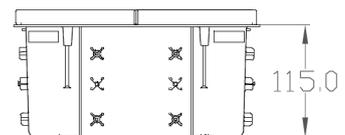


Dimensions

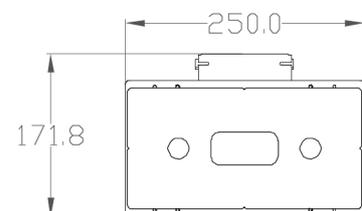
Side view



Front view

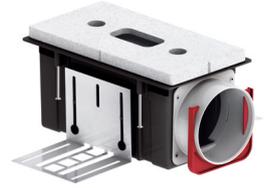


Top View



CLD Grille housing - Frontal Sleeve 140mm

Article number: 990 320 851



Description

CLD Grille housing:

Rectangular frontal sleeve entry grille housing. The cleanable rectangular CLD grille housing is suitable for installation in all types of wall/floor/ceiling depending on the CLD height and comes complete with locking slides.

The rectangular designer grilles (300 x 200mm and 260 x 160mm) can be surface or flush-mounted dependent on preference. [A Zehnder ComfoFresh filter](#) can be used to remove particulates.

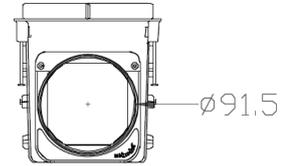
Technical Specification

| | |
|----------|----------------------------------|
| Height | 140mm |
| Width | 277.2 mm |
| Depth | 144mm |
| Weight | <0.8kg |
| Material | High-density polyethylene (HDPE) |

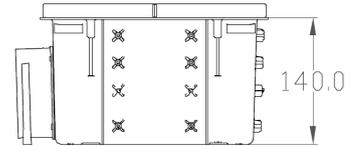
■ For use with Zehnder CLD Designer grilles.

Dimensions

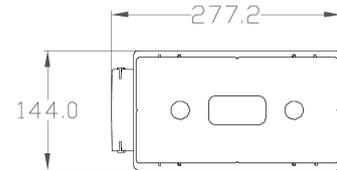
Side view



Front view



Top View



CLD Grille housing - Lateral Sleeve 140mm

Article number: 990 320 852



Description

CLD Grille housing:

Rectangular lateral sleeve entry grille housing. The cleanable rectangular CLD grille housing is suitable for installation in all types of wall/floor/ceiling depending on the CLD height and comes complete with locking slides.

The rectangular designer grilles (300 x 200mm and 260 x 160mm) can be surface or flush-mounted dependent on preference. [A Zehnder ComfoFresh filter](#) can be used to remove particulates.

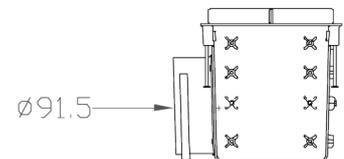
Technical Specification

| | |
|----------|----------------------------------|
| Height | 140mm |
| Width | 250mm |
| Depth | 171.2mm |
| Weight | <0.8kg |
| Material | High-density polyethylene (HDPE) |

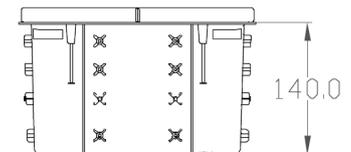
■ For use with Zehnder CLD Designer grilles.

Dimensions

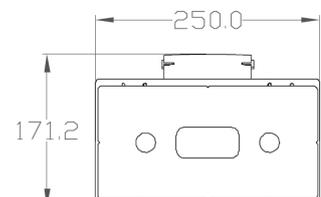
Side view



Front view



Top View



Grille housing TVA 90 connects 1 x \varnothing 125mm valve to 2 x \varnothing 90mm ports Zehnder ComfoTube, L198mm

Article number: 990 320 712

Description

TVA Grille housing

Circular grille housing. The cleanable circular TVA grille housing is suitable for installation in all types of wall/ceiling depending on the height and comes complete with locking slides.

The square (160 x 160mm) and circular designer grilles can be used in addition to any standard \varnothing 125mm valve. [A Zehnder ComfoFresh filter](#) can be used to remove particulates.

