

Zehnder ComfoPipe Plus

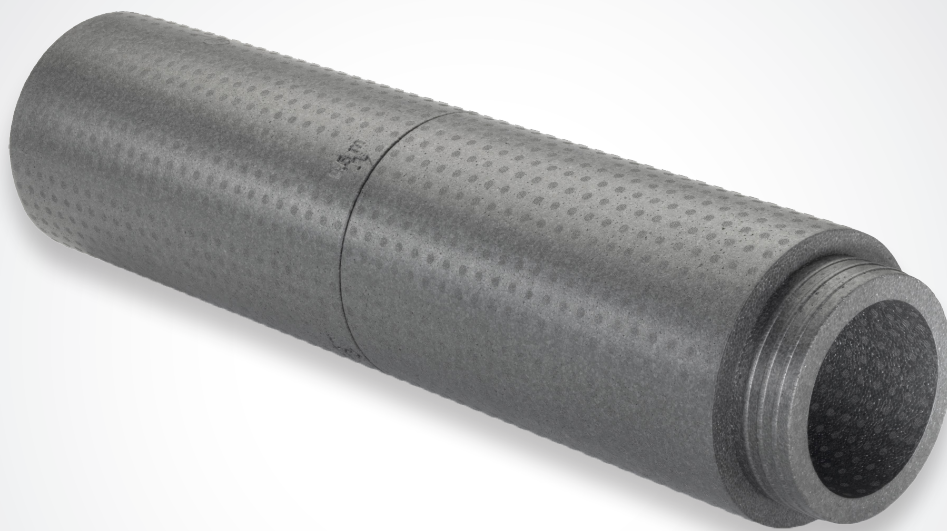
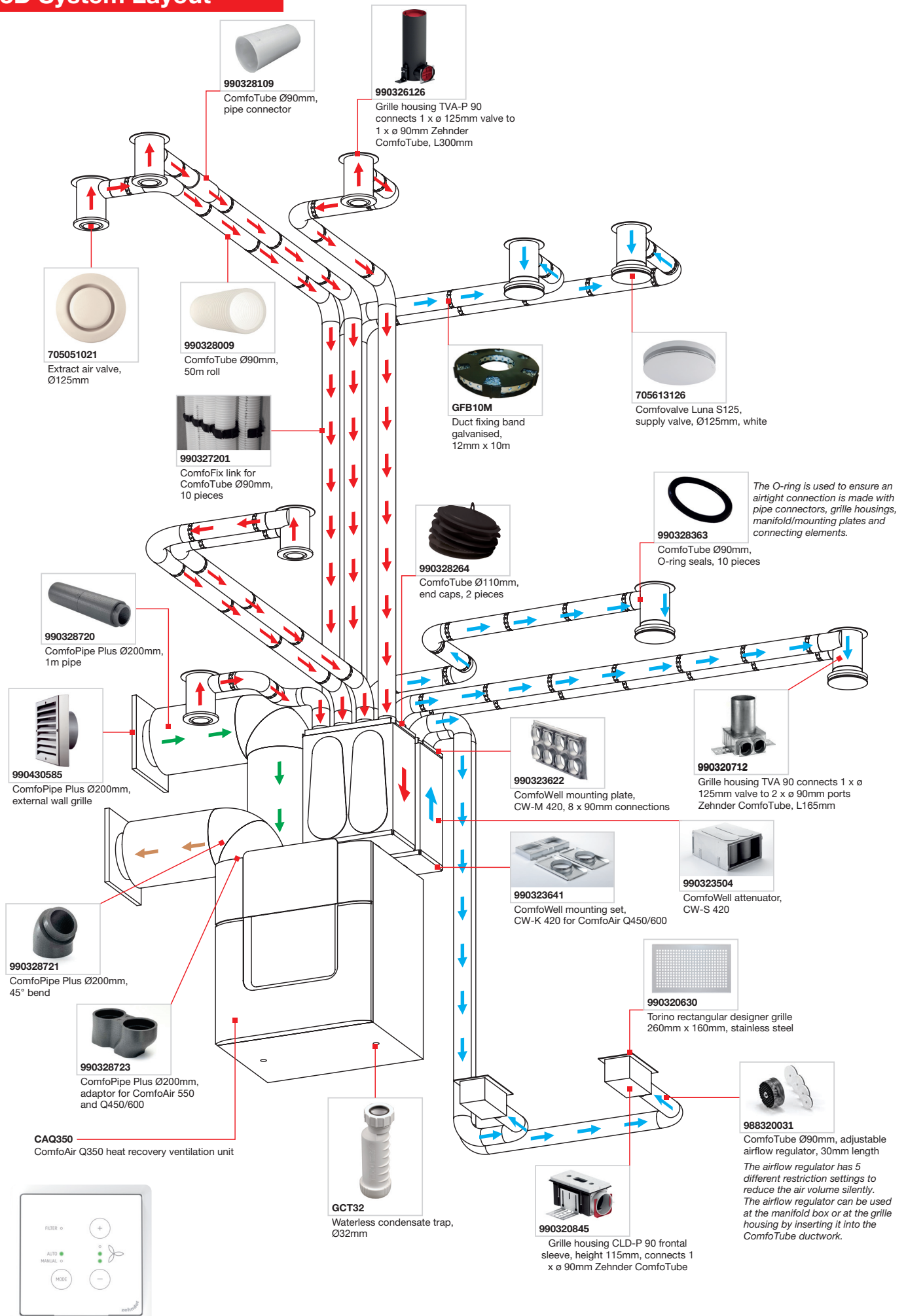


