

PRODUCT
CATALOGUE

The most popular **ventilation**
system in Poland!

About us

PEFLEX and REQNET are closely cooperating brands offering a complete mechanical ventilation system with heat recovery, manufactured in Poland, for single-family houses. Our product range includes all components of the recuperation system such as: ducts, plenums and distribution boxes, diffusers, air intakes and outlets, accessories, and intelligent recuperators.

PEFLEX was the first company in Poland in 2009 to introduce double-walled, corrugated PE-HD flex ducts of its own Polish production in the characteristic green colour, which have become the most popular ducts used in mechanical ventilation. The name „peflex” has become a common name for ducts of this type in ventilation. A lot has changed since then. Our product range has expanded considerably, giving customers a range of options while at the same time ensuring the highest level of hygienic installation and user comfort and, most importantly, fresh and clean air in their homes.

REQNET recuperators are well-thought-out devices created for mechanical ventilation systems in single-family houses. While designing them, we have put particular emphasis on comfort and ease of use, while also ensuring optimal ventilation for the health of household members.

PEFLEX Mechanical ventilation

Modern mechanical ventilation, through regular air exchange throughout the building, ensures a high level of comfort in living spaces. An intelligent and efficient ventilation system guarantees fresh, clean and healthy air in single family houses.

Mechanical ventilation, also known as recuperation, also has a huge impact on the energy efficiency of buildings. In modern, energy-efficient construction, an important issue is to reduce energy losses, and the recuperation system allows you to reduce the need for heat by up to 50% in the entire heat balance. The heat exchanger used in the recuperator ensures energy and moisture recovery, which is important especially in winter.

Efficient recuperation ensures an optimal level of carbon dioxide in rooms by supplying fresh, filtered air and removing pollutants, viruses, and dust from the indoor environment.

Advantages of mechanical ventilation

- Fresh and clean air all year round
- Optimal indoor carbon dioxide and humidity levels
- Compliance with the technical conditions of the building in accordance with the WT 2021 (Technical Conditions for Construction 2021)
- Air filtration of incoming air, including allergens and smog
- Elimination of stale air and contaminants such as dust, viruses
- Energy recovery – supply air is heated by warm exhaust air
- Lower heating costs – savings of up to 50%
- Elimination of heat loss associated with traditional window ventilation
- Full control over the amount of exchanged air
- No need to build expensive and unsightly ventilation chimneys
- External noise reduction



The most popular
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Key features of the PEFLEX system

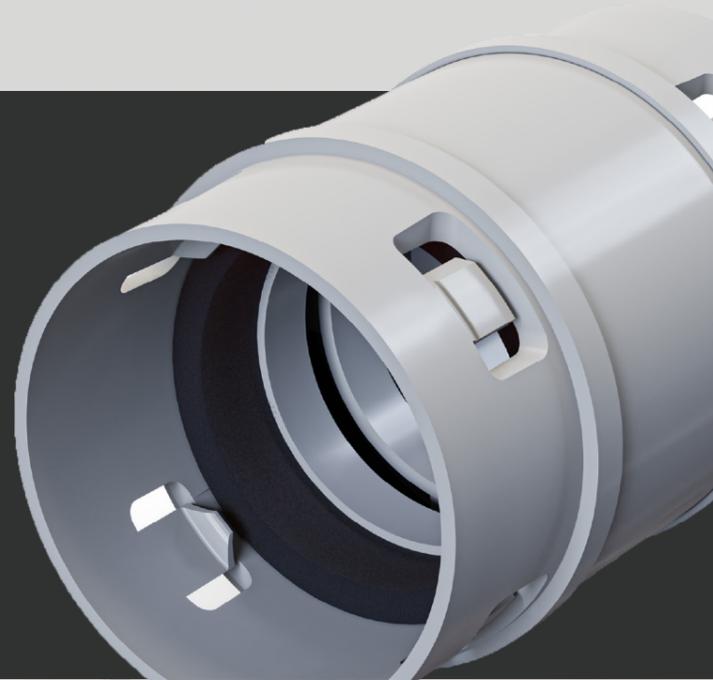


Flexibility and ease of configuration

The components of the system allow for any configuration of the system to best suit the building. The components are compatible with each other and designed to form a single, sealed ventilation system. Different duct diameters and different types and variants of plenum and distribution boxes can be used in a single system for the most efficient distribution of the installation.

Easy and quick installation

The connection system used, based on a CLIK connector, allows for quick installation of ventilation ducts with system components such as the distribution box, plenum box, or coupler. The CLICK connector enables easy assembly and disassembly of the ducts, and with the built-in gasket inside, there is no need for additional sealing. A dedicated duct cutter speeds up the entire installation process.



Tightness

The CLICK connector is a system solution used in all elements requiring connection with PEFLEX duct. The connector has a built-in inner gasket that guarantees a tight connection and a dedicated duct cutter ensures a proper edge of the duct that fits snugly against the gasket. PEFLEX ventilation ducts combined with our plenum and distribution boxes provide a high degree of airtightness for the entire system (class ATC3, according to EN 17192:2018).



Biological protection

The materials and additives used provide biological protection for the ventilation system, ensuring the safety and health of users. The Spectra 1000 ventilation duct provides the highest biological protection of almost 100%. The inner layer of the duct has antibacterial, antifungal and antistatic properties, which additionally reduce the settlement of dirt - dust.

All PEFLEX ducts are certified hygienically by the National Institute of Public Health - National Institute of Hygiene.