Technical Specification

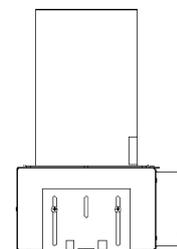
| | |
|---------------|------------------|
| Height | 308mm |
| Spigot length | 198.5mm |
| Width | 218.1mm |
| Depth | 215.8mm |
| Weight | 2.27kg |
| Material | Galvanised Steel |

■ For use with TVA Designer grilles and \varnothing 125mm supply/extract

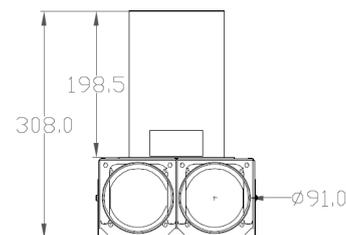


Dimensions

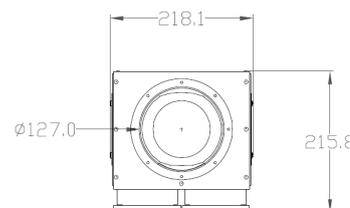
Side view



Front view



Top View



Grille housing TVA-P 90 connects 1 x \varnothing 125mm valve to 1 x \varnothing 90mm Zehnder ComfoTube, L64mm

Article number: 990 326 122

Description

TVA Grille housing

Circular grille housing. The cleanable circular TVA grille housing is suitable for installation in all types of wall/ceiling including set into concrete, depending on the height, and comes complete with locking slides. For installation into concrete the 990 326 127 mounting set is also required.

The square (160 x 160mm) and circular designer grilles can be used in addition to any standard \varnothing 125mm valve. [A Zehnder ComfoFresh filter](#) can be used to remove particulates.

Technical Specification

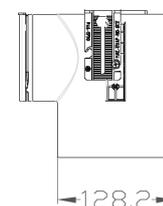
| | |
|---------------|----------------------------------|
| Height | 166mm |
| Spigot length | 64mm |
| Width | 161.2mm |
| Depth | ~170mm |
| Weight | <0.5 kg |
| Material | High-density polyethylene (HDPE) |

■ For use with TVA Designer grilles, \varnothing 125mm supply/extract grilles and ComfoValve Luna

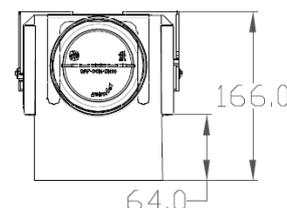


Dimensions

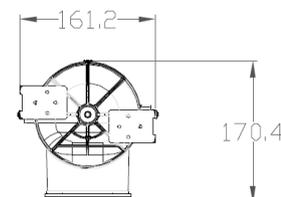
Side view



Front view



Top View



Grille housing TVA-P 90 connects 1 x \varnothing 125mm valve to 1 x \varnothing 90mm Zehnder ComfoTube, L300mm

Article number: 990 326 126

Description

TVA Grille housing

Circular grille housing. The cleanable circular TVA grille housing is suitable for installation in all types of wall/ceiling depending on the height and comes complete with locking slides.

The square (160 x 160mm) and circular designer grilles can be used in addition to any standard \varnothing 125mm valve. [A Zehnder ComfoFresh filter](#) can be used to remove particulates.

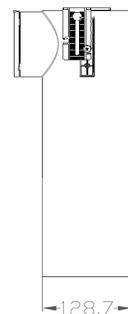
Technical Specification

| | |
|---------------|----------------------------------|
| Height | 403.5mm |
| Spigot length | 300.5mm |
| Width | 161.2mm |
| Depth | ~170mm |
| Weight | <0.5 kg |
| Material | High-density polyethylene (HDPE) |

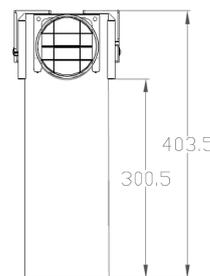


Dimensions

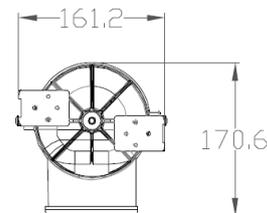
Side view



Front view



Top View



■ For use with TVA Designer grilles, \varnothing 125mm supply/extract grilles and ComfoValve Luna

Rectangular grille housing, 1 x \varnothing 90mm connection to Lamina or Bilamina 400

Article number: 990 321 643

Description

Lamina / Bilamina Grille housing

Rectangular lateral sleeve entry grille housing. The cleanable rectangular lamina / bilamina grille housing is suitable for installation in all types of wall/ceiling depending on the height and comes complete with locking slides.

The rectangular lamina / bilamina grilles can be used and offer adjustable directional air supply.