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3D System Layout



ComfoPipe Plus 160mm

The Zehnder ComfoPipe Plus ø 160mm self-seal insulated ducting is perfect for exceeding Building Regulations for insulation whilst minimising air leakage making it ideal for premium self build projects or PassivHaus developments. The lightweight and robust ductwork along with the self-seal connection mean this can be installed much faster than conventional rockwool insulation.

The thermal bridge free connections eliminate the need for tape, sealant and screws and also meets the requirements set out in DIN 1946-6 with a much thinner wall thickness (43mm reduced from 60mm).

Key Features

- Easy and quick to install
- Airtight
- Exceeds Building Regulations
- Perfect for premium self-build or PassivHaus developments
- Simple push fit connection
- Lightweight and easy to handle
- No sealant or tape required
- Minimal components to simplify installation

Article Numbers

Description	Product Code
Ductwork	
Zehnder ComfoPipe Plus ø 160mm, 1m duct	990 328 700
Zehnder ComfoPipe Plus ø 160mm, 45° bend	990 328 701
Zehnder ComfoPipe Plus ø 160mm, duct connector	990 328 702
Zehnder ComfoPipe Plus ø 160mm, external wall grille	990 430 584

Technical Specification

Material	Expanded Polypropylene (EPP)
Operating temperature range	-25 to +80 °C
Free area	20,106 mm ²
Thermal conductivity	0.035 W/mk
Thickness	43mm
Thermal Resistance	1.229 m ² K/W
Fire Rating in accordance with DIN 4102-1	B2
Meets DIN 1946-6	Yes

Zehnder ComfoPipe Plus ø 160mm

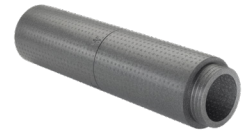
Article number: 990 328 700

Description

Insulated Duct:

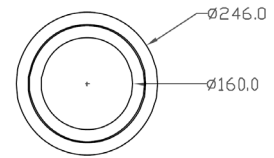
Insulated duct available in 1m lengths.

Each length comes complete with a premoulded single male duct to duct connector to fit into the next straight length of duct or a 45° bend.

