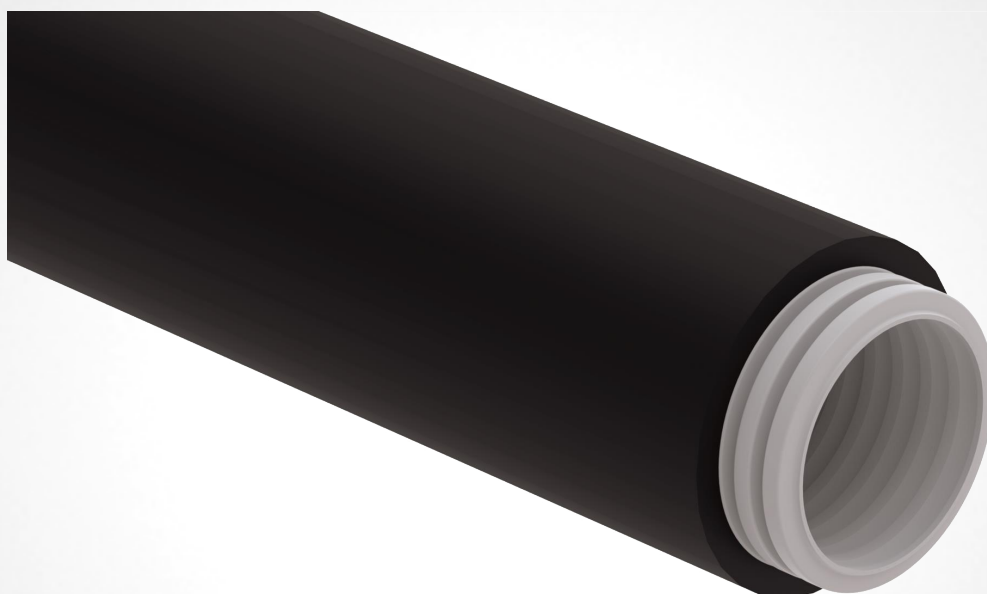


# Zehnder ComfoTube Therm 90 mm

**Insulated semi-rigid ductwork**

Product data sheet

**always the best climate**



# ComfoTube Therm 90 mm

The Zehnder ComfoTube Therm 90 mm is a high performance insulated semi-rigid ductwork ideal for residential applications. The attenuation and thermal properties make it the ideal ductwork for use with the Zehnder range of climate conditioning devices such as ComfoClima and ComfoPost. 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 ductwork was also one of the first to be fully accredited and listed on the PCDB.

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. Our award winning RapidLock® connections form an air tight and robust seal by simply push-fitting the semi-rigid ductwork into it, and the secure fixing helps to prevent the ductwork being disconnected during first fix. End caps are also provided to prevent dust ingress during first fix to maintain a hygienic system.

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



## Key Features

- Low temperature loss and prevention of condensation when transporting tempered air
- The non-glued insulation offers flexibility during insulation and cutting
- No thermal bridges thanks to the insulation being optimally sized to fit against the connectors
- Wide range of EPP insulated connectors
- Easy and quick to install
- Airtight
- High-quality food-grade plastic (PE)
- Meets the minimum standard for PCDB accreditation
- Low pressure losses
- Easy to clean
- Suitable for installation in the building concrete structure
- Crush resistant a ring stiffness of 7.9 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 |
|------------------------------------------------------------------------------------------------------------------------------|--------------|
| <b>Ductwork</b>                                                                                                              |              |
| <a href="#">Zehnder ComfoTube Therm insulated ø 90mm, 20m roll</a>                                                           | 990 328 030  |
| <b>EPP ancillaries</b>                                                                                                       |              |
| <a href="#">Zehnder ComfoFit Therm insulated ø 90mm, pipe connector</a>                                                      | 990 430 855  |
| <a href="#">Zehnder ComfoFit Therm insulated ø 90mm, 90° bend</a>                                                            | 990 430 856  |
| <a href="#">Zehnder ComfoFit Therm insulated Flat 51 to Zehnder ComfoTube Therm insulated ø 90mm convertor</a>               | 990 430 857  |
| <a href="#">Zehnder ComfoFit Therm insulated Flat 51 to Zehnder ComfoTube Therm insulated ø 90mm convertor with 90° bend</a> | 990 430 852  |

## Article Numbers

| Description                                                                                                                                    | Product Code |
|------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <b>CLD Grille housing</b>                                                                                                                      |              |
| <a href="#">Grille housing CLD-P 90 frontal sleeve, height 115 mm, connects 1 x ø 90 mm Zehnder ComfoTube</a>                                  | 990 320 845  |
| <a href="#">Grille housing CLD-P 90 lateral sleeve, height 115 mm, connects 1 x ø 90 mm Zehnder ComfoTube</a>                                  | 990 320 846  |
| <a href="#">Grille housing CLD-P 90 lateral sleeve, height 140 mm, connects 1 x ø 90 mm Zehnder ComfoTube</a>                                  | 990 320 852  |
| <b>TVA Grille housing</b>                                                                                                                      |              |
| <a href="#">Grille housing TVA-P 90 connects 1 x ø 125 mm valve to 2 x ø 90 mm Zehnder ComfoTube, L300 mm</a>                                  | 990 320 725  |
| <a href="#">Grille housing TVA-P 90 connects 1 x ø 125 mm valve to 1 x ø 90 mm Zehnder ComfoTube, L64 mm</a>                                   | 990 326 122  |
| <a href="#">Grille housing TVA-P 90 connects 1 x ø 125 mm valve to 1 x ø 90 mm Zehnder ComfoTube, L300 mm</a>                                  | 990 326 126  |
| <b>CSB-P Grille housing</b>                                                                                                                    |              |
| <a href="#">Rectangular grille housing CSB-P 400 connects 1 x Lamina/Bilamina/ComfoGrid 400 to 1 x ø 90 mm, 2 x ø 75 mm Zehnder ComfoTube</a>  | 990 321 745  |
| <a href="#">Rectangular grille housing CSB-P 600 connects 1 x Lamina/Bilamina/ComfoGrid 600 to 1 x ø 110 mm, 2 x ø 90 mm Zehnder ComfoTube</a> | 990 321 746  |
| <b>Renoventil Grille housing</b>                                                                                                               |              |
| <a href="#">Renoventil housing, for ø 90 mm, length 400 mm</a>                                                                                 | 990 320 062  |
| <b>Ancillaries</b>                                                                                                                             |              |
| <a href="#">Zehnder ComfoTube ø 90 mm, adjustable airflow regulator, 30 mm length</a>                                                          | 988 320 031  |
| <a href="#">Zehnder ComfoTube ø 90 mm, adjustable airflow regulator, 75 mm length</a>                                                          | 990 320 027  |
| <a href="#">Filter for ø 125 mm extract air valve, ISO Coarse (G3), 10 Pieces</a>                                                              | 990 320 032  |
| <a href="#">Filter for CLD housing, ISO Coarse (G3), 10 Pieces</a>                                                                             | 990 320 573  |
| <a href="#">Filter for rectangular grille housing CSB-P 400, ISO Coarse (G3), 10 Pieces</a>                                                    | 990 321 768  |
| <a href="#">Filter for rectangular grille housing CSB-P 600, ISO Coarse (G3), 10 Pieces</a>                                                    | 990 321 769  |
| <a href="#">Zehnder ComfoTube ø 90 mm, manifold/grille housing spigot reducer, ø 90 mm to ø 75 mm</a>                                          | 990 322 010  |
| <a href="#">Zehnder ComfoTube ø 90mm, RapidLock slides, 10 pieces</a>                                                                          | 990 326 059  |
| <a href="#">Zehnder ComfoTube ø 90 mm, locking slides, 10 pieces</a>                                                                           | 990 326 025  |
| <a href="#">Grille housing TVA-P 75/90 mounting set for concrete application</a>                                                               | 990 326 127  |
| <a href="#">Fixing bracket for CSB-P 400/600 grille housing, 2 pieces</a>                                                                      | 988 321 646  |
| <a href="#">Zehnder ComfoTube ø 90 mm, end caps, 10 pieces</a>                                                                                 | 990 328 263  |
| <a href="#">Zehnder ComfoTube ø 110 mm, end caps, 2 pieces</a>                                                                                 | 990 328 264  |
| <a href="#">Zehnder ComfoTube ø 90 mm, O-ring seal, 10 pieces</a>                                                                              | 990 328 363  |