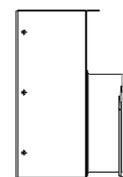
Technical Specification

| | |
|----------|------------------|
| Height | 164mm |
| Width | 434mm |
| Depth | 103mm |
| Weight | <2.8kg |
| Material | Galvanised Steel |

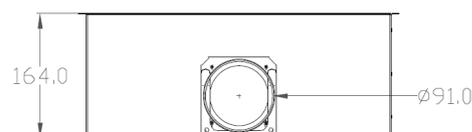


Dimensions

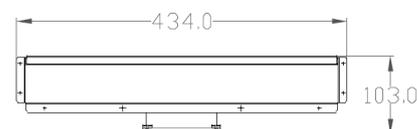
Side view



Front view



Top View



■ For use with Lamina / Bilamina 400 rectangular grilles

Rectangular grille housing, 1 x ø 90mm connection to Lamina or Bilamina 600

Article number: 990 321 661

Description

Lamina / Bilamina Grille housing

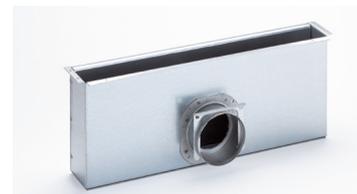
Rectangular lateral sleeve entry grille housing. The cleanable rectangular lamina / bilamina grille housing is suitable for installation in all types of wall/ceiling depending on the height and comes complete with locking slides.

The rectangular lamina / bilamina grilles can be used and offer adjustable directional air supply.

Technical Specification

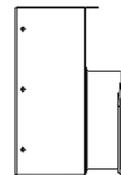
| | |
|----------|------------------|
| Height | 164mm |
| Width | 634mm |
| Depth | 103mm |
| Weight | <2.8kg |
| Material | Galvanised Steel |

■ For use with Lamina / Bilamina 600 rectangular grilles

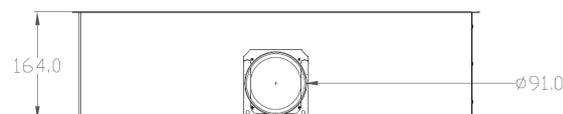


Dimensions

Side view



Front view



Top View



Rectangular grille housing, 2 x ø 90mm connection to Lamina or Bilamina 600

Article number: 990 321 662

Description

Lamina / Bilamina Grille housing

Rectangular lateral sleeve entry grille housing. The cleanable rectangular lamina / bilamina grille housing is suitable for installation in all types of wall/ceiling depending on the height and comes complete with locking slides.

The rectangular lamina / bilamina grilles can be used and offer adjustable directional air supply.

Technical Specification

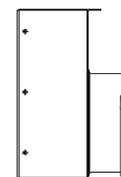
| | |
|----------|------------------|
| Height | 164mm |
| Width | 634mm |
| Depth | 103mm |
| Weight | 3kg |
| Material | Galvanised Steel |

■ For use with Lamina / Bilamina 600 rectangular grilles



Dimensions

Side view



Front view



Top View



Rectangular grille housing, 2 x \varnothing 90mm connection to Lamina or Bilamina 400

Article number: 990 321 745

Description

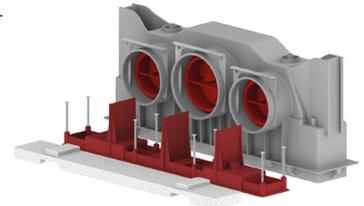
Lamina / Bilamina Grille housing

Rectangular lateral sleeve entry grille housing. The cleanable rectangular lamina / bilamina grille housing is suitable for installation in all types of wall/ceiling depending on the height and comes complete with locking slides.

The rectangular lamina / bilamina grilles can be used and offer adjustable directional air supply.

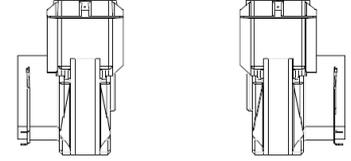
Technical Specification

| | |
|----------|----------------------------------|
| Height | 182mm |
| Width | 439mm |
| Depth | 115.4mm |
| Weight | 1.05kg |
| Material | High-density polyethylene (HDPE) |