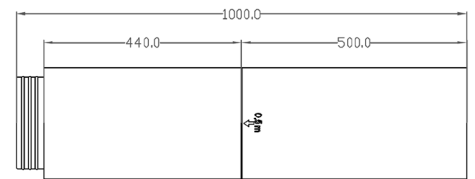


Dimensions

Side view



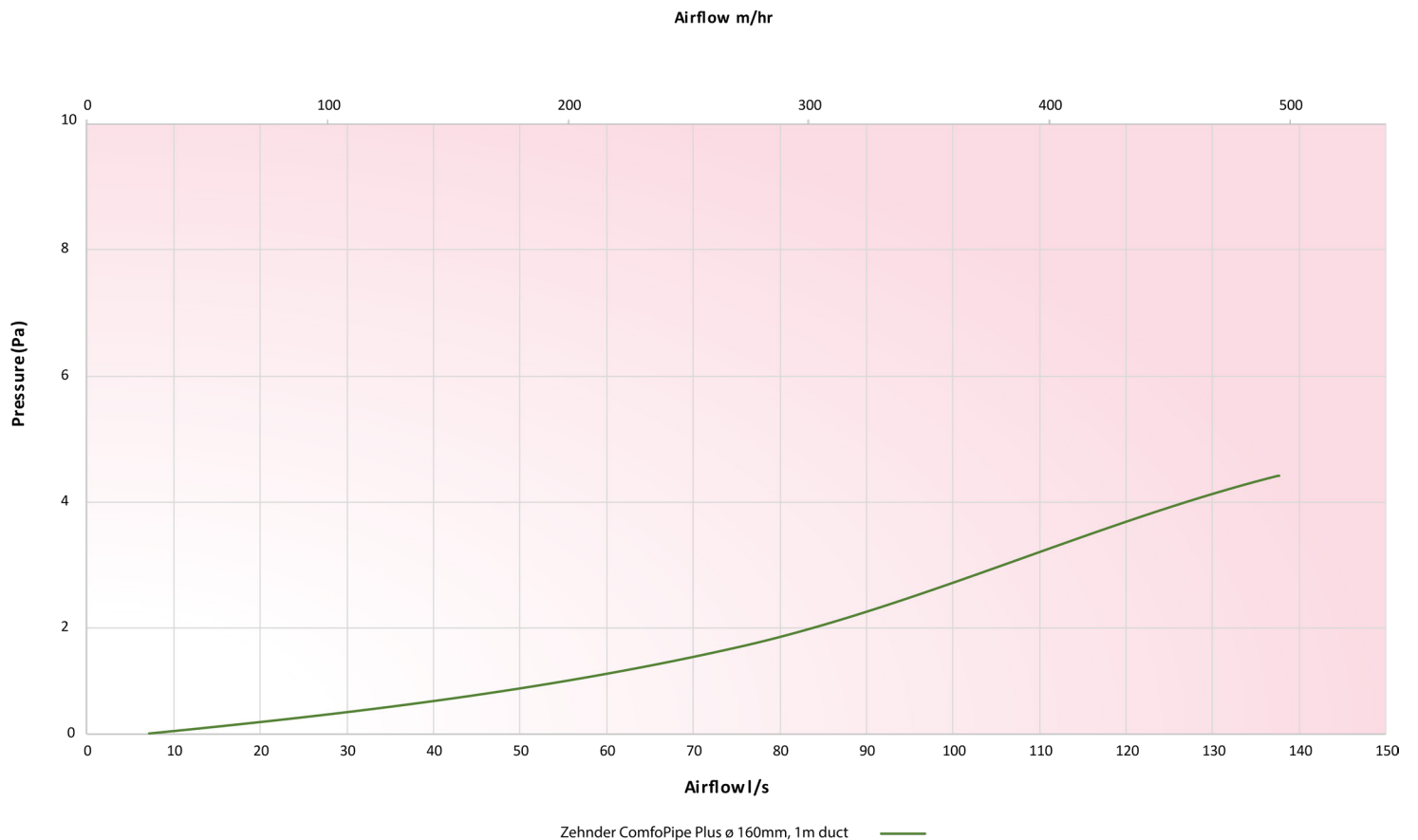
Top View



Technical Specification

Outside diameter	246mm
Inside diameter	160mm
Length	1000m
Weight	1082g

Pressure Curve



Zehnder ComfoPipe Plus ø 160mm 90° Bend / 45° Bend

Article number: 2 x 990 328 701 combined / 990 328 701

Description

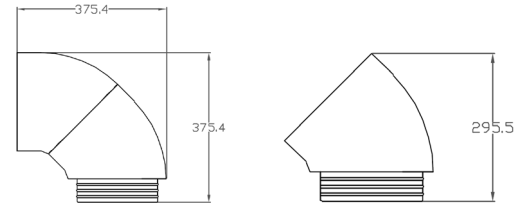
Insulated bend:

Insulated bend available in 45°, two can be combined to form 90°. Each bend comes complete with a premoulded single male connector to securely connect to a straight length of insulated duct or another 45° bend.