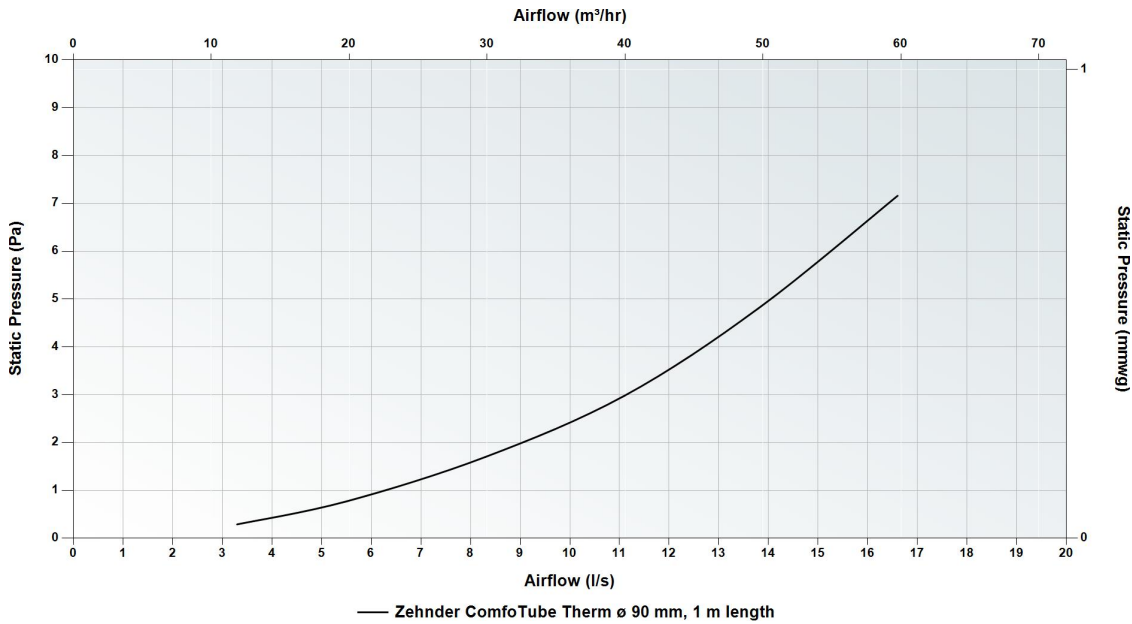
Zehnder ComfoTube Therm insulated ø 90mm, 20m roll

Article number: 990 328 030

Technical Specification

|                                                             |                                                   |
|-------------------------------------------------------------|---------------------------------------------------|
| Material - Ductwork                                         | High-quality food-grade plastic polyethylene (PE) |
| Material - Insulation                                       | Cellular rubber                                   |
| Operating temperature range                                 | -25 to +60°C                                      |
| Thermal conductivity at 0°C                                 | 0.033 W/mK                                        |
| Thermal conductivity at 20°C                                | 0.035 W/mK                                        |
| 10 m Temperature loss @ 40 m³hr (40/20°C)                   | 7.1 K                                             |
| 10 m Temperature loss @ 40 m³hr (16/25°C)                   | -5.3 K                                            |
| Maximum recommended air volume per tube                     | 13.8 l/s (50 m³/h)                                |
| Minimum bending radius                                      | 220 mm                                            |
| Buoyancy in concrete                                        | 190 N/m                                           |
| Outside diameter                                            | 108 mm                                            |
| Inside diameter                                             | 74 mm                                             |
| Insulation thickness                                        | 9 mm                                              |
| Weight per m                                                | 0.57 kg/m                                         |
| Fire rating in accordance with EN 13501-1 - Ductwork        | E                                                 |
| Fire rating in accordance with EN 13501-1 - Insulation      | BL s2, d0                                         |
| Fire rating in accordance with EN 13501-1 - EPP ancillaries | E                                                 |
| Ring stiffness                                              | 7.9 kN/m²                                         |
| BS EN ISO 9969:2016 crushability compliant                  | Yes                                               |
| Coil diameter (20 m roll)                                   | 1200 mm                                           |
| Coil height (20 m roll)                                     | 330 mm                                            |

Pressure Curve



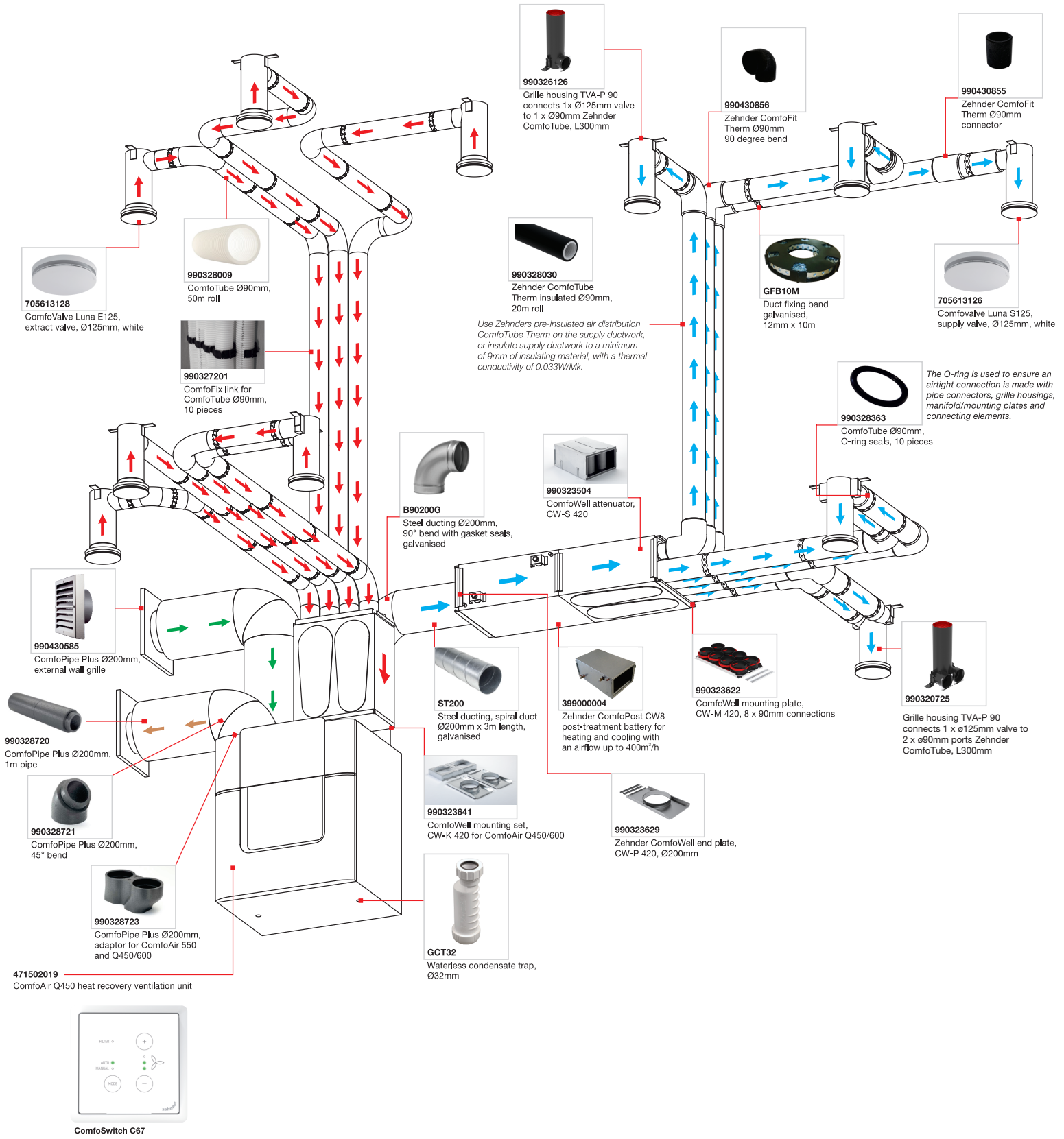
Sound Data

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

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

■ For use with Zehnder ComfoWell, Manifolds and Grille housings

3D System Layout





Zehnder ComfoFit Therm insulated ø 90mm, pipe connector

Article number: 990 430 855

Description

Pipe connector:

Zehnder ComfoTube Therm ø 90 mm, insulated pipe connector. The connector is used to join two lengths of Zehnder ComfoTube Therm ø 90 mm together to create an airtight and robust seal using the supplied O-rings. The insulation must be cut straight to ensure no thermal bridging once push fit into the connector.