Durability

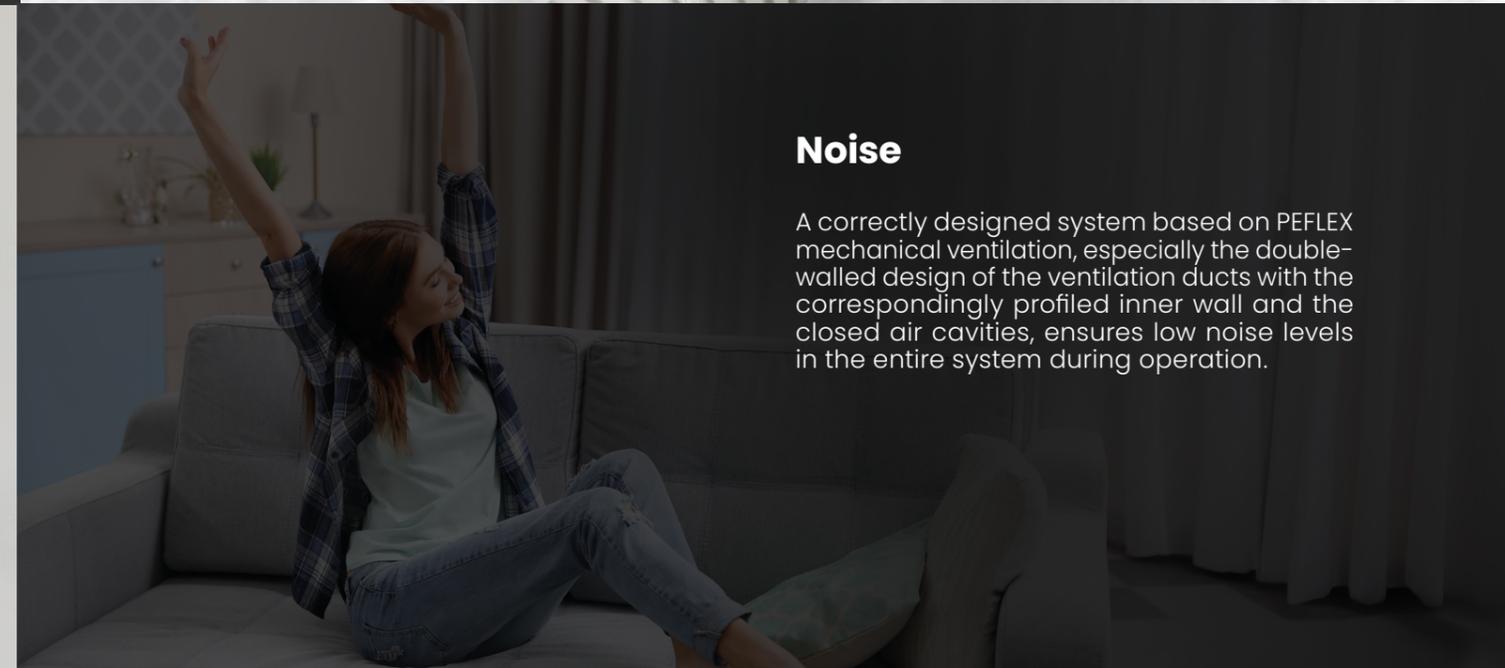
Ventilation system components are made of durable materials such as PE-HD plastic, polypropylene and stainless steel.

Ventilation ducts have a resistance to external pressure of over 800 N, which allows for safe installation in the insulation layer of the floor. The whole system can function smoothly for years of use.

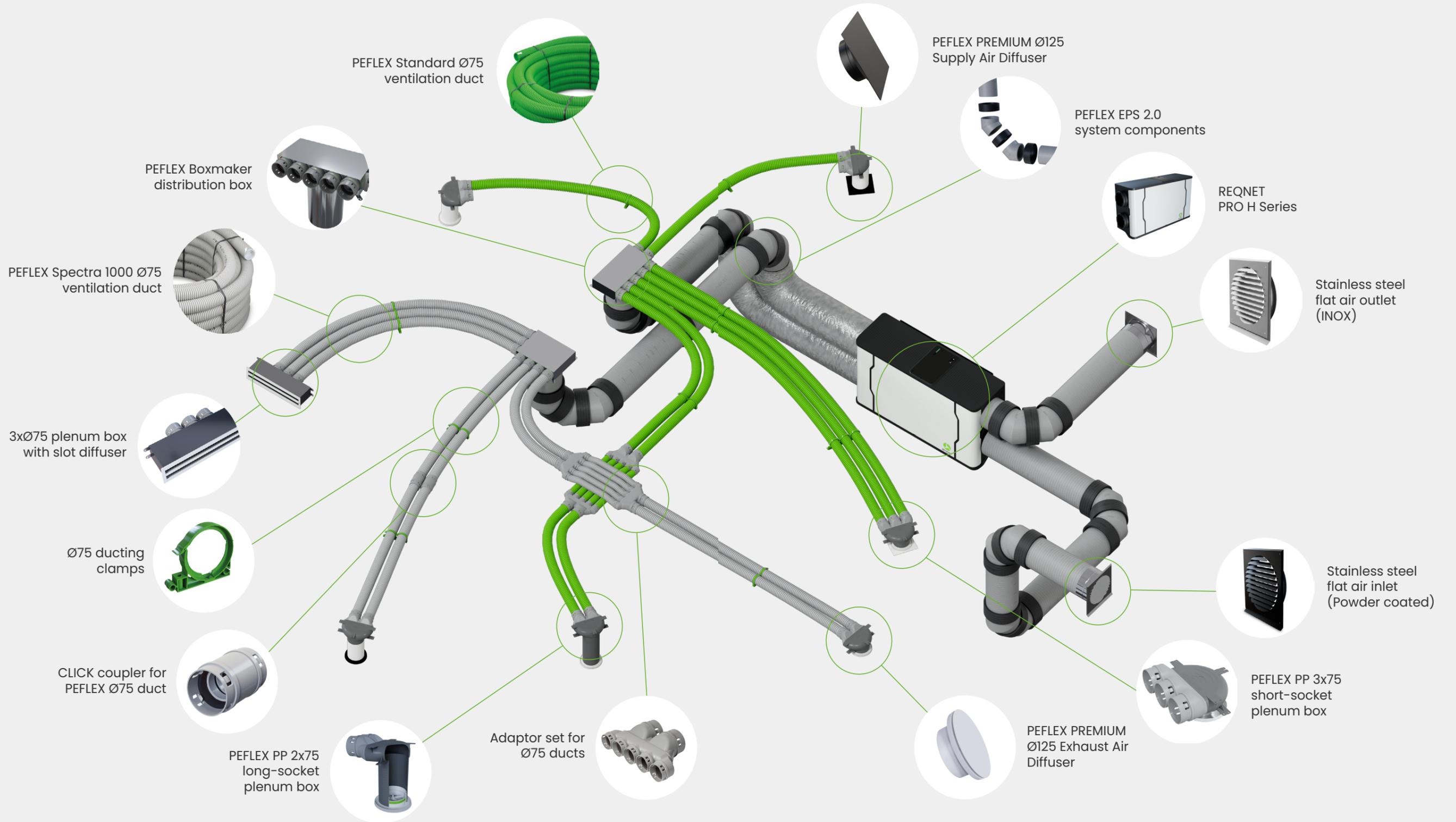


Noise

A correctly designed system based on PEFLEX mechanical ventilation, especially the double-walled design of the ventilation ducts with the correspondingly profiled inner wall and the closed air cavities, ensures low noise levels in the entire system during operation.

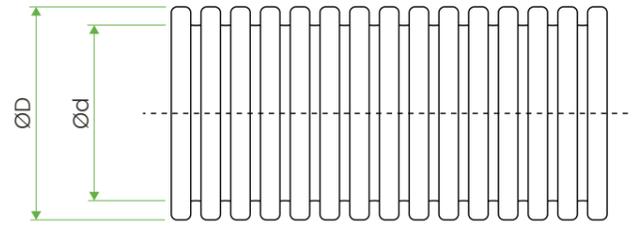


**Plan fresh and clean air
at home with our products!**

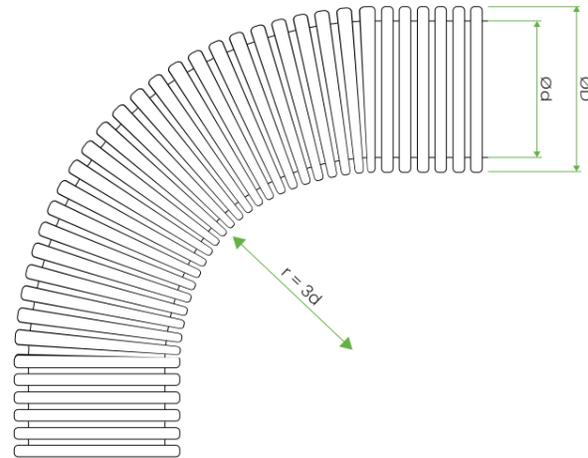




Dimensions:



Bending radius of a round duct



Description:

PEFLEX air ducts are made from first-grade HDPE and are available in outer diameters of Ø50, Ø75, or Ø90 mm. Manufactured from the highest quality materials, they feature a smooth inner layer that ensures hygiene through antistatic, antibacterial, and antifungal properties.