Dimensions

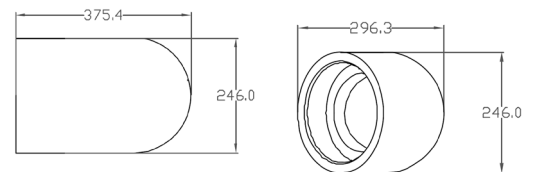
Front view
90°/45°



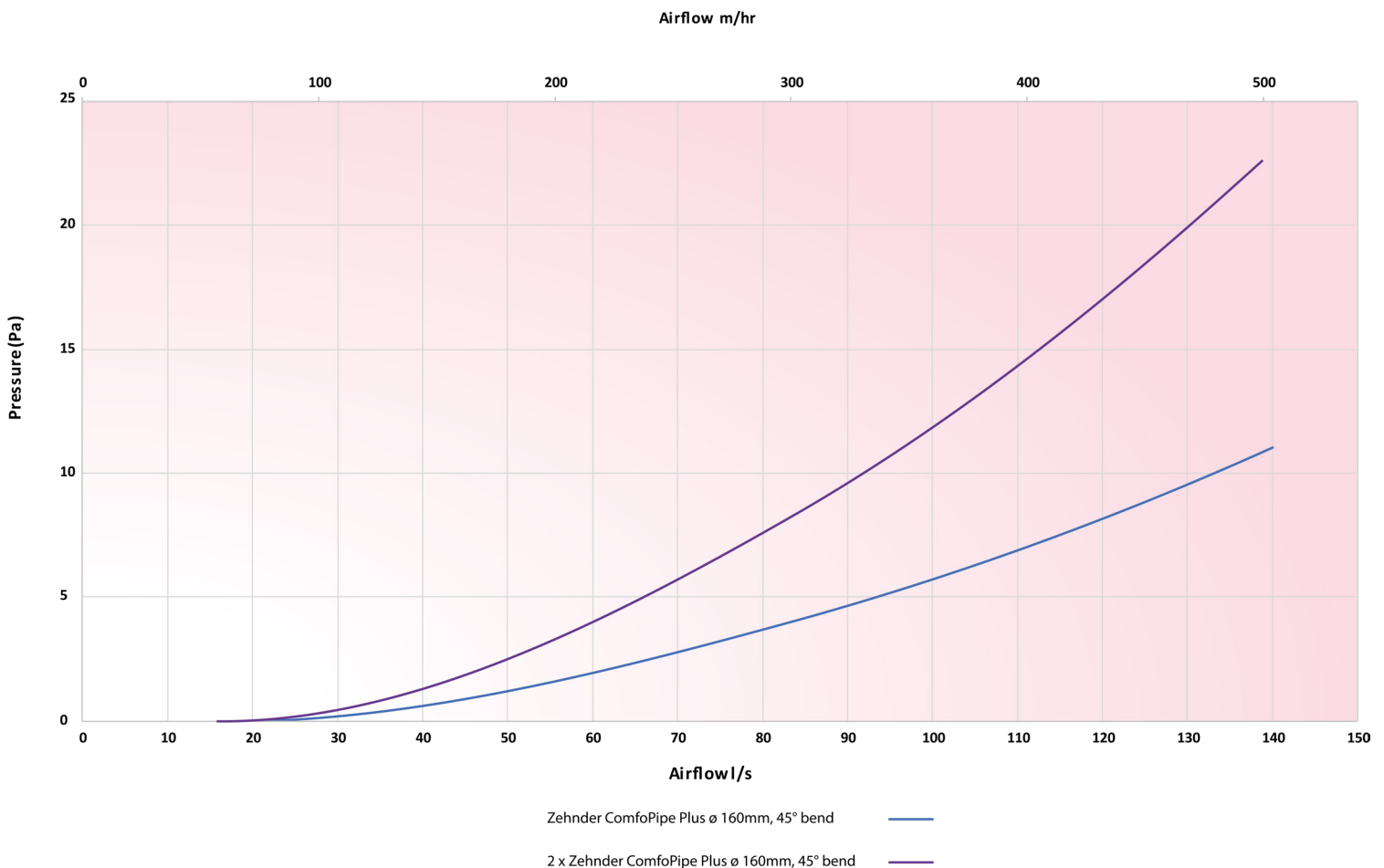
Technical Specification

Angle	90° / 45°
Height	375.4mm / 295.5mm
Width	375.4mm / 296.3mm
Depth	246mm
Weight	410g / 205g

Top View
90°/45°



Pressure Curve



Zehnder ComfoPipe Plus $\varnothing$ 160mm, duct connector

Article number: 990 328 702

Description

Coupling:

Coupling for insulated duct system to securely connect a cut length of ductwork to another straight length of insulated duct or another 45° bend.

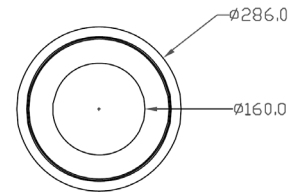
Technical Specification

Length	140mm
Diameter	286mm
Weight	110g

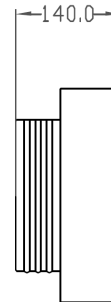


Dimensions

Side view



Top View



Zehnder ComfoPipe Plus ø 160mm, external wall grille

Article number: 990 430 584

Description

Termination

Termination for insulated duct system to securely connect to a straight length of insulated duct. Fly mesh included.

Technical Specification

Height	280.8mm
Width	279.7mm
Depth	72.9mm
Weight	1.39kg
Material	Galvanized steel
Free area	50,124 mm ²
Core drill diameter	250mm