Technical Specification

|             |                              |
|-------------|------------------------------|
| Length      | 140 mm                       |
| Diameter ID | 90 mm                        |
| Diameter OD | 120 mm                       |
| Weight      | 0.043 kg                     |
| Material    | Expanded polypropylene (EPP) |

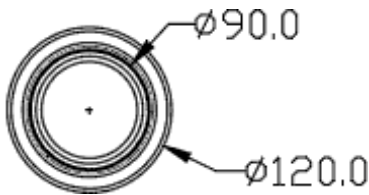


Dimensions

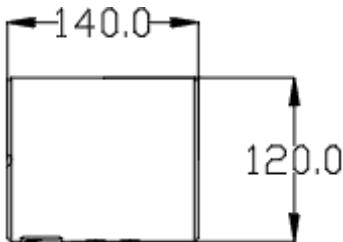
Front View



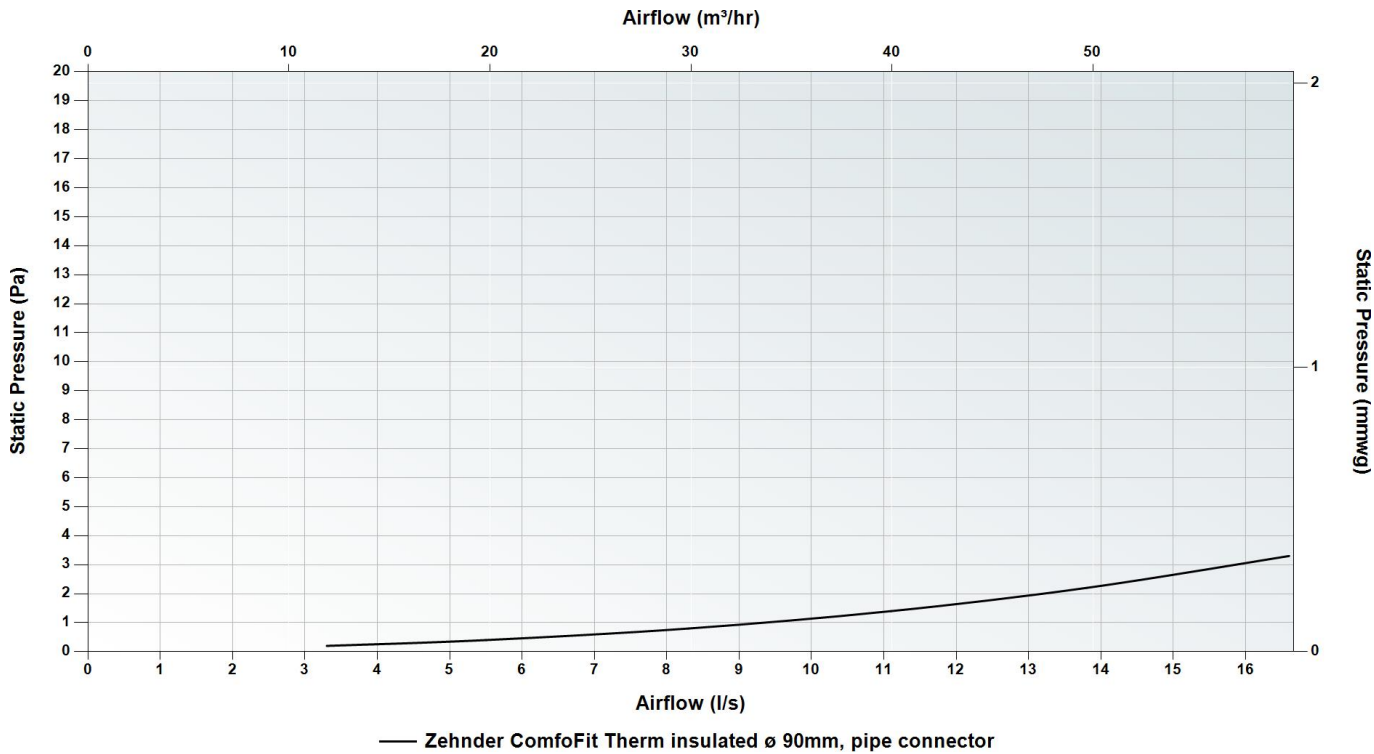
Side View



Top View



Pressure Curve



Zehnder ComfoFit Therm insulated ø 90mm, 90° bend

Article number: 990 430 856

Description

Rigid 90° bend:

Zehnder ComfoTube Therm ø 90 mm, insulated 90° bend. The rigid bend can be placed between two lengths of Zehnder ComfoTube Therm ø 90 mm to create an airtight and robust seal using the supplied O-rings. The insulation must be cut straight to ensure no thermal bridging once push fit into the connector.

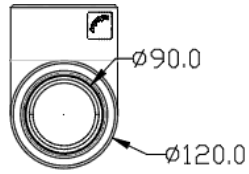
Technical Specification

|          |                              |
|----------|------------------------------|
| Height   | 182 mm                       |
| Width    | 120 mm                       |
| Depth    | 182 mm                       |
| Weight   | 0.077 kg                     |
| Material | Expanded polypropylene (EPP) |

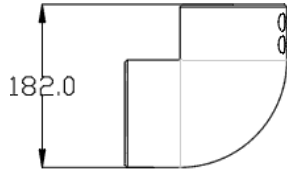


Dimensions

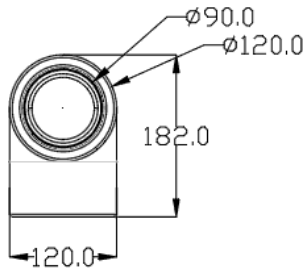
Front View



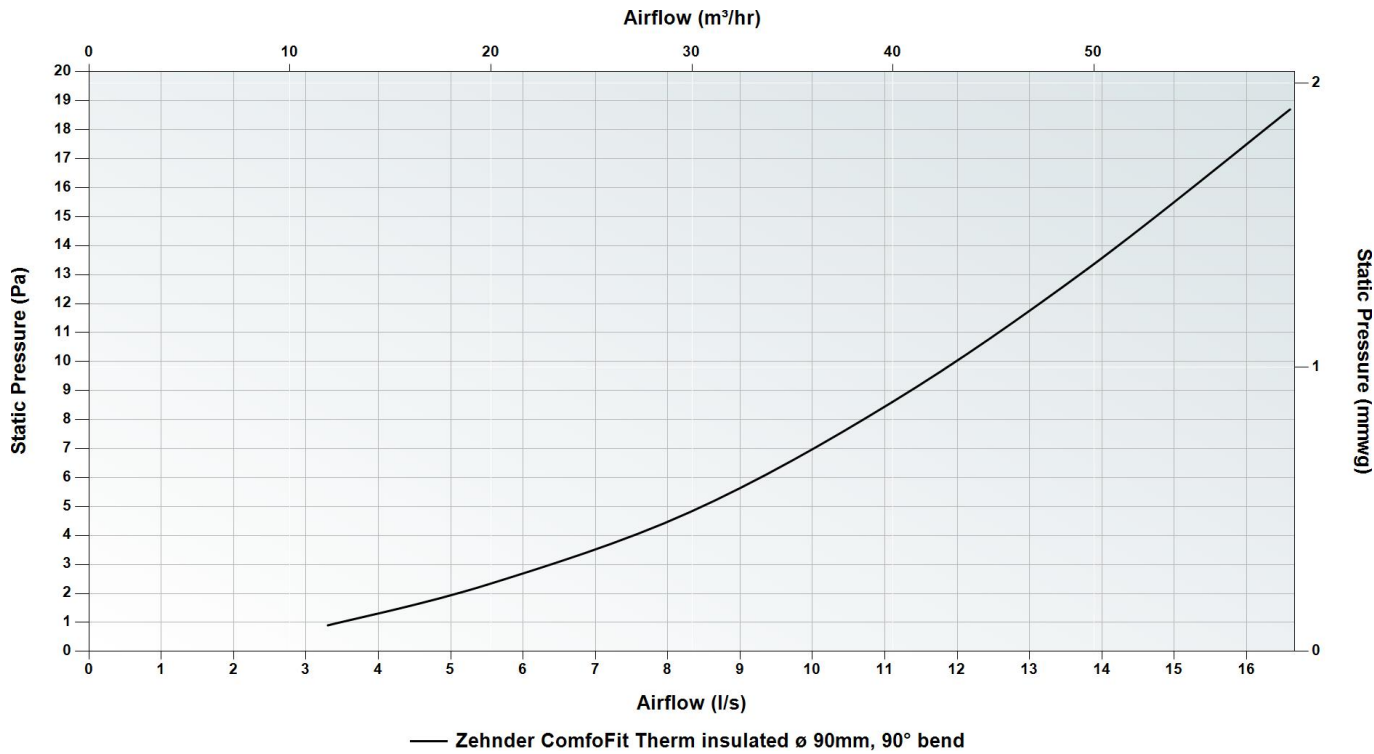
Side View



Top View



Pressure Curve





Zehnder ComfoFit Therm insulated Flat 51 to Zehnder ComfoTube Therm insulated ø 90mm convertor