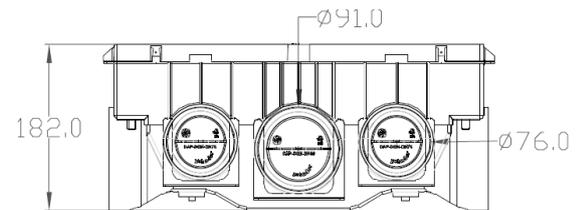


Dimensions

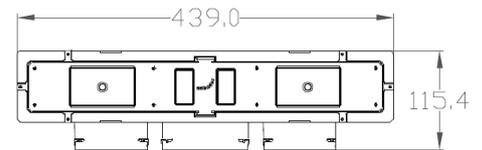
Side view



Front view



Top View



■ For use with Lamina / Bilamina 400 rectangular grilles

Renoventil housing, for \varnothing 90mm, length 400mm

Article number: 990 320 062

Description

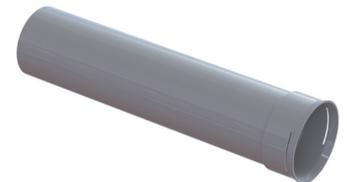
Renoventil Grille housing

Circular grille housing. The renoventil housing is perfect for refurbishments since the renoventil supply and extract grilles can be located close to the ceiling.

The renoventil grille housing comes complete with O-ring and locking slide.

Technical Specification

| | |
|----------|----------------------------------|
| Length | 435mm |
| Diameter | 90-100mm |
| Weight | 0.28kg |
| Material | High-density polyethylene (HDPE) |



Dimensions

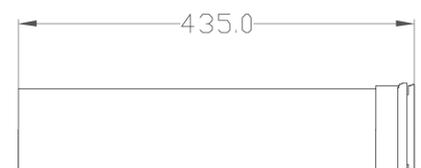
Side view



Front view



Top View



■ For use with Renoventil supply/extract grilles

Ancillaries - Zehnder ComfoTube ø 90mm, adjustable airflow regulator

Article number: 990 320 027 / 990 320 031



Description

Airflow regulator:

Zehnder ComfoTube adjustable airflow regulator. The airflow regulator has 5 different restriction settings to reduce the air volume silently.

The airflow regulator can be used at the manifold box or at the grille housing by inserting it into the ComfoTube ductwork.

Technical Specification

| | |
|----------|---------------|
| Length | 75mm / 30mm |
| Diameter | 74mm |
| Weight | <0.06kg |
| Material | Polypropylene |

Ancillaries - Zehnder ComfoFresh filter

Article number: 990 320 032 / 990 320 573



Description

Grille housing filter:

Zehnder ComfoFresh filter for ø 125mm TVA and CLD grille housing. The filter is perfect to remove particles before they enter the ductwork and is quick and easy to install without interfering with the installed parts.

Technical Specification

| | 990 320 032 | 990 320 573 |
|--------------|----------------------|-------------|
| Length | 165mm | |
| Diameter | 125mm | |
| Height | | 9mm |
| Width | | 113mm |
| Depth | | 174mm |
| Filter grade | ISO Coarse <45% (G3) | |
| Weight | <0.018kg each | |
| Material | Polyester | |

■ For use with TVA and CLD designer grilles and ø 125mm extract grilles

Ancillaries - Zehnder ComfoFresh Flat 51 to Zehnder ComfoTube 90mm convertor

Article number: 990 322 013

Description

Zehnder ComfoFresh Flat 51 to Zehnder ComfoTube \varnothing 75/90mm convertor:

Zehnder ComfoTube adjustable airflow regulator. The rigid connector can be used to convert Zehnder ComfoFresh Flat 51 to Zehnder ComfoTube \varnothing 90mm and comes complete with locking slides and O-rings.

Technical Specification

| | |
|----------|----------------------------------|
| Height | 97mm |
| Width | 167mm |
| Depth | 145mm |
| Weight | 0.24kg |
| Material | High-density polyethylene (HDPE) |

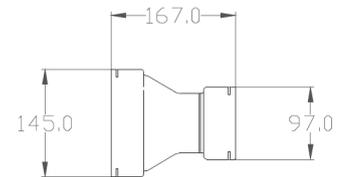
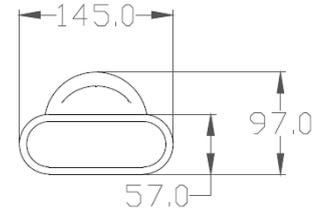


Dimensions

Side view

Front view

Top View



Ancillaries - Zehnder ComfoTube \varnothing 90mm, 90° bend

Article number: 990 322 153

Description

Rigid 90° bend:

Zehnder ComfoTube \varnothing 90mm, 90° bend. The rigid bend can be placed between two lengths of Zehnder ComfoTube \varnothing 90mm or directly into the manifold / mounting plate and comes complete with locking slides.