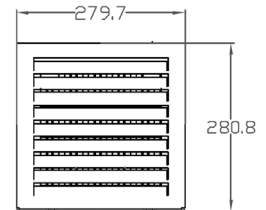


Dimensions

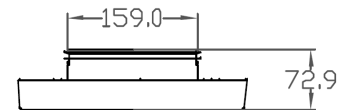
Side view



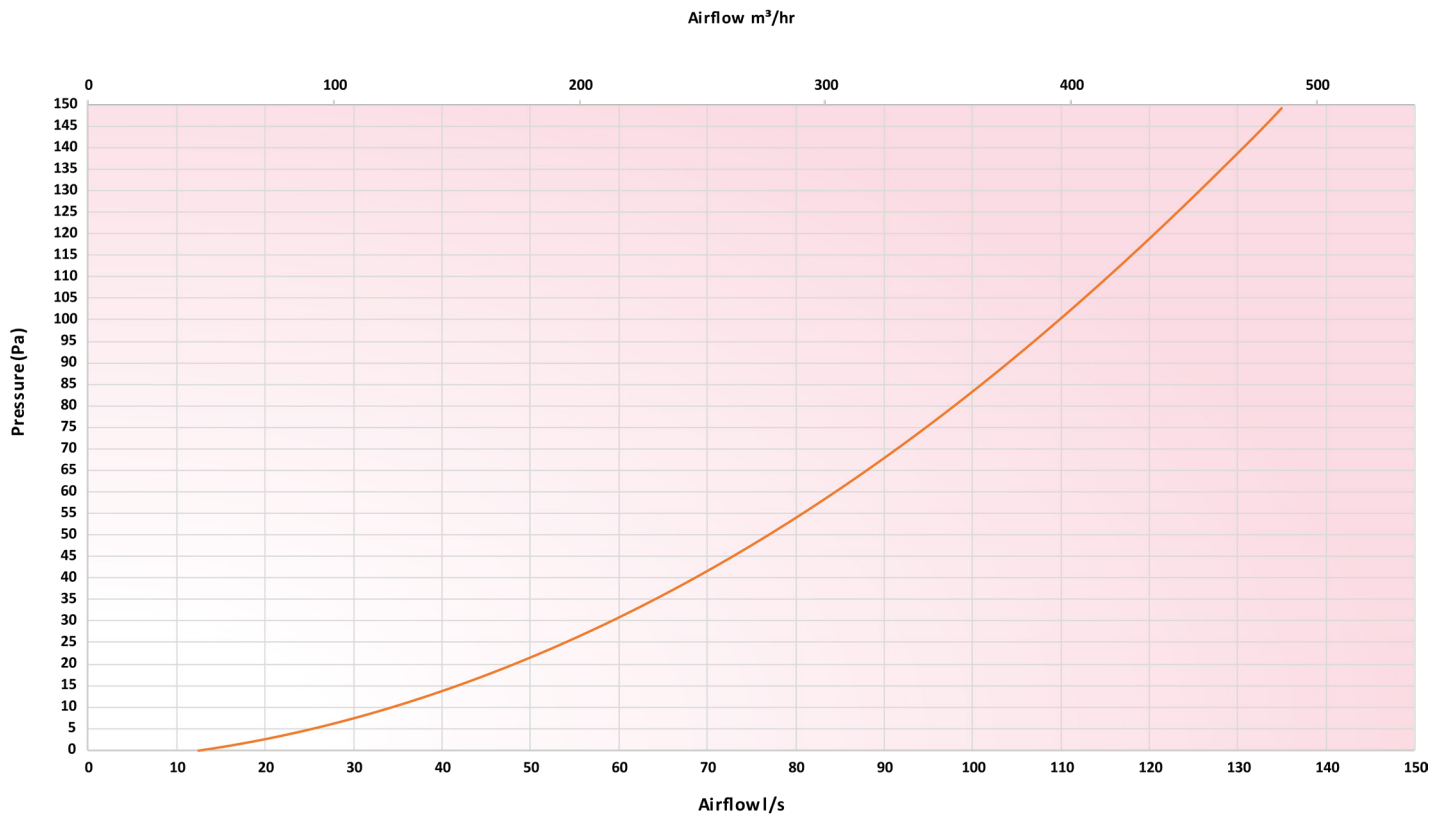
Front View



Top View



Pressure Curve



Zehnder ComfoPipe Plus ø 160mm, external wall grille

ComfoPipe Plus 200mm

The Zehnder ComfoPipe Plus ø 200mm self-seal insulated ducting is perfect for exceeding Building Regulations for insulation whilst minimising air leakage making it ideal for premium self build projects or PassivHaus developments. The lightweight and robust ductwork along with the self-seal connection mean this can be installed much faster than conventional rockwool insulation.

The thermal bridge free connections eliminate the need for tape, sealant and screws and also meets the requirements set out in DIN 1946-6 with a much thinner wall thickness (43mm reduced from 60mm).

Key Features

- Easy and quick to install
- Airtight
- Exceeds Building Regulations
- Perfect for premium self-build or PassivHaus developments
- Simple push fit connection
- Lightweight and easy to handle
- No sealant or tape required
- Minimal components to simplify installation

Article Numbers

Description	Product Code
Ductwork	
Zehnder ComfoPipe Plus ø 200mm, 1m duct	990 328 720
Zehnder ComfoPipe Plus ø 200mm, 45° bend	990 328 721
Zehnder ComfoPipe Plus ø 200mm, duct connector	990 328 722
Zehnder ComfoPipe Plus ø 200mm, adaptor for Zehnder ComfoAir 550 and Q450/600	990 328 723
Zehnder ComfoPipe Plus ø 200mm, external wall grille	990 430 585

Technical Specification

Material	Expanded Polypropylene (EPP)
Operating temperature range	-25 to +80 °C
Free area	31,416 mm ²
Thermal conductivity	0.035 W/mk
Thickness	43mm
Thermal Resistance	1.229 m ² K/W
Fire Rating in accordance with DIN 4102-1	B2
Meets DIN 1946-6	Yes

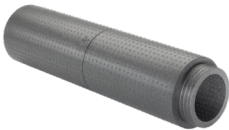
Zehnder ComfoPipe Plus ø 200mm

Article number: 990 328 720

Description

Insulated Duct:

Insulated duct available in 1m lengths. Each length comes complete with a premoulded single male duct to duct connector to fit into the next straight length of duct or a 45° bend.

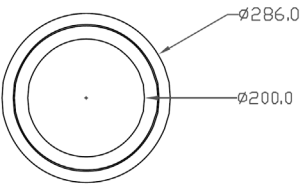


Technical Specification

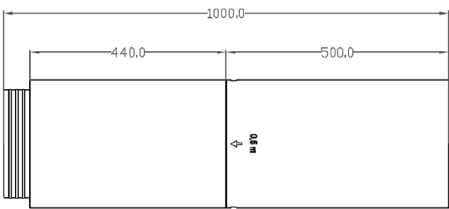
Outside diameter	286mm
Inside diameter	200mm
Length	1000mm
Weight	1313g