Article number: 990 430 857

Description

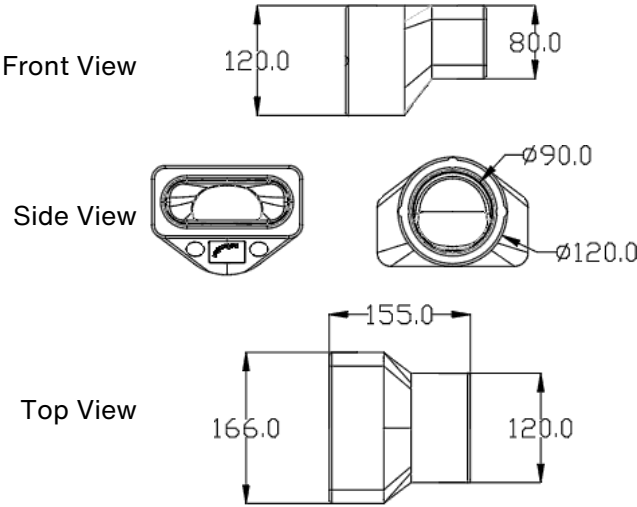
**Converter:**  
Zehnder ComfoTube Therm Flat 51 to Zehnder ComfoTube Therm ø 90 mm convertor. The rigid connector can be used to convert Zehnder ComfoTube Therm Flat 51 to Zehnder ComfoTube Therm ø 90 mm to create an airtight and robust seal using the supplied O-rings. The insulation must be cut straight to ensure no thermal bridging once push fit into the connector.

Technical Specification

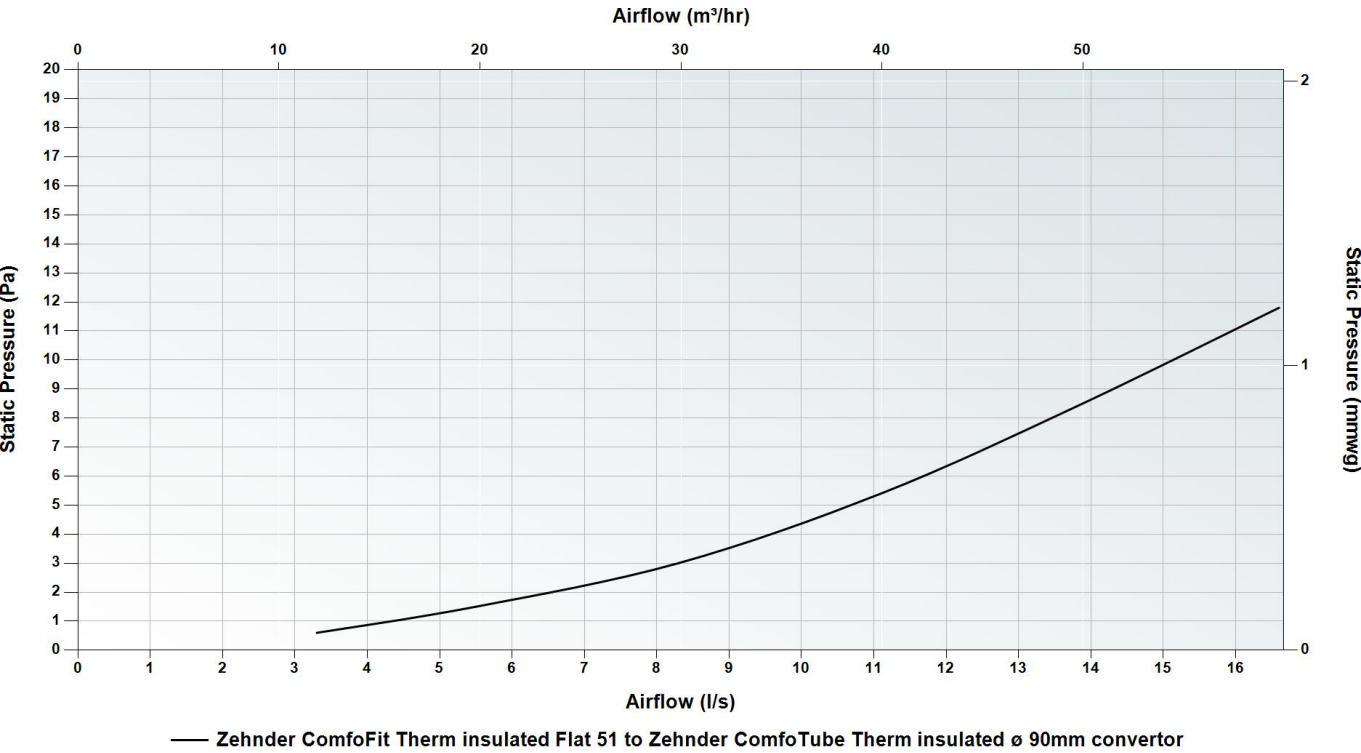
|          |                              |
|----------|------------------------------|
| Height   | 120 mm                       |
| Width    | 166 mm                       |
| Depth    | 155 mm                       |
| Weight   | 0.06 kg                      |
| Material | Expanded polypropylene (EPP) |



Dimensions



Pressure Curve



Zehnder ComfoFit Therm insulated Flat 51 to Zehnder ComfoTube Therm insulated ø 90mm convertor with 90° bend

Article number: 990 430 852

Description

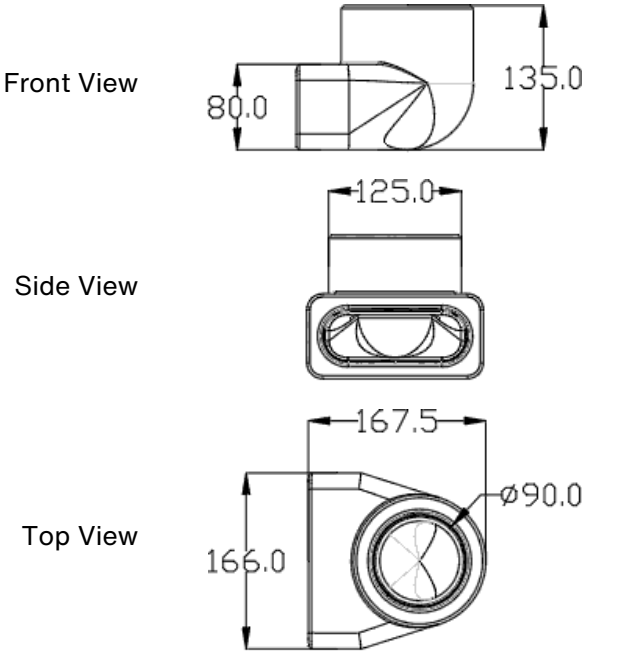
**Converter:**  
Zehnder ComfoTube Therm Flat 51 to Zehnder ComfoTube Therm ø 90 mm, 90° convertor. The rigid bend can be used to convert Zehnder ComfoTube Therm Flat 51 to Zehnder ComfoTube Therm ø 90 mm to create an airtight and robust seal using the supplied O-rings. The insulation must be cut straight to ensure no thermal bridging once push fit into the connector.