PEFLEX flexible air ducts are designed for the transport of supply and exhaust air in mechanical ventilation systems with heat recovery (HRV) in residential buildings.

Technical features:

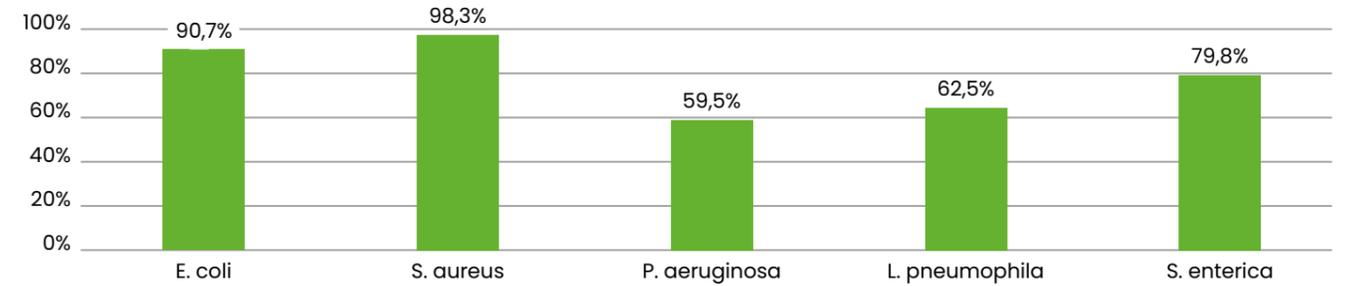
	PEFLEX 50	PEFLEX 75	PEFLEX 90
Outer duct diameter ØD	Ø50	Ø75	Ø90
Inner duct diameter Ød	Ø40	Ø61	Ø75
Coil length [m]	20 / 100	15 / 50	40
Transport coil dimensions (diameter × height) [cm]	120x120x38	120x120x46	120x120x46
Weight [kg]	20 m - 3,6 / 100 m -17,1	15 m -4,8 / 50 m - 15,2	15,3
Operating temperature range [°C]	-15 +50		
Compression resistance (PN-EN 61386-24)	min. 500N		
Impact resistance (PN-EN 61386-24)	Normal (N)		
Fire reaction class	D-s2, d2 (PN-EN 13501-1)		
Minimum bending radius	3 x DN [mm] according to EN 13180		
Material (outer layer)	High-density polyethylene (HDPE), green color (PEFLEX marking)		
Material (inner layer)	Low-density polyethylene (LDPE) with antibacterial, antifungal and antistatic additives, transparent color		

Technical Data:

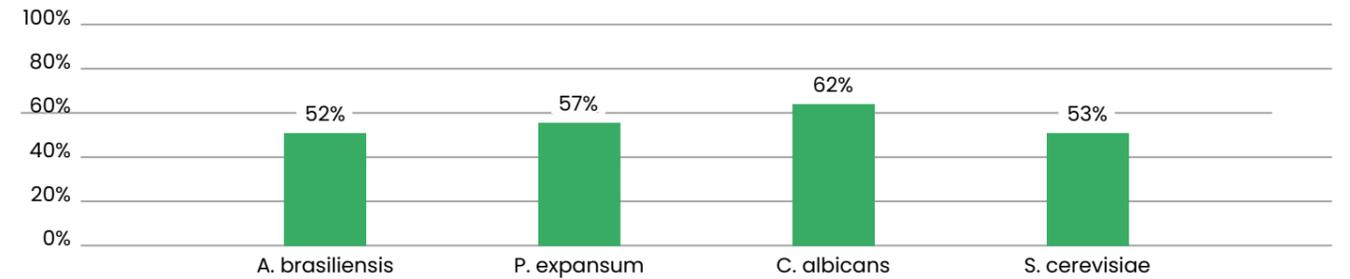
Air velocity (m/s)	Diameter								
	Ø50			Ø75			Ø90		
	Airflow		Pressure drop per meter	Airflow		Pressure drop per meter	Airflow		Pressure drop per meter
m/s	m³/h	l/s	Pa	m³/h	l/s	Pa	m³/h	l/s	Pa
0,5	2,3	0,6371	0,2	5,6	1,5512	0,1	7,5	2,0775	0,1
1	4,5	1,2465	0,6	10,5	2,9085	0,4	15	4,155	0,3
1,5	6,8	1,8836	1,3	15,5	4,2935	0,8	23	6,317	0,6
2	9	2,493	2,2	21	5,617	1,3	31	8,587	1
2,5	11	3,047	3,3	26	7,202	1,9	39	10,803	1,5
3	13	3,601	4,5	32	8,864	2,6	47	13,019	2,3
3,5	15	4,155	6	37	10,249	3,6	55	15,235	2,7
4	18	4,986	7,5	42	11,634	4,4	63	17,451	3,4

Microbiological Resistance:

Bacteria reduction in PEFLEX Standard ducts

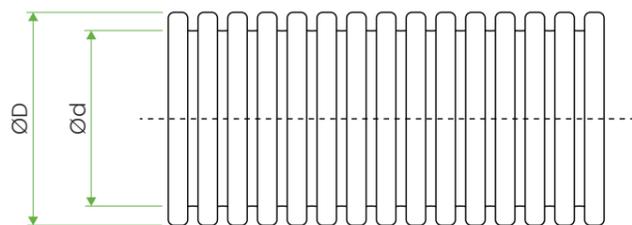


Fungal growth resistance – PEFLEX Standard

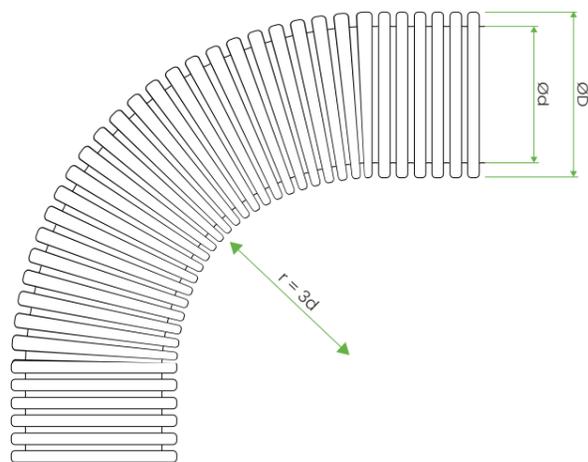




Dimensions:



Bending radius of a round duct



Description:

PEFLEX SPECTRA air ducts are made from premium-grade HDPE with external diameters of Ø50, Ø75, or Ø90. They are equipped with an advanced internal Spectra 1000 coating, providing an extremely high level of microbiological protection – reducing bacteria by up to 99.9% and achieving 100% effectiveness in limiting fungal growth, as confirmed by laboratory tests.