Dimensions

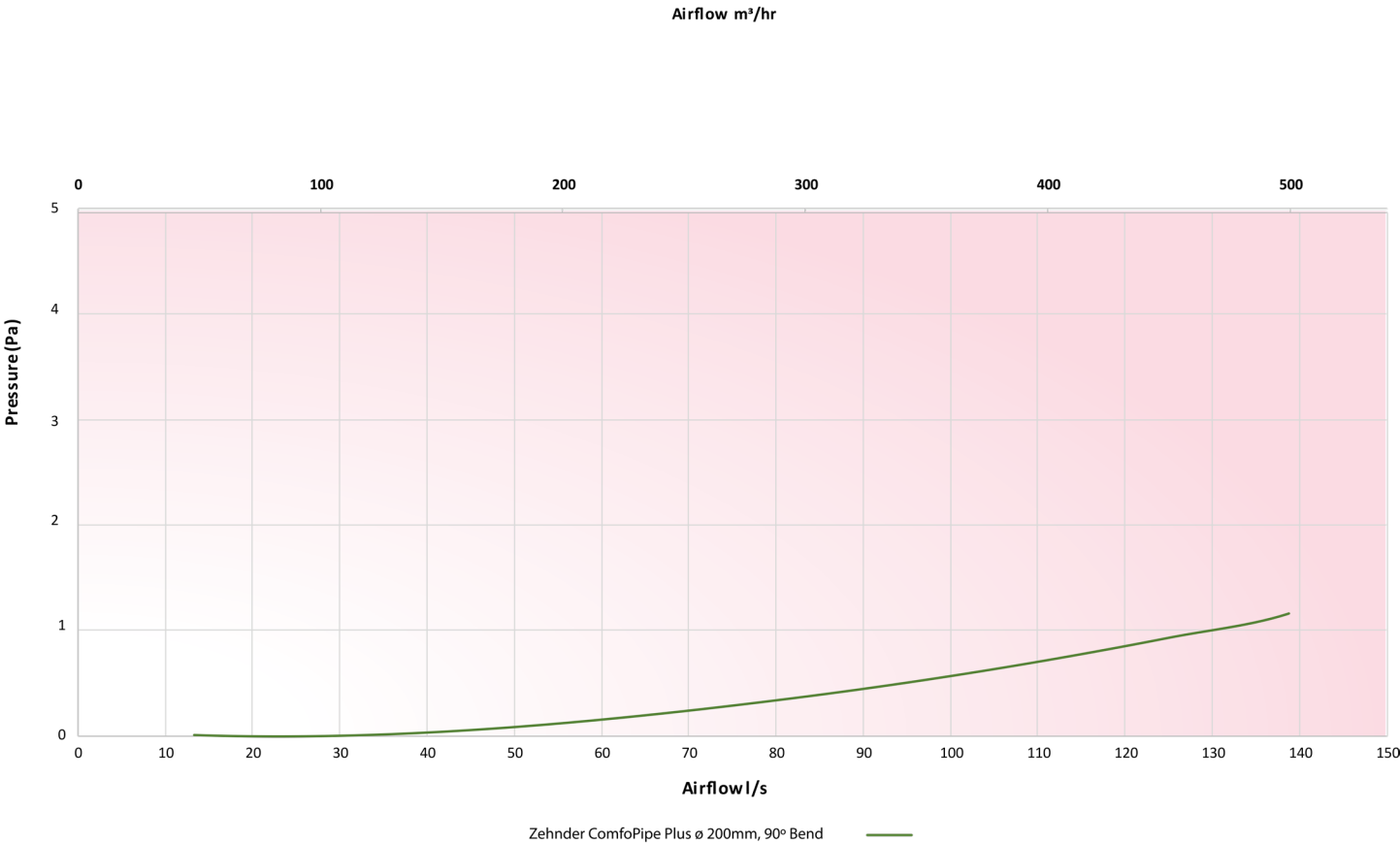
Side view



Top View



Pressure Curve



Zehnder ComfoPipe Plus ø 200mm 90° / 45° Bend

Article number: 2 x 990 328 721 combined / 99 328 721

Description

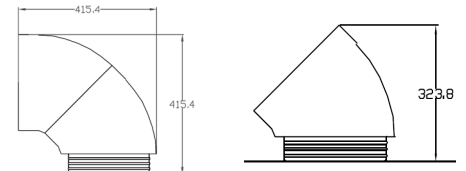
Insulated Bend:

Insulated bend available in 45°, two can be combined to form 90°. Each bend comes complete with a premoulded single male connector to securely connect to a straight length of insulated duct or another 45° bend.