Technical Specification

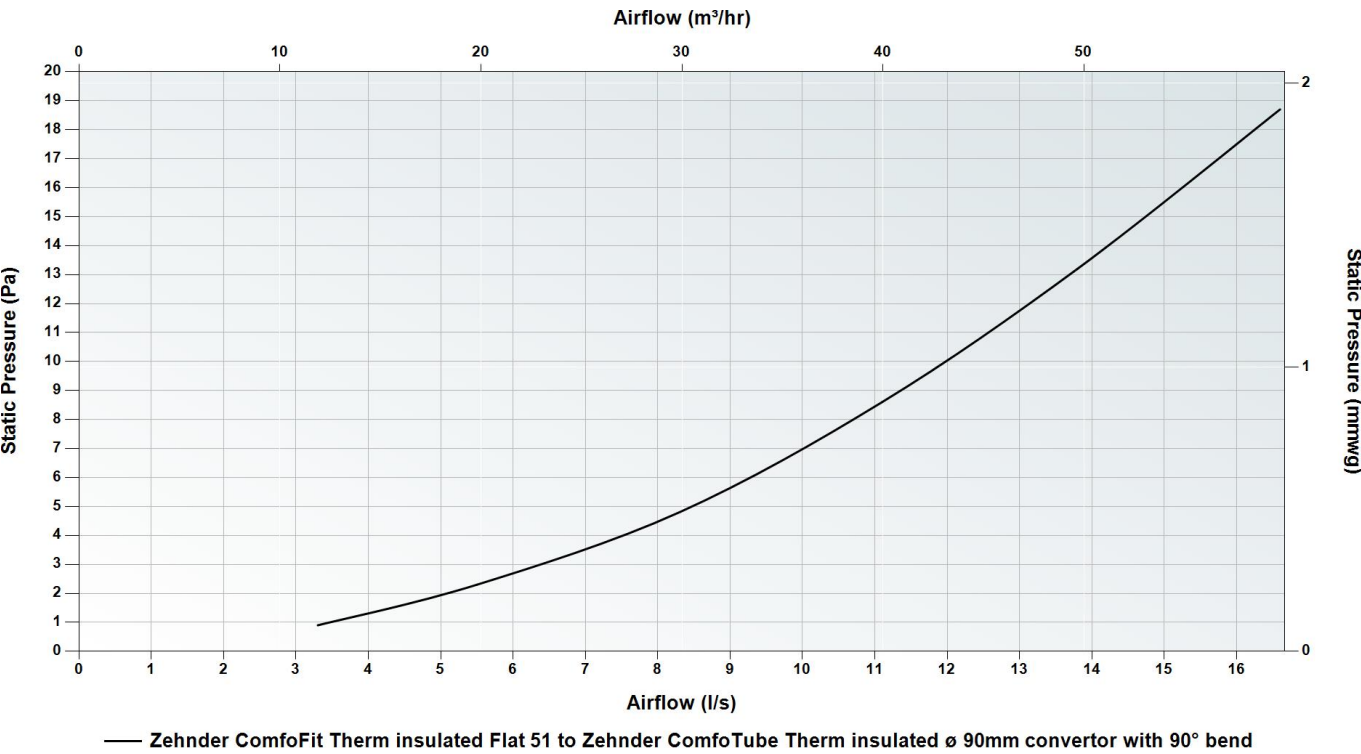
|          |                              |
|----------|------------------------------|
| Height   | 135 mm                       |
| Width    | 166 mm                       |
| Depth    | 167.5 mm                     |
| Weight   | 0.079 kg                     |
| Material | Expanded polypropylene (EPP) |



Dimensions



Pressure Curve





Grille housing CLD-P 90 frontal sleeve, height 115 mm, connects 1 x ø 90 mm Zehnder ComfoTube

Article number: 990 320 845

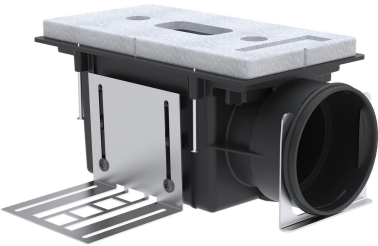
Description

CLD Grille housing:

Rectangular frontal and lateral sleeve entry grille housings. 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 decorative grilles (300 x 200 mm and 260 x 160 mm) can be surface or flush-mounted dependent on preference. A Zehnder ComfoFresh filter can be used to remove particulates.

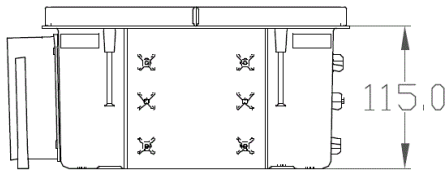
Technical Specification

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

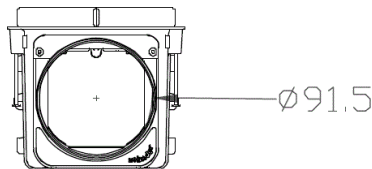


Dimensions

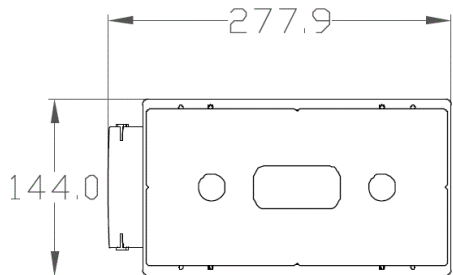
Front View



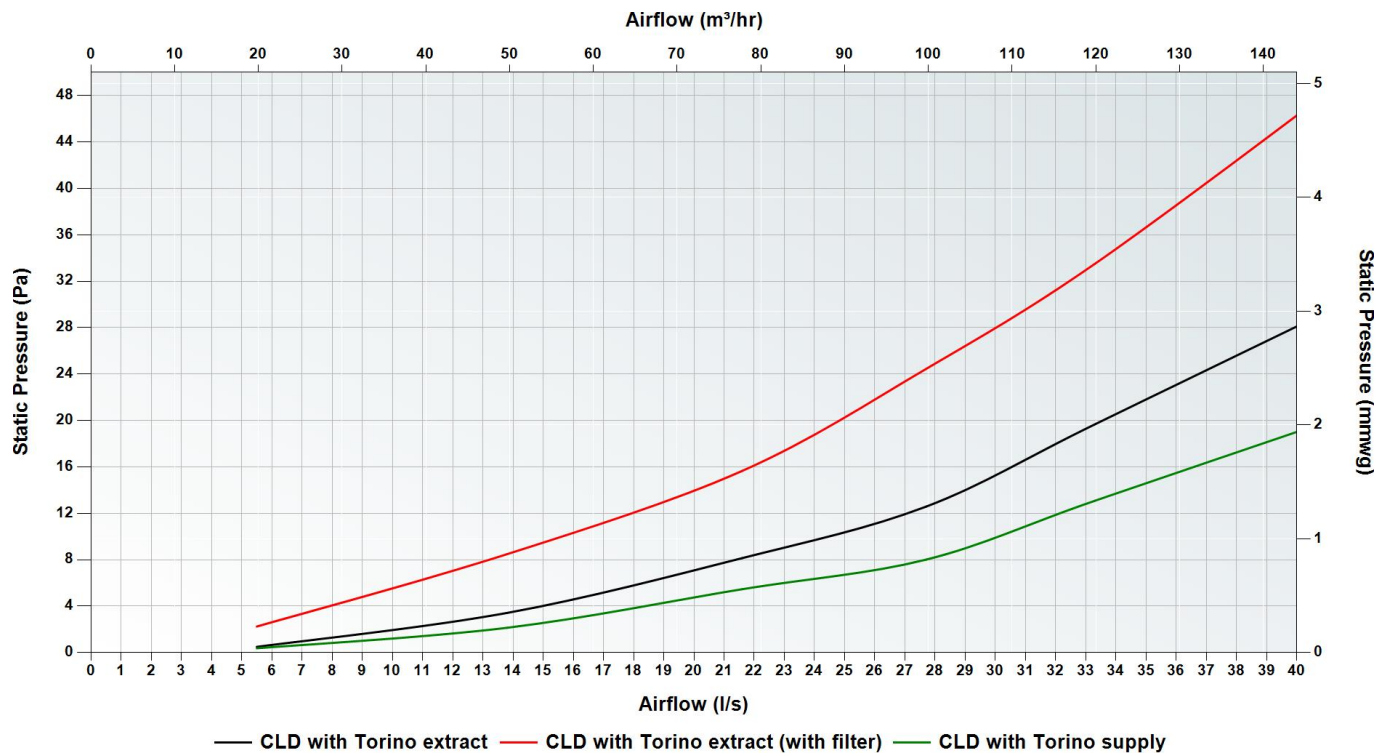
Side View



Top View



Pressure Curve



■ For use with CLD decorative grilles



Grille housing CLD-P 90 lateral sleeve, height 115 mm, connects 1 x ø 90 mm Zehnder ComfoTube

Article number: 990 320 846

Description

CLD Grille housing:

Rectangular frontal and lateral sleeve entry grille housings. 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 decorative grilles (300 x 200 mm and 260 x 160 mm) can be surface or flush-mounted dependent on preference. A Zehnder ComfoFresh filter can be used to remove particulates.