PEFLEX SPECTRA flexible ventilation ducts are designed for transporting supply and exhaust air in mechanical ventilation systems with heat recovery (recovery systems) in residential buildings, ensuring long-term hygiene of the installation and a high standard of indoor air quality.

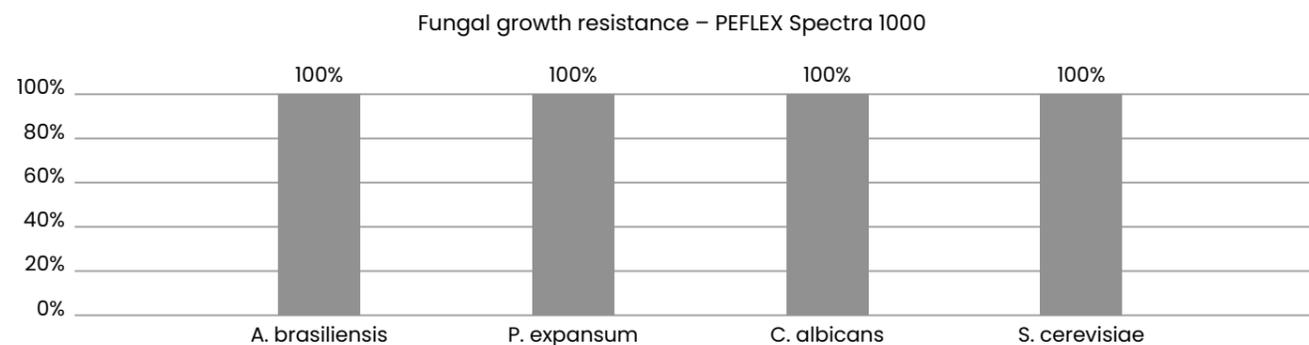
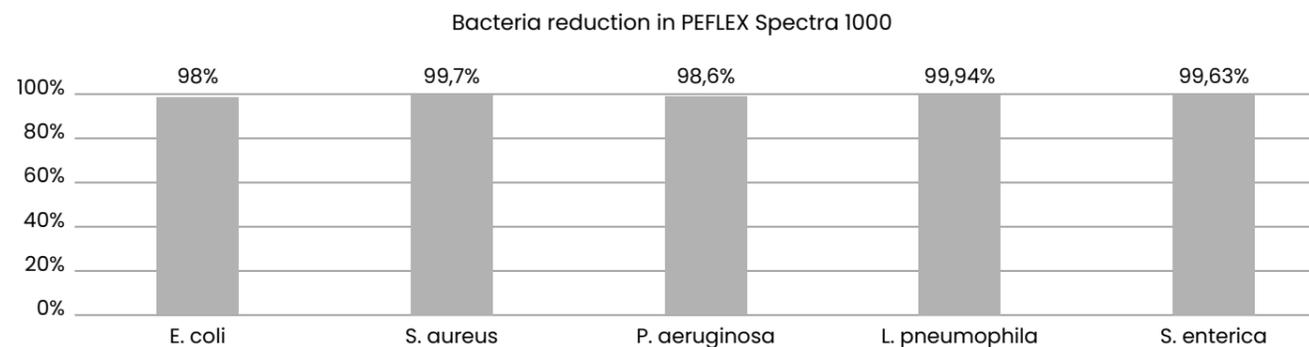
Technical features:

	PEFLEX 50	PEFLEX 75	PEFLEX 90
Outer duct diameter ØD	Ø50	Ø75	Ø90
Inner duct diameter Ød	Ø40	Ø61	Ø75
Coil length [m]	20 / 100	15 / 50	40
Transport coil dimensions (diameter × height) [cm]	120x120x38	120x120x46	120x120x46
Weight [kg]	20 m - 3,6 / 100 m -17,1	15 m -4,8 / 50 m - 15,2	15,3
Operating temperature range [°C]	-15 +50		
Compression resistance (PN-EN 61386-24)	min. 500N		
Impact resistance (PN-EN 61386-24)	Normal (N)		
Fire reaction class	D-s2, d2 (PN-EN 13501-1)		
Minimum bending radius	3 x DN [mm] according to EN 13180		
Material (outer layer)	High-density polyethylene (HDPE), grey color (PEFLEX marking)		
Material (inner layer)	Low-density polyethylene (LDPE) with antibacterial, antifungal and antistatic additives, green color		

Technical Data:

Air velocity (m/s)	Diameter								
	Ø50			Ø75			Ø90		
	Airflow	Pressure drop per meter		Airflow	Pressure drop per meter		Airflow	Pressure drop per meter	
m/s	m³/h	l/s	Pa	m³/h	l/s	Pa	m³/h	l/s	Pa
0,5	2,3	0,6371	0,2	5,6	1,5512	0,1	7,5	2,0775	0,1
1	4,5	1,2465	0,6	10,5	2,9085	0,4	15	4,155	0,3
1,5	6,8	1,8836	1,3	15,5	4,2935	0,8	23	6,317	0,6
2	9	2,493	2,2	21	5,617	1,3	31	8,587	1
2,5	11	3,047	3,3	26	7,202	1,9	39	10,803	1,5
3	13	3,601	4,5	32	8,864	2,6	47	13,019	2,3
3,5	15	4,155	6	37	10,249	3,6	55	15,235	2,7
4	18	4,986	7,5	42	11,634	4,4	63	17,451	3,4

Microbiological Resistance:





The product is certified by the National Institute of Public Health (PZH)



Antibacterial product



Description:

The ducts are available in two variants: with microperforations and with microperforations and an internal antibacterial layer. The microperforations in the inner layer ensure noise dampening, which enhances the comfort of using the ventilation system. The inner antibacterial green layer inhibits bacterial growth, ensuring hygienically clean air. A clear vapour barrier foil sleeve between the inner jacket and the insulation fleece protects the polyester insulation fleece from water penetration and the duct interior from microscopic fleece particles.