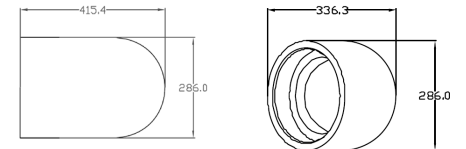


Dimensions

Front view



Top View

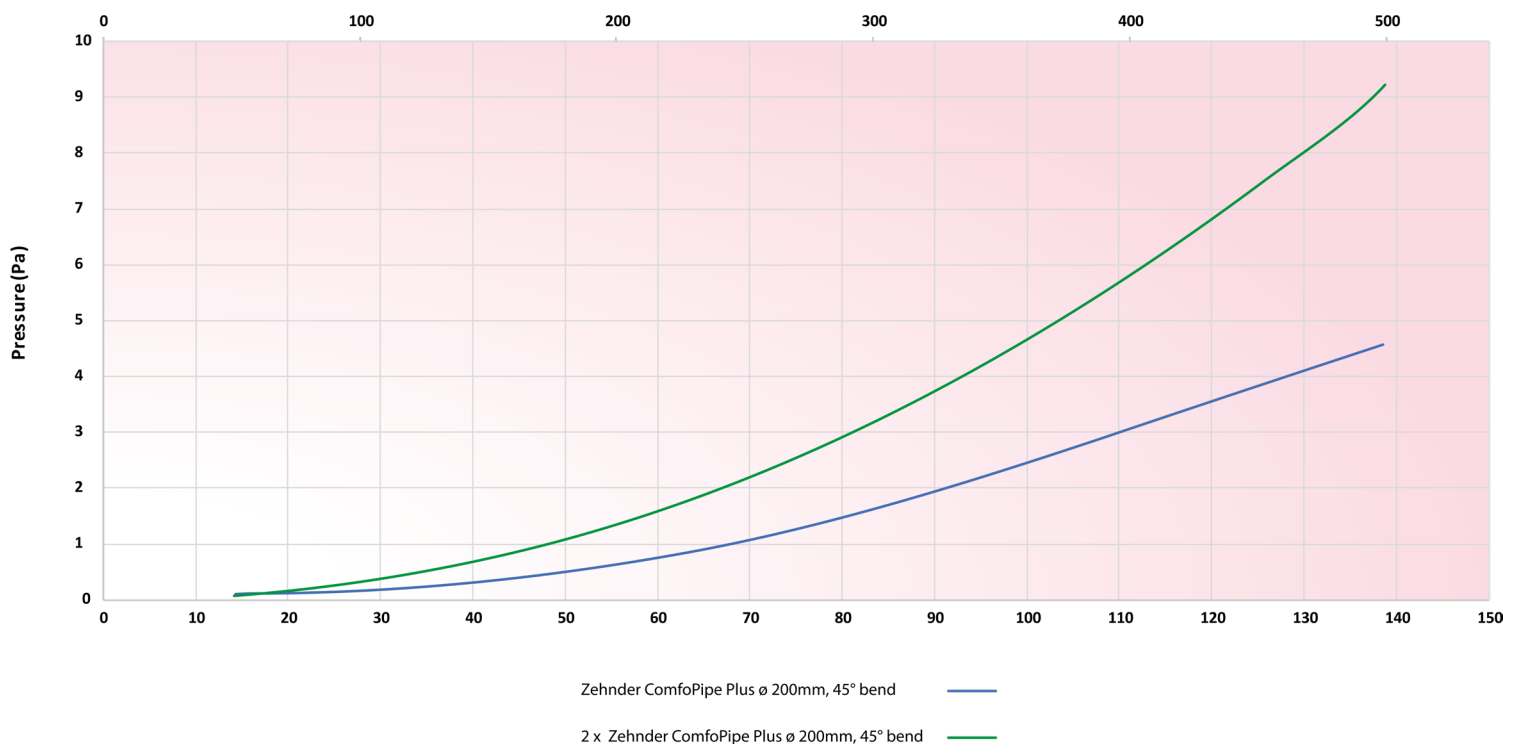


Technical Specification

Angle	90° / 45°
Height	415.4mm / 323.8mm
Width	415.4mm / 336.3mm
Depth	286mm
Weight	542g / 271g

Pressure Curve

Airflow m³/hr



Zehnder ComfoPipe Plus ø 200mm, duct connector

Article number: 990 328 722

Description

Coupling:

Coupling for insulated duct system to securely connect a cut length of ductwork to another straight length of insulated duct or another 45° bend.

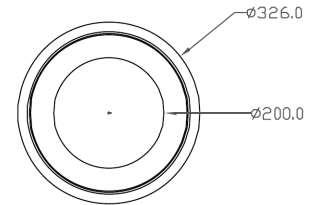
Technical Specification

Length	140mm
Diameter	326mm
Weight	128g

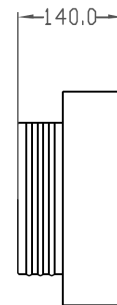


Dimensions

Side view



Top View



Zehnder ComfoPipe Plus ø 200mm, adaptor for Zehnder ComfoAir 550 and Q450/600

Article number: 990 328 723

Description

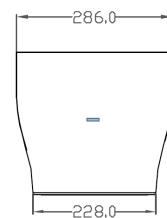
Adaptor:

Adaptor for insulated duct system to securely connect to the ComfoAir Q450 or Q600 to enable a connection to a straight length of insulated duct or 45° bend.

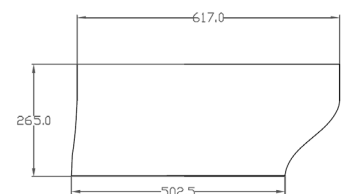


Dimensions

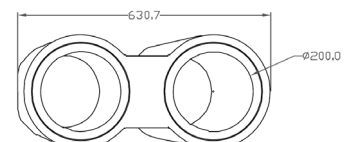
Side view



Front View



Top View



Technical Specification

Height	265mm
Width	630.7mm
Depth	286mm
Weight	678g

Zehnder ComfoPipe Plus ø 200mm, external wall grille

Article number: 990 430 585

Description

Termination:

Termination for insulated duct system to securely connect to a straight length of insulated duct. Fly mesh included.