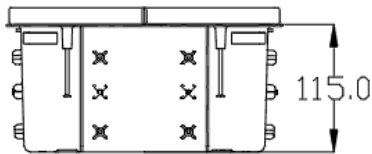
Technical Specification

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

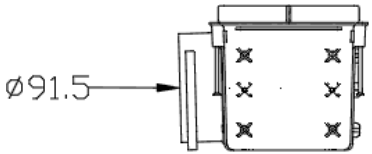


Dimensions

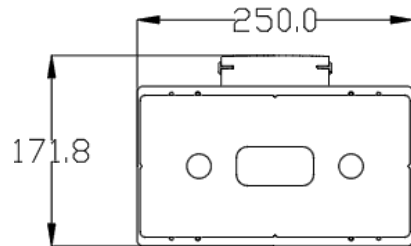
Front View



Side View



Top View



■ For use with CLD decorative grilles

Grille housing CLD-P 90 lateral sleeve, height 140 mm, connects 1 x ø 90 mm Zehnder ComfoTube

Article number: 990 320 852

Description

CLD Grille housing:

Rectangular frontal and lateral sleeve entry grille housings. 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 decorative grilles (300 x 200 mm and 260 x 160 mm) can be surface or flush-mounted dependent on preference. A Zehnder ComfoFresh filter can be used to remove particulates.

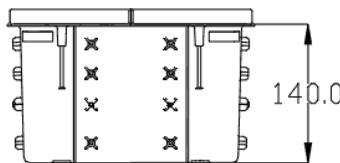
Technical Specification

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

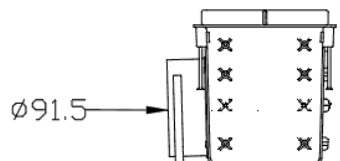


Dimensions

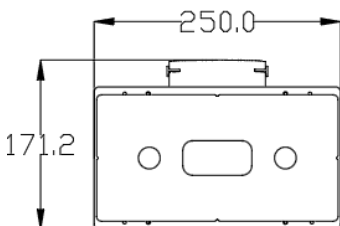
Front View



Side View



Top View



■ For use with CLD decorative grilles

Grille housing TVA-P 90 connects 1 x ø 125 mm valve to 2 x ø 90 mm Zehnder ComfoTube, L300 mm

Article number: 990 320 725

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 160 mm) and circular decorative grilles can be used in addition to any standard ø 125 mm valve. A Zehnder ComfoFresh filter can be used to remove particulates.

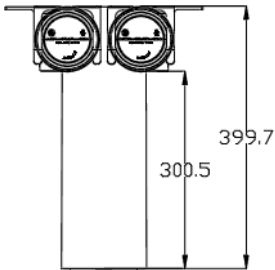
Technical Specification

|               |                                  |
|---------------|----------------------------------|
| Height        | 399.7 mm                         |
| Spigot length | 300.5 mm                         |
| Width         | 302 mm                           |
| Depth         | ~170 mm                          |
| Weight        | 0.716 kg                         |
| Material      | High-density polyethylene (HDPE) |

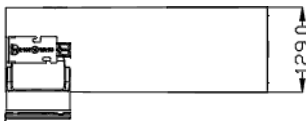


Dimensions

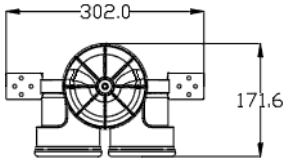
Front View



Side View



Top View



■ For use with TVA decorative grilles, ø 125 mm supply/extract grilles and ComfoValve Luna

Grille housing TVA-P 90 connects 1 x ø 125 mm valve to 1 x ø 90 mm Zehnder ComfoTube, L64 mm

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 depending on the height and comes complete with locking slides. The square (160 x 160 mm) and circular decorative grilles can be used in addition to any standard ø 125 mm valve. A Zehnder ComfoFresh filter can be used to remove particulates.

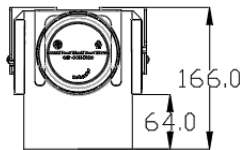
Technical Specification

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

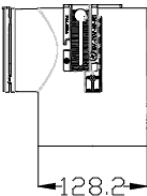


Dimensions

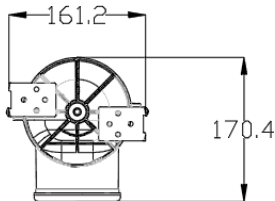
Front View



Side View



Top View



■ For use with TVA decorative grilles, ø 125 mm supply/extract grilles and ComfoValve Luna

Grille housing TVA-P 90 connects 1 x ø 125 mm valve to 1 x ø 90 mm Zehnder ComfoTube, L300 mm

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 160 mm) and circular decorative grilles can be used in addition to any standard ø 125 mm valve. A Zehnder ComfoFresh filter can be used to remove particulates.

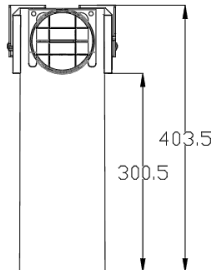
Technical Specification

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

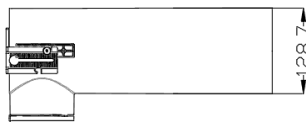


Dimensions

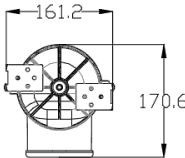
Front View



Side View



Top View



■ For use with TVA decorative grilles, ø 125 mm supply/extract grilles and ComfoValve Luna

Rectangular grille housing CSB-P 400 connects 1 x Lamina/Bilamina/ComfoGrid 400 to 1 x ø 90 mm, 2 x ø 75 mm Zehnder ComfoTube

Article number: 990 321 745

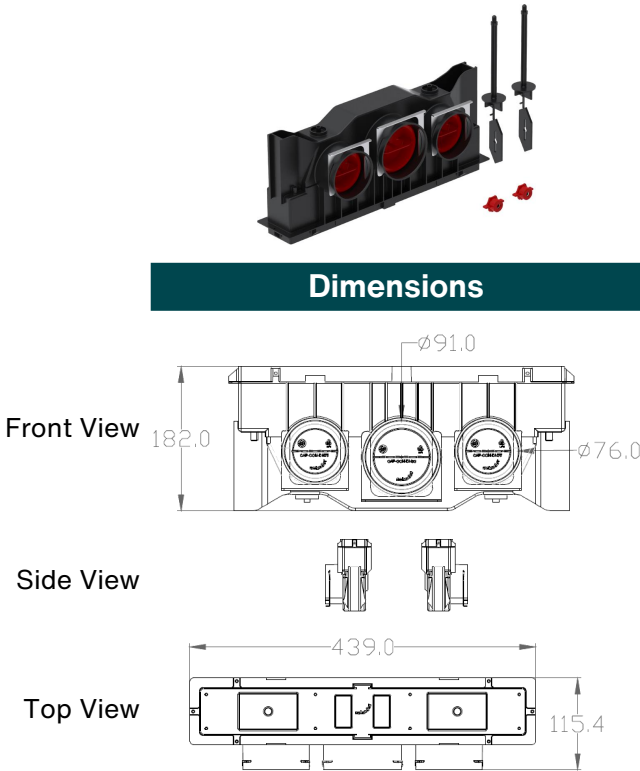
Description

Lamina/Bilamina/ComfoGrid Linea 400 slot diffuser housing Rectangular lateral sleeve entry grille housing. The cleanable rectangular slot diffuser housing is suitable for installation in all types of wall/ceiling, including within concrete, depending on the height, and comes complete with locking slides and end caps. For use with 988 321 646 fixing bracket for mounting within wall/ceiling void to also enable height adjustment from 182 mm to 281 mm. The rectangular lamina / bilamina slot diffuser can be used when used with the 20/40 mm extension pins (990 320 687 / 990 320 688) and offer adjustable directional air supply. Can be used with the 990 322 010 90 mm to 75 mm reducer to convert to a 3 port 75 mm housing. The ComfoGrid Linea 400 range of slot diffusers can also be used without the need for the extension pins.