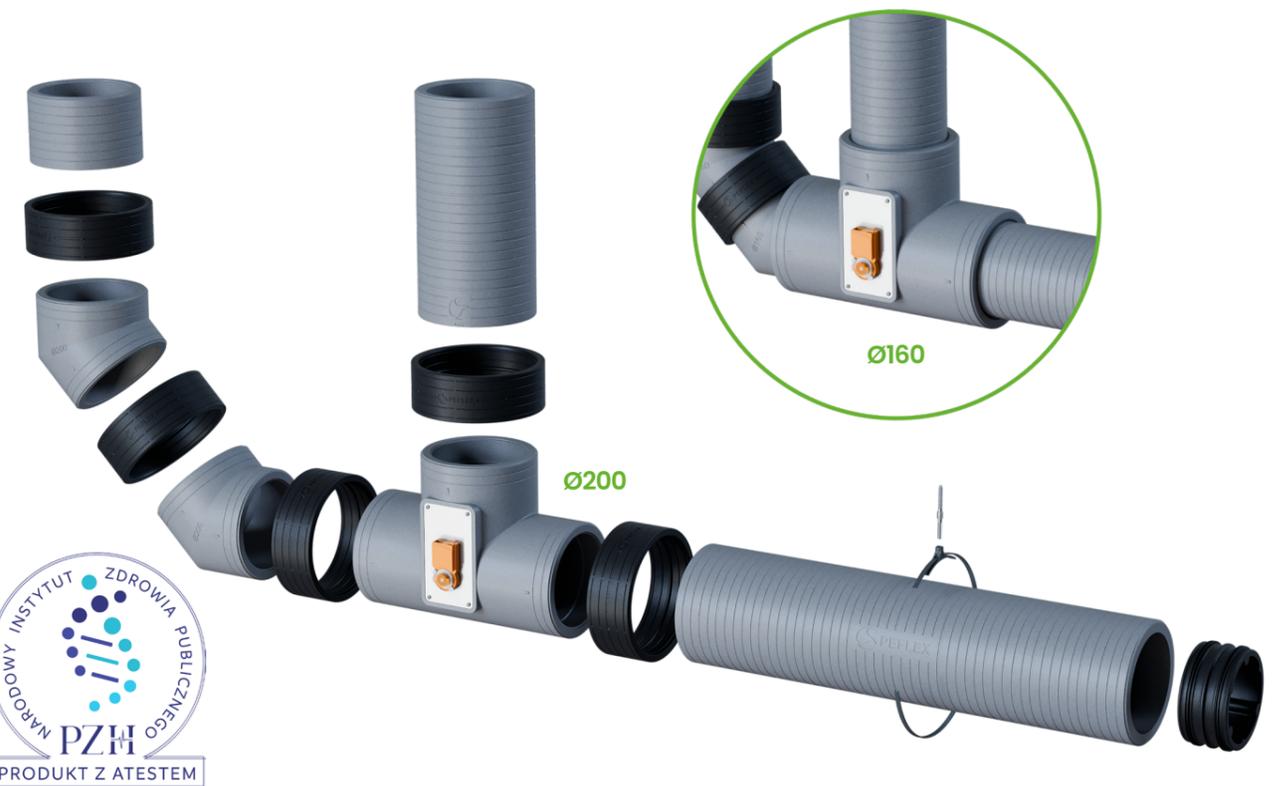
The main advantages of non-woven polyester insulation:

- it does not irritate the skin or produce dust during installation,
- there is no risk of wool particles entering the ductwork,
- it is more resistant to moisture and water,
- it has a thermal conductivity coefficient (lambda) comparable to that of mineral wool,
- it is certified with a hygiene certificate, issued by the National Institute of Public Health.

Technical features:

Isolation thickness	25 mm	50 mm		
Thermal insulation	polyester fibres (dust-free)			
Max. pressure	+2500 Pa			
Max. air velocity	25 m/s			
Available internal duct diameters	Ø127	Ø165	Ø203	Ø254
Extended length	10 m			
Temperature resistance	from -30°C to +140°C			
Country of origin	Poland			

The new, upgraded PEFLEX EPS 2.0 system is an advanced solution that combines aesthetic installation, ease of assembly, and excellent thermal insulation properties of ventilation ducts. It is designed to connect the recuperator with distribution boxes, as well as the air inlet and outlet, ensuring a tight, thermal-bridge-free connection.



Key Features:

Available in two diameters: Ø160 mm and Ø200 mm, providing greater flexibility in ventilation system installations.

Innovative flexible EPP couplings: Ensure airtight connections without the need for glue, silicone, or acrylic. This allows for a faster push-fit assembly while maintaining long-lasting tightness.

Monolithic construction: All components and fittings are manufactured as a single piece, eliminating the risk of delamination and increasing overall durability and airtightness.

The system is designed to minimize heat loss in the building and to allow for thermal-bridge-free routing of air ducts between the recuperator and the supply/exhaust grilles. Thanks to the use of flexible EPP couplings, the connection process is fast and easy, requiring no specialized tools or additional sealing materials.

PEFLEX EPS 2.0 combines innovation, durability, and energy efficiency in a single system. Choose a modern solution for your ventilation installation.

Advantages of the EPS 2.0 System

Up to 25% higher thermal insulation: (Thermal resistance) compared to traditional flexible or rigid ducts insulated with mineral wool of the same thickness.

Lower installation costs: Unlike metal ducts, which require additional insulation, the PEFLEX EPS system allows for faster installation, reducing expenses for extra materials and labor.

Compatibility: Can be combined with other metal and flexible duct systems, increasing versatility in application.

Faster installation: No additional insulation is required for ventilation elements, reducing installation time by up to 50%.

Lightweight: Eight times lighter than insulated steel ducts, facilitating transport and installation.

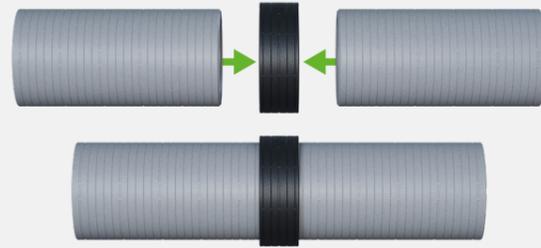
Moisture resistance: The high moisture and water resistance of EPS material ensures long-lasting durability and consistent insulation performance, eliminating the risk of insulation degradation caused by moisture.

Lower airflow resistance: Provides higher efficiency of the air handling unit and lower energy consumption compared to insulated flexible ducts.

No thermal bridges: Continuous and airtight insulation along the entire length of the system thanks to flexible couplings and the monolithic design of the components.