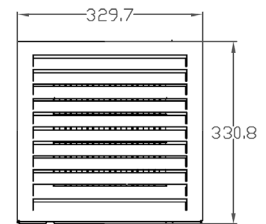


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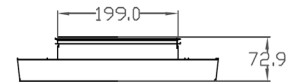
Side view



Front view



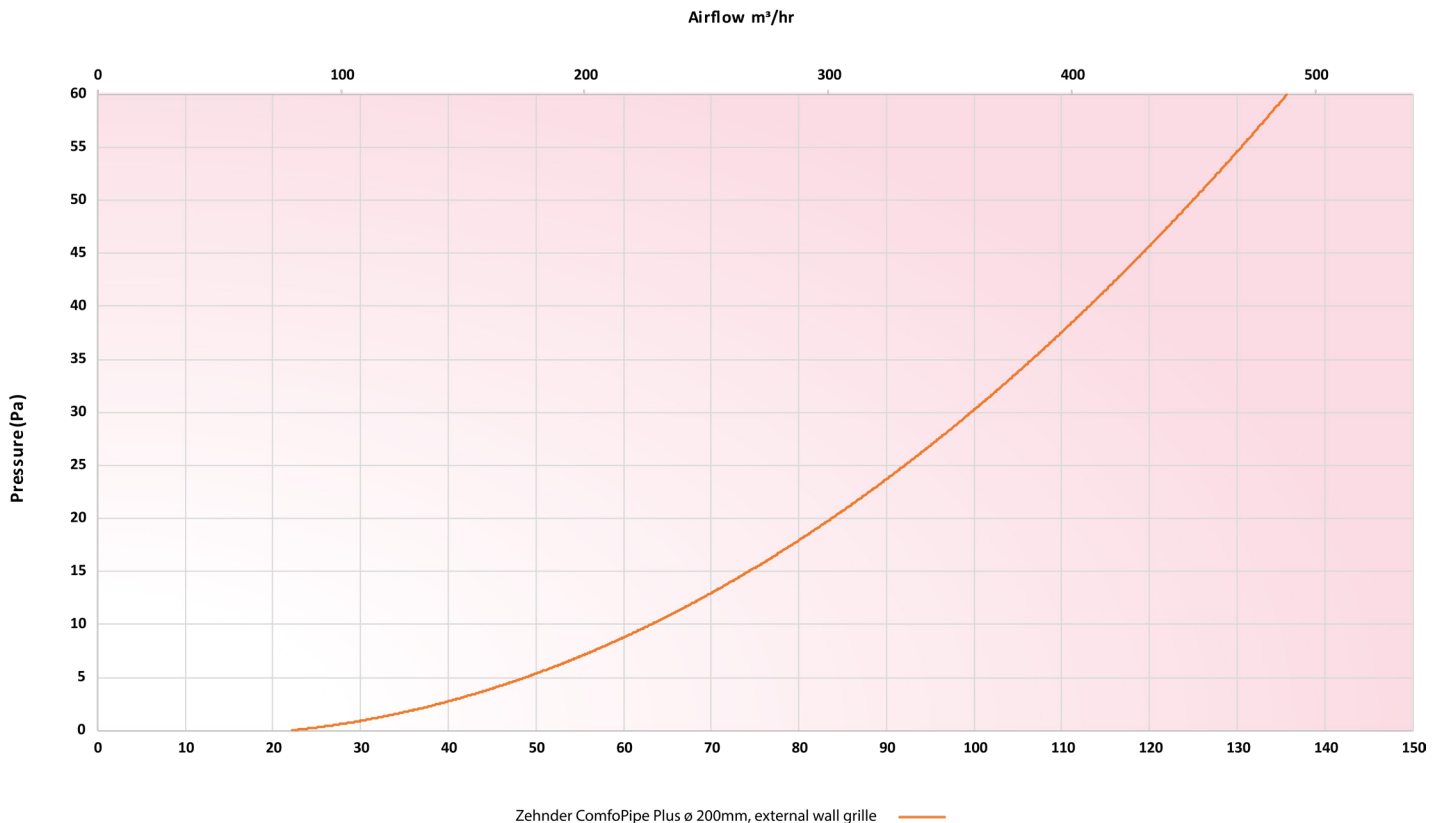
Top View



Technical Specification

Height	330.8mm
Width	329.7mm
Depth	72.9mm
Weight	1.85kg
Material	Galvanized steel
Free area	59,258 mm ²
Core drill diameter	300mm

Pressure Curve



BIM/CAD Components

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Installation Instructions

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Consultant specification

Specification

The ComfoPipe Plus self-seal insulated ductwork shall be constructed of Expanded Polypropylene (EPP) with a thermal resistance of 1.229 m²K/W. It shall be fully tested to meet the thermal conductivity requirements of DIN 1946-6 and have a fire rating of B2 in accordance with DIN 4102-B1.

It shall have an operating temperature range of -25 to +80 °C and not be designed to exceed flowrates with a velocity in excess of 3m/s.

The ductwork shall be manufactured by Zehnder.