Technical Specification

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

■ For use with Lamina/Bilamina/ComfoGrid Linea 400 slot diffusers



Rectangular grille housing CSB-P 600 connects 1 x Lamina/Bilamina/ComfoGrid 600 to 1 x ø 110 mm, 2 x ø 90 mm Zehnder ComfoTube

Article number: 990 321 746

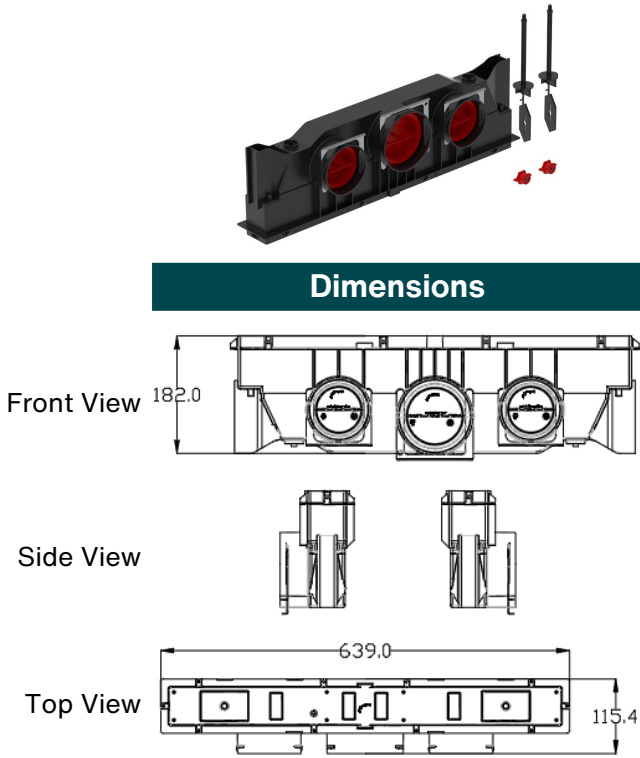
Description

Lamina/Bilamina/ComfoGrid Linea 600 slot diffuser housing Rectangular lateral sleeve entry grille housing. The cleanable rectangular slot diffuser housing is suitable for installation in all types of wall/ceiling, including within concrete, depending on the height, and comes complete with locking slides and end caps. For use with 988 321 646 fixing bracket for mounting within wall/ceiling void to also enable height adjustment from 182 mm to 281 mm. The rectangular lamina / bilamina slot diffuser can be used when used with the 20/40 mm extension pins (990 320 687 / 990 320 688) and offer adjustable directional air supply. Can be used with the 90 mm to 75 mm reducer (990 322 010 ) to convert to a 2 port 75 mm housing. The ComfoGrid Linea 600 range of slot diffusers can also be used without the need for the extension pins.

Technical Specification

|          |                                  |
|----------|----------------------------------|
| Height   | 182 mm                           |
| Width    | 639 mm                           |
| Depth    | 115.4 mm                         |
| Weight   | 1.12 kg                          |
| Material | High-density polyethylene (HDPE) |

■ For use with Lamina/Bilamina/ComfoGrid Linea 600 slot diffusers



Renoventil housing, for ø 90 mm, length 400 mm

Article number: 990 320 062

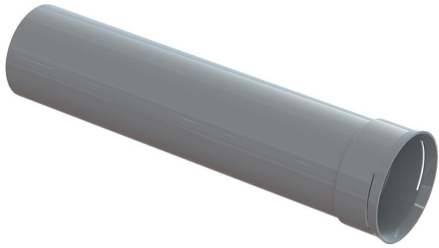
Description

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.

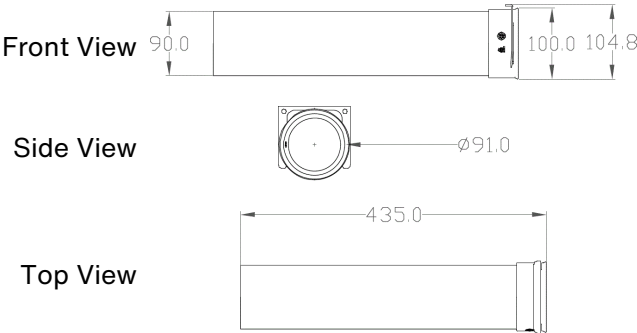
Technical Specification

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

■ For use with Renoventil supply/extract grilles



Dimensions



Zehnder ComfoTube ø 90 mm, adjustable airflow regulator, 30 mm length

Article number: 988 320 031

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   | 30 mm         |
| Diameter | 74 mm         |
| Weight   | <0.06 kg      |
| Material | Polypropylene |



Zehnder ComfoTube ø 90 mm, adjustable airflow regulator, 75 mm length

Article number: 990 320 027

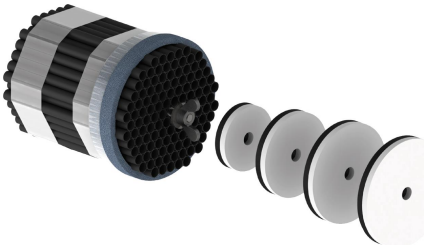
Description

Airflow regulator:

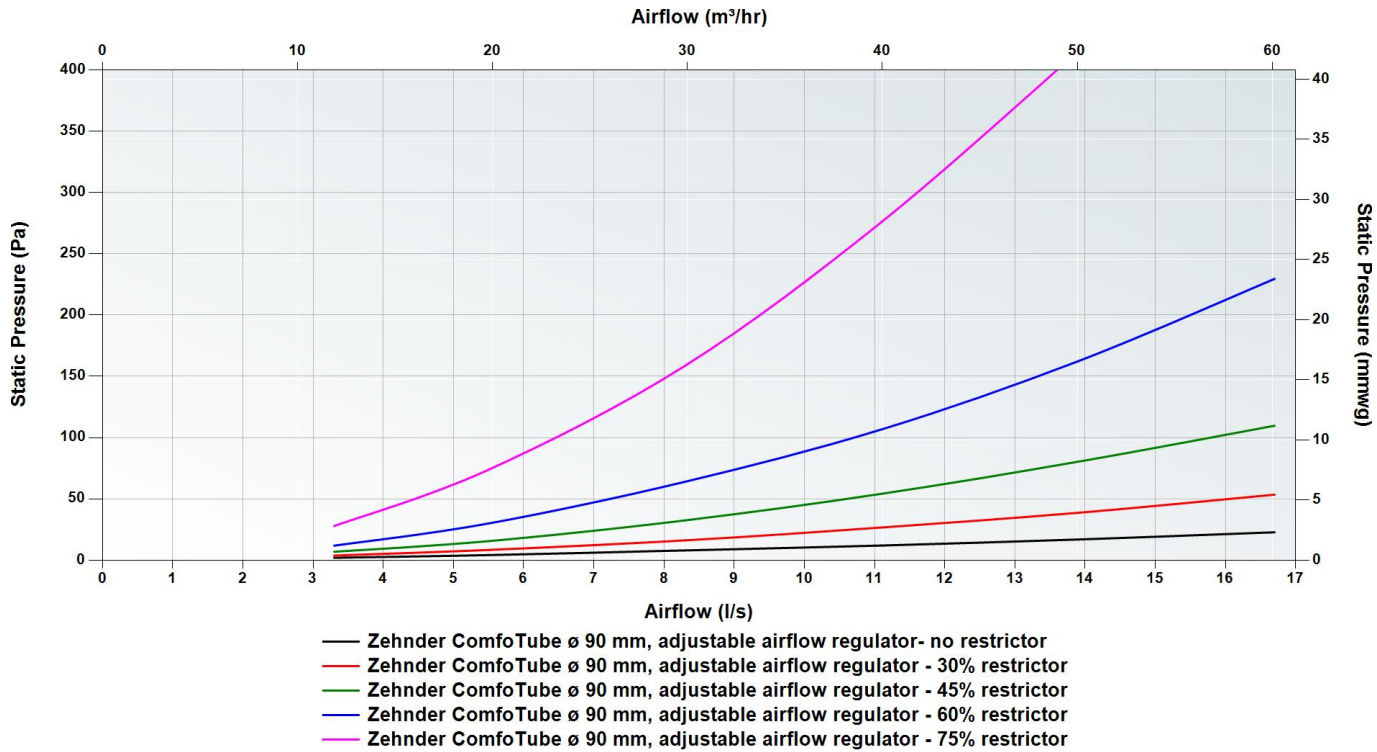
Zehnder ComfoTube adjustable airflow regulator. The airflow regulator has 5 different restriction settings to reduce the air volume silently. The airflow regulator can be used at the manifold box or at the grille housing by inserting it into the ComfoTube ductwork.