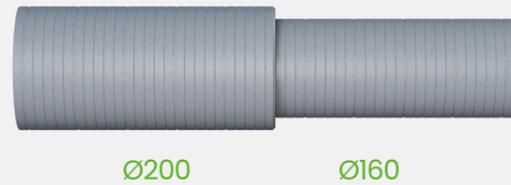
Self-Sealing Couplings:

Airtight push-fit connection: no glue, silicone, or acrylic needed, significantly streamlining the installation process



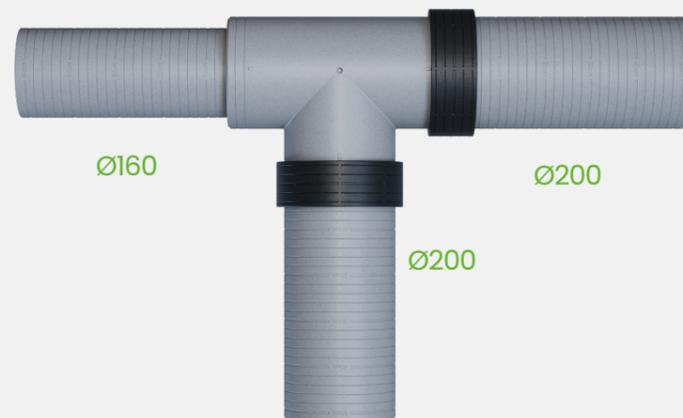
Easy diameter adjustment:

Allows reduction of duct diameter by inserting a Ø160 mm duct into a Ø200 mm duct without the need for an additional fitting



Universal tee:

Enables connection of PEFLEX EPS ducts Ø160/200 mm and Ø200/250 mm in various configurations using a single fitting

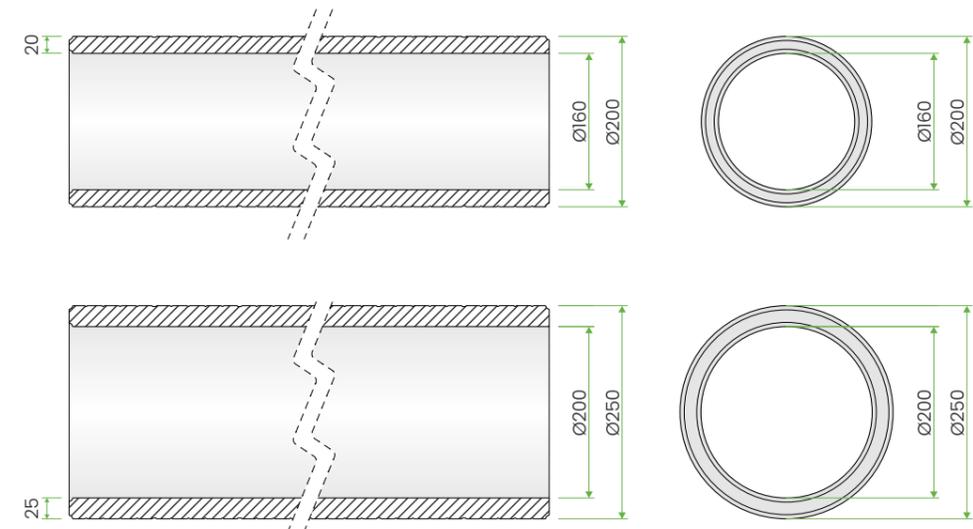


Description:

PEFLEX EPS 2.0 rigid air ducts are made from expanded polystyrene (EPS) – a high-density technical grade foam. They are designed for air distribution in mechanical ventilation systems with heat recovery (HRV), specifically for connecting the heat recovery unit to the air intake, exhaust, and distribution boxes. Wall thickness of 20 mm (Ø160) and 25 mm (Ø200) provides high thermal insulation. Thanks to their injection-molded monolithic construction, the ducts are not glued, which eliminates the risk of leaks and increases durability and mechanical resistance.

Just like other components of the PEFLEX EPS 2.0 system, the ducts are connected using flexible EPP couplings, which provide an airtight push-fit connection-eliminating the need for adhesives, silicone, or other sealants. The internal diameters of the ducts are compatible with standard metal ducting (both rigid and flexible), and can be connected using standard male (nipple) connectors.

Dimensions:



Product	Internal Diameter	External Diameter	Length	Wall Thickness	Material	Material Density
PEFLEX Duct 160	160 mm	200 mm	1000 mm	20 mm	EPS	40 kg/m ³
PEFLEX Duct 200	200 mm	250 mm	1000 mm	25 mm	EPS	40 kg/m ³



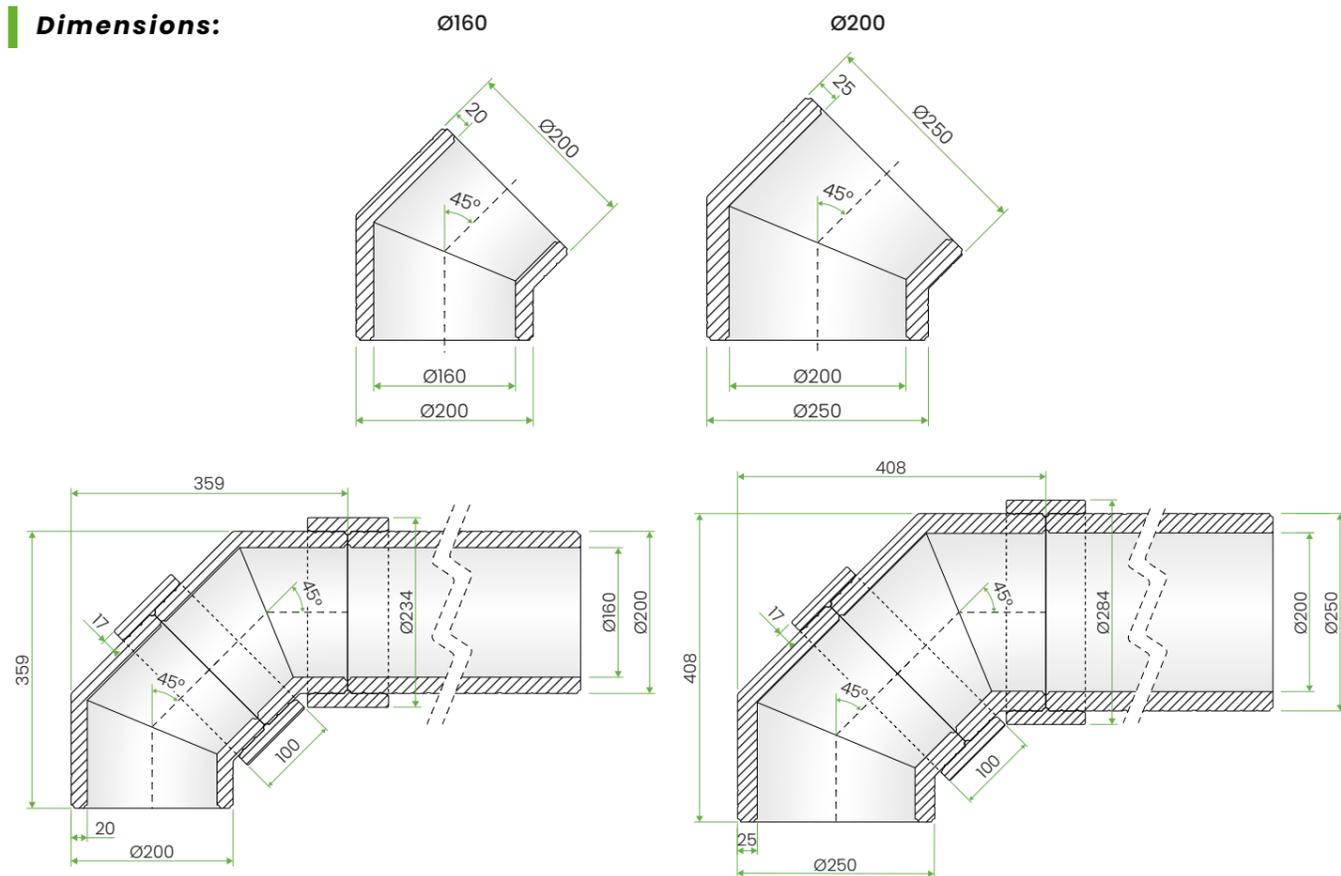
Description:

EPS elbows allow the creation of 90° bends (using two pieces) in the PEFLEX EPS 2.0 ventilation system. Their compact design and the use of flexible EPP couplings enable very short bends while maintaining minimal airflow resistance. Available in internal diameters of Ø160 mm and Ø200 mm, they allow for seamless adaptation to various system configurations.

The elbows are injection-molded as a single piece from high-density technical-grade expanded polystyrene (EPS), without the use of adhesives.

Like other components of the PEFLEX EPS 2.0 system, the elbows are connected using flexible EPP couplings, which provide a tight push-fit connection without the need for glue, silicone, or other sealing materials.

Dimensions:



Product	Internal Diameter	External Diameter	Length	Wall Thickness	Material	Material Density
PEFLEX elbow 160	160 mm	200 mm	359 mm	20 mm	EPS	40 kg/m ³
PEFLEX elbow 200	200 mm	250 mm	408 mm	25 mm	EPS	40 kg/m ³



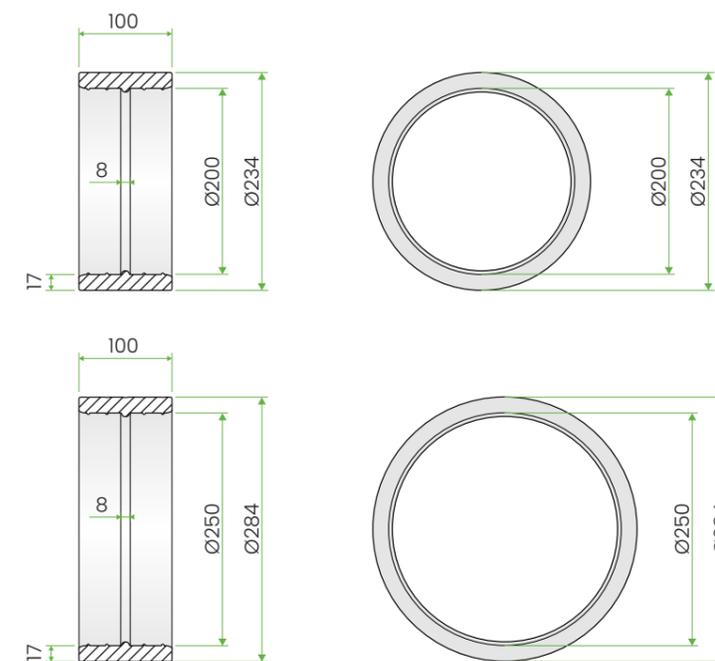
Description:

EPP couplings enable the quick and durable connection of ducts, elbows, and tees within the PEFLEX EPS 2.0 system. Thanks to their flexible design, the couplings adapt to the joined components, ensuring an airtight seal without the need for adhesives, silicone, or other sealants. The push-fit assembly allows for easy installation and effortless dismantling of the system.

Variants:

- Ø200 – for components with diameters Ø160/200 mm
- Ø250 – for components with diameters Ø200/250 mm

Dimensions:



Product	Internal Diameter	External Diameter	Length	Wall Thickness	Material	Material Density
PEFLEX EPP coupling 160	200 mm	234 mm	100 mm	17 mm	EPP	40 kg/m ³
PEFLEX EPP coupling 200	250 mm	284 mm	100 mm	17 mm	EPP	40 kg/m ³



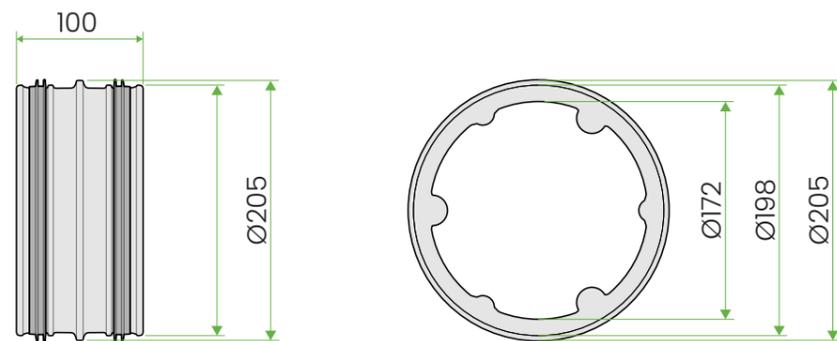
Description:

The PEFLEX EPP Nipple $\varnothing 198$ mm is a component of the PEFLEX EPS 2.0 system. It allows for seamless connection with standard $\varnothing 200$ mm ventilation ducts, such as spiral steel ducts (Spiro) and flexible ducts (e.g., SONODEC), which can additionally serve as silencers when connected to the HRV unit.

Made of expanded polypropylene (EPP), it features high thermal insulation, water resistance, and low weight, while providing a connection free of thermal bridges.

The nipple is push-fit onto the end of an EPS $\varnothing 200$ mm duct or fitting, with built-in gaskets ensuring an airtight connection. It is not intended for joining individual components of the PEFLEX EPS 2.0 system; those should be connected using the dedicated EPP coupling.

Dimensions:



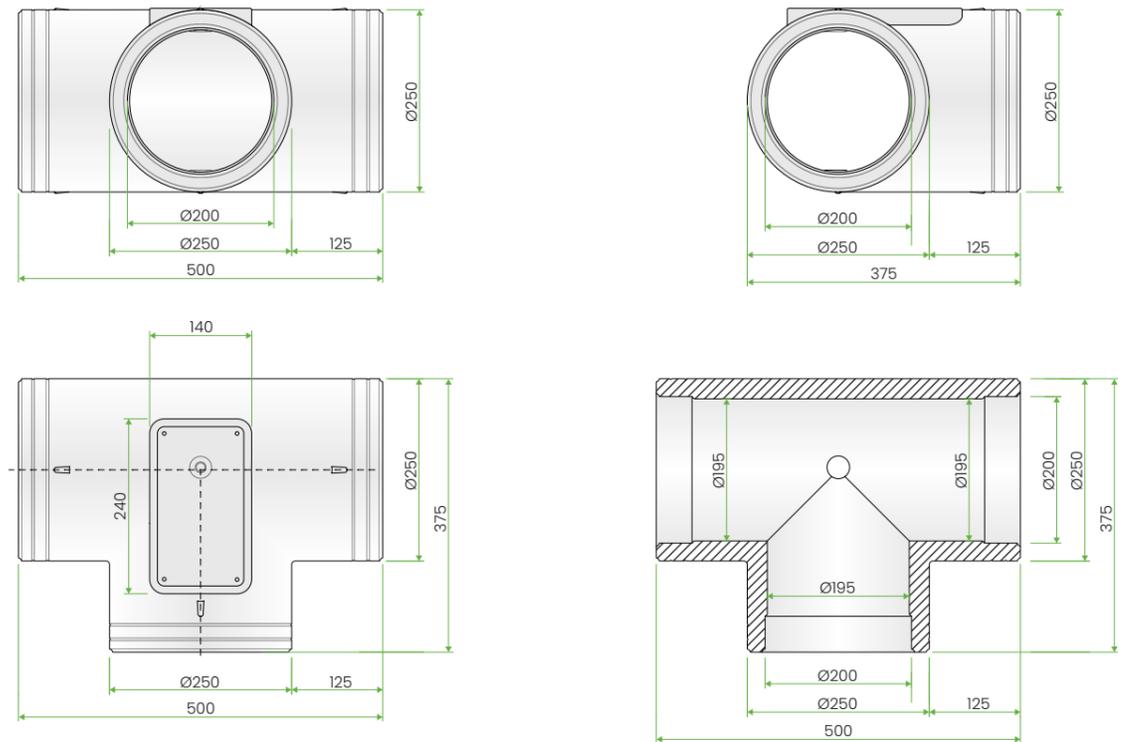
Product	Internal Diameter	Length	Wall Thicknes	Material
PEFLEX EPP Nipple 198	198 mm	100 mm	12 mm	EPP



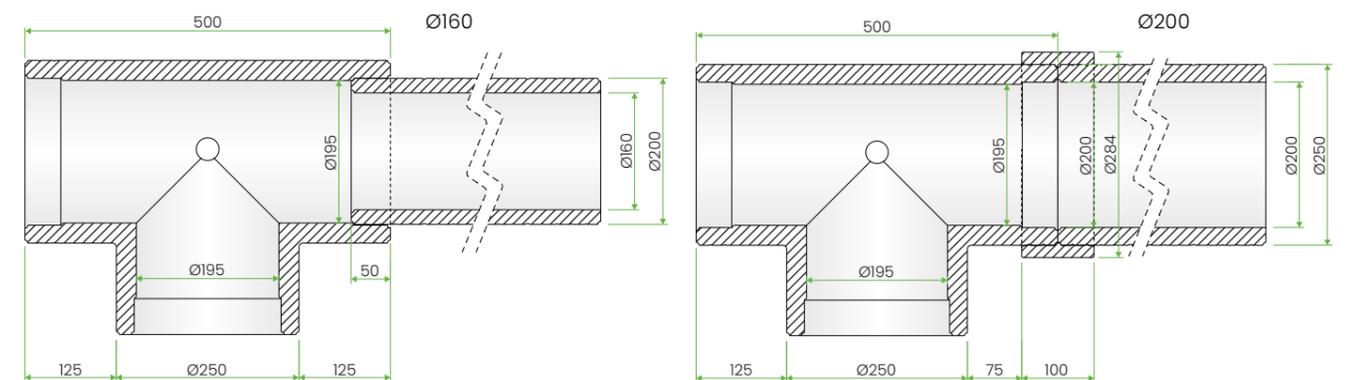
Description:

The PEFLEX EPS 2.0 tee connector enables universal connection of PEFLEX EPS ducts with two different outer diameters: – 160 mm (inserted into the interior of the tee) and – 200 mm (using the system EPP coupling). This makes it possible to simultaneously split the airflow and reduce the diameter, for example from $\varnothing 200$ mm to two $\varnothing 160$ mm ducts, which facilitates adaptation to various ventilation system layouts.

Dimensions:



Connection options:





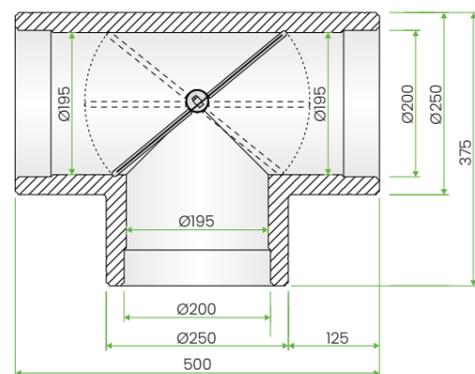
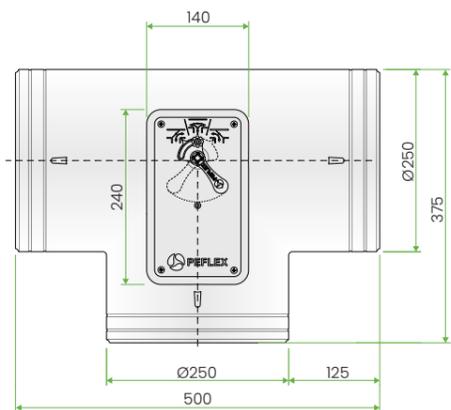
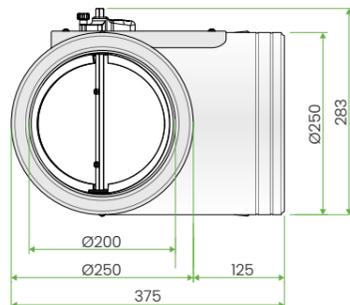
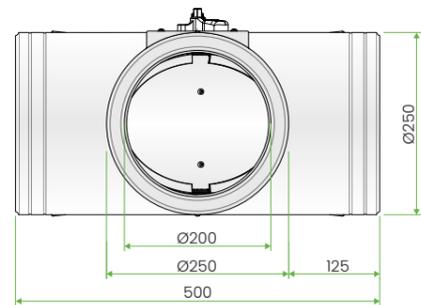
Description:

The PEFLEX EPS 2.0 tee connector with control damper is an insulated ventilation system component that innovatively combines the function of air flow distribution with precise regulation. It is ideal for installations using Ground Heat Exchangers (GHE) and in any application where air needs to be divided between different sections of a building.

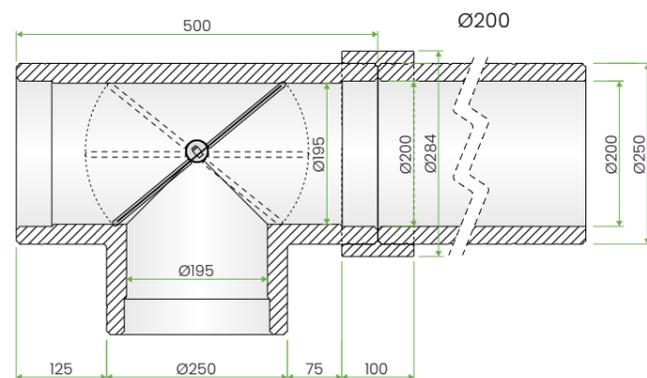