Technical Specification

| | |
|----------|----------------------------------|
| Height | 186.5mm |
| Width | 101.8mm |
| Depth | 147.5mm |
| Weight | 0.2kg |
| Material | High-density polyethylene (HDPE) |

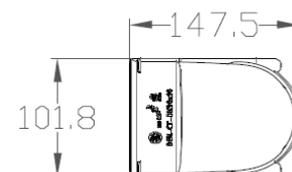
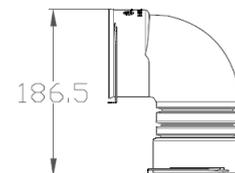
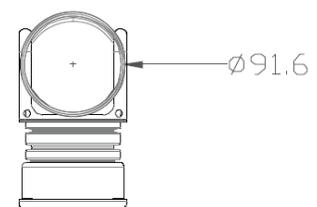


Dimensions

Side view

Front view

Top View



Ancillaries - Zehnder ComfoTube ø 90mm cross-piece

Article number: 990 322 155

Description

ComfoTube cross-piece:

Zehnder ComfoTube ø 90mm cross-piece. The compact cross-piece can be used to cross over two lengths of Zehnder ComfoTube ø 90mm in a height restricted space.

The cross-piece comes complete with locking slides and O-rings.

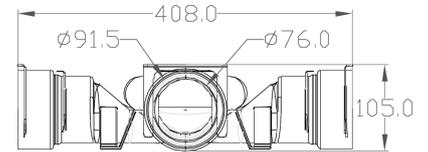
Technical Specification

| | |
|----------|----------------------------------|
| Height | 105mm |
| Width | 408mm |
| Depth | 408mm |
| Weight | 1.2 kg |
| Material | High-density polyethylene (HDPE) |

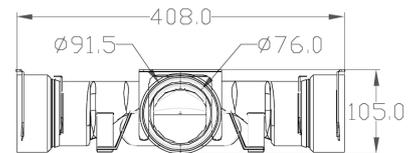


Dimensions

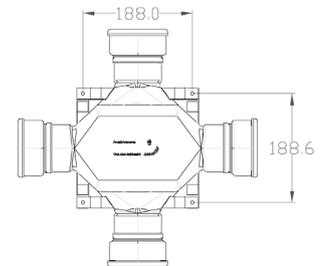
Side view



Front view



Top View



Ancillaries - Zehnder ComfoTube ø 90mm, locking slides, 10 pieces

Article number: 990 326 025

Description

Locking slide:

Zehnder ComfoTube ø 90mm, locking slide. The locking slide is used to secure the Zehnder ComfoTube ø 90mm ductwork without the need for messy sealants.

Technical Specification

| | |
|----------|------------------|
| Weight | 0.042kg (each) |
| Material | Galvanised steel |



■ For use with Zehnder ComfoTube ø 90mm [ComfoWell](#) / Grille housings

Ancillaries - Grille housing TVA-P mounting set for concrete application

Article number: 990 326 127



Mounting set:

Grille housing TVA-P 75/90 mounting set for concrete application. Used in conjunction with 64mm versions of the TVA-P to ensure quick installation to wooden framework prior to concrete being poured.

Technical Specification

| | |
|----------|---------|
| Weight | 0.08kg |
| Material | Polymer |

■ For use with TVA-P L64mm versions

Ancillaries - 90° metal bracket for max 2 Zehnder ComfoTube

Article number: 990 327 109



Description

Metal bracket:

90° metal bracket for max 2 Zehnder ComfoTube. The mounting aid is to enable a 90 degree angle to be formed on Zehnder ComfoTube ø 90mm when attached to a horizontal surface.

Technical Specification

| | |
|----------|------------------|
| Height | 200mm |
| Width | 300mm |
| Depth | 100mm |
| Weight | 0.57kg |
| Material | Galvanised steel |

**Ancillaries - Zehnder ComfoFix link for ComfoTube
ø 90mm, 10 pieces**

Article number: 990 327 201

Description

ComfoFix mounting bracket:

Zehnder ComfoFix link for ComfoTube ø 90mm. The mounting bracket can be prefixed on the floor /wall/ceiling and allows the Zehnder ComfoTube ø 90mm to be clicked in place. Several brackets can also be linked on the horizontal or vertical level to fix Zehnder ComfoTube ø 90mm in place.