Technical Specification

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



Pressure Curve



Filter for ø 125 mm extract air valve, ISO Coarse (G3), 10 Pieces

Article number: 990 320 032

Description

Grille housing filter:

Zehnder ComfoFresh filter for ø 125 mm TVA 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

|              |                 |
|--------------|-----------------|
| Length       | 165 mm          |
| Diameter     | 125 mm          |
| Height       | 9 mm            |
| Filter grade | ISO Coarse (G3) |
| Weight       | <0.018 kg each  |
| Material     | Polyester       |

■ For use with Square or circular decorative grilles, ø 125 mm supply/extract grilles and ComfoValve Luna valves



Filter for rectangular grille housing CSB-P 400, ISO Coarse (G3), 10 Pieces

Article number: 990 321 768

Description

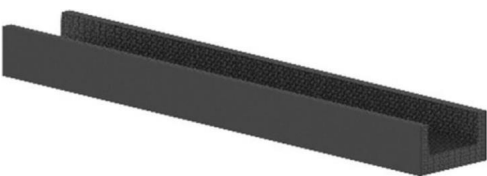
Grille housing filter:

Zehnder ComfoFresh filter for CSB-P 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

|              |                 |
|--------------|-----------------|
| Height       | 32 mm           |
| Width        | 342 mm          |
| Depth        | 55 mm           |
| Filter grade | ISO Coarse (G3) |
| Weight       | <0.038 kg each  |
| Material     | Polyester       |

■ For use with ComfoGrid Linea 400 slot diffusers



Filter for CLD housing, ISO Coarse (G3), 10 Pieces

Article number: 990 320 573

Description

Grille housing filter:

Zehnder ComfoFresh filter for ø 125 mm 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

|              |                 |
|--------------|-----------------|
| Height       | 9 mm            |
| Width        | 113 mm          |
| Depth        | 174 mm          |
| Filter grade | ISO Coarse (G3) |
| Weight       | <0.018 kg each  |
| Material     | Polyester       |

■ For use with Rectangular decorative grilles for CLD 260 x 160 mm and 300 x 200 mm



Filter for rectangular grille housing CSB-P 600, ISO Coarse (G3), 10 Pieces

Article number: 990 321 769

Description

Grille housing filter:

Zehnder ComfoFresh filter for CSB-P 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

|              |                 |
|--------------|-----------------|
| Height       | 32 mm           |
| Width        | 542 mm          |
| Depth        | 55 mm           |
| Filter grade | ISO Coarse (G3) |
| Weight       | <0.052 kg each  |
| Material     | Polyester       |

■ For use with ComfoGrid Linea 600 slot diffusers



Zehnder ComfoTube ø 90 mm, manifold/grille housing spigot reducer, ø 90 mm to ø 75 mm

Article number: 990 322 010

Description

**Converter:**  
Zehnder ComfoTube ø 90 mm to Zehnder ComfoTube ø 75 mm convertor. The rigid connector can be placed into a Zehnder ComfoTube ø 90 mm manifold or grille housing spigot to convert it to Zehnder ComfoTube ø 75 mm and comes complete with O-rings and RapidLock® connections to quickly form an air tight and robust seal by simply push-fitting the semi-rigid ductwork. Ideal for use with the CSB-P to convert 90 mm spigots for use with 75 mm ductwork.

Technical Specification

|          |                                  |
|----------|----------------------------------|
| Length   | 50 mm                            |
| Diameter | 90.1 mm                          |
| Weight   | 0.12 kg                          |
| Material | High-density polyethylene (HDPE) |



Zehnder ComfoTube ø 90mm, RapidLock slides, 10 pieces

Article number: 990 326 059

Description

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

Technical Specification

|          |                                       |
|----------|---------------------------------------|
| Weight   | 0.014 kg (each)                       |
| Material | Acrylonitrile butadiene styrene (ABS) |



■ For use with Zehnder ComfoTube ø 90 mm RapidLock ComfoWell / Grille housings

Zehnder ComfoTube ø 90 mm, locking slides, 10 pieces

Article number: 990 326 025

Description

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

Technical Specification

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



■ For use with Zehnder ComfoTube ø 90 mm ComfoWell / Grille housings

990 326 127

Article number: 990 326 127

Description

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

Technical Specification

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



■ For use with TVA-P L64 mm versions

Fixing bracket for CSB-P 400/600 grille housing, 2 pieces

Article number: 988 321 646

Description

Fixing bracket:

Zehnder Fixing bracket for CSB-P 400/600 grille housing. The fixing bracket is mounted to either side of the CSB-P to enable secure fixing to the wall or floor and comes complete with screws to fix to the CSB-P. These are not supplied as standard with the CSB-P.

Technical Specification

|          |                  |
|----------|------------------|
| Height   | 163.5 mm         |
| Width    | 110.5 mm         |
| Depth    | 54 mm            |
| Weight   | 0.08 kg (each)   |
| Material | Galvanised steel |



Zehnder ComfoTube ø 110 mm, end caps, 2 pieces

Article number: 990 328 264

Description

End caps:

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

Technical Specification

|                           |                             |
|---------------------------|-----------------------------|
| Length                    | 55.3 mm                     |
| Diameter                  | 102 mm                      |
| Weight                    | 0.05 kg (each)              |
| Material                  | Medium-density polyethylene |
| Recycled material content | 100%                        |



Zehnder ComfoTube ø 90 mm, end caps, 10 pieces

Article number: 990 328 263

Description

End caps:

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

Technical Specification

|                           |                             |
|---------------------------|-----------------------------|
| Length                    | 53.3 mm                     |
| Diameter                  | 82 mm                       |
| Weight                    | 0.031 kg (each)             |
| Material                  | Medium-density polyethylene |
| Recycled material content | 100%                        |



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

Article number: 990 328 363

Description

O-ring:

Zehnder ComfoTube O-ring seal. The lubricated 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 | 98 mm                                   |
| Inside diameter  | 75 mm                                   |
| Weight           | 0.009 kg each                           |
| Material         | EPDM (Ethylene Propylene Diene Monomer) |



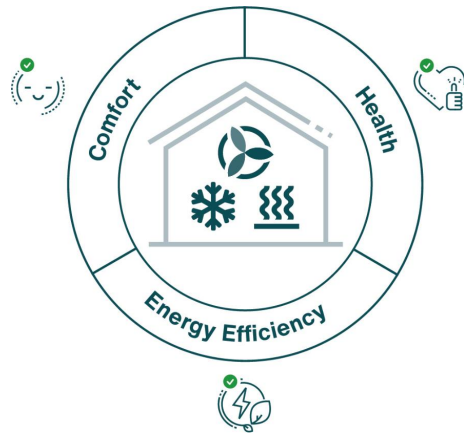
## Thermal Shield

- With ThermalShield by Zehnder you establish a fast reacting system providing freshness in the summer and warmth in the winter.
- Our new air distribution components with ThermalShield help reduce temperature loss when transporting tempered air and enables
- By using ThermalShield you support the climate system solution in your home to create a comfortable and healthy indoor climate



## For use with

The Zehnder ComfoTube Therm 90 mm insulated ventilation tube impresses with optimum sound and heat insulation properties for the perfect feel-good climate at home. This makes the ComfoTube Therm the ideal solution for the condensation-free transport of warm and cold air. Thanks to high-quality insulation, the temperature-controlled air is passed through the ventilation tube with almost no temperature loss, so that living spaces can be supplied tempered or supplementary heated as required in an energy-efficient manner. The ideal devices to provide the tempered or heated supply air are the ComfoPost and ComfoClima units from Zehnder.



TO VIEW OUR COOLING AND HEATING UNITS

[CLICK HERE](#)

## BIM/CAD Components

If you would like to download the BIM / CAD files for this or any other of our products then please visit our BIM library.

TO VISIT OUR BIM/CAD LIBRARY

[CLICK HERE](#)

## Installation Instructions

If you would like to download the installation files for this or any other of our products then please visit our download page by clicking the link below.

TO VISIT OUR DOWNLOAD PAGE

[CLICK HERE](#)

## Consultant Specification

### Specification

The insulated semi-rigid ductwork shall be dual wall constructed of high-quality food-grade polyethylene (PE) with cellular rubber insulation to provide a thermal conductivity of at least 0.035 W/mK. It shall have a crush resistant ring stiffness of 7.9 kN/m<sup>2</sup> and be suitable for installation into concrete with a fire rating in accordance with [EN 13501-1](#) of E. It shall have an operating temperature range of -25 to +60°C and not be designed to exceed flowrates of 13.8 l/s.

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

The ductwork shall be manufactured by Zehnder.