Over 50% of time can be saved on installation using ComfoFix when compared to installation using perforated metal banding without the risk of damage to the ductwork.

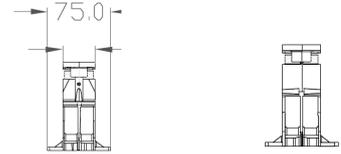
Technical Specification

| | |
|----------|--------------------------------------|
| Height | 105.1mm |
| Width | 119.7mm |
| Depth | 75mm |
| Weight | 0.09 kg (each) |
| Material | Glass fiber reinforced polypropylene |

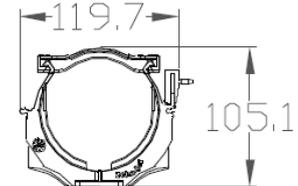


Dimensions

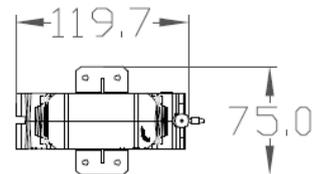
Side view



Front view



Top View



Ancillaries - Zehnder ComfoTube ø 90mm, pipe connector

Article number: 990 328 109

Description

Pipe connector:

Zehnder ComfoTube ø 90mm, pipe connector. The connector is used to join two lengths of Zehnder ComfoTube ø 90mm together to create an airtight and robust seal using O-rings.

Technical Specification

| | |
|-------------|-----------------------------|
| Length | 177mm |
| Diameter ID | 92mm |
| Diameter OD | 98.5mm |
| Weight | 0.13kg |
| Material | Medium-density polyethylene |

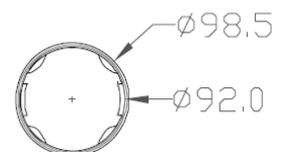


Dimensions

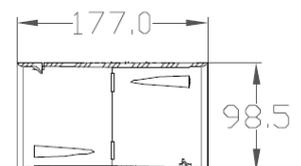
Side view



Front view



Top View



Zehnder ComfoTube ø 90mm, end caps, 10 pieces

Article number: 990 328 263



Description

End caps:

Zehnder ComfoTube end caps. The 90mm end caps can be placed within their corresponding Zehnder ComfoTube ø 90mm duct during the construction phase to prevent dust ingress. The 90mm end caps can also be placed directly into the 75mm manifold or mounting plate to seal off any unwanted ports.

Technical Specification

| | |
|----------|-----------------------------|
| Length | 53.3mm |
| Diameter | 82mm |
| Weight | 0.031 (each) |
| Material | Medium-density polyethylene |

Zehnder ComfoTube ø 110mm, end caps, 2 pieces

Article number: 990 328 264



Description

End caps:

Zehnder ComfoTube end caps. The 110mm end caps can be placed within their corresponding Zehnder ComfoTube ø 110mm duct during the construction phase to prevent dust ingress. The 110mm end caps can be placed directly into the 90mm manifold or mounting plate to seal off any unwanted ports.

Technical Specification

| | |
|----------|-----------------------------|
| Length | 55.3mm |
| Diameter | 102mm |
| Weight | 0.05 (each) |
| Material | Medium-density polyethylene |

Ancillaries - Zehnder ComfoTube ø 90mm, O-ring seal, 10 pieces

Article number: 990 328 363



Description

O-ring:

Zehnder ComfoTube O-ring seal. The O-ring is used to ensure an airtight connection is made with pipe connectors, grille housings, manifold/mounting plates and connecting elements.

Technical Specification

| | |
|------------------|---|
| Outside diameter | 98mm |
| Inside diameter | 75mm |
| Weight | 0.009kg (each) |
| Material | EPDM (Ethylene Propylene Diene Monomer) |

BIM/CAD Components

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Installation Instructions

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Consultant specification

Specification

The semi-rigid ductwork shall be dual wall constructed of high-quality food-grade plastic HDPE/LDPE with a crush resistant ring stiffness of $\sim 10.0 \text{ kN/m}^2$. It shall be suitable for installation into concrete with a fire rating in accordance with EN 13501 of E. It shall have an operating temperature range of -25 to $+60 \text{ }^\circ\text{C}$ and not be designed to exceed flowrates of 8.3l/s .

The ductwork shall have SKZ certification along with a hygiene certificate and be accredited for use in SAP Appendix Q.

The ductwork shall be manufactured by Zehnder.

zehnder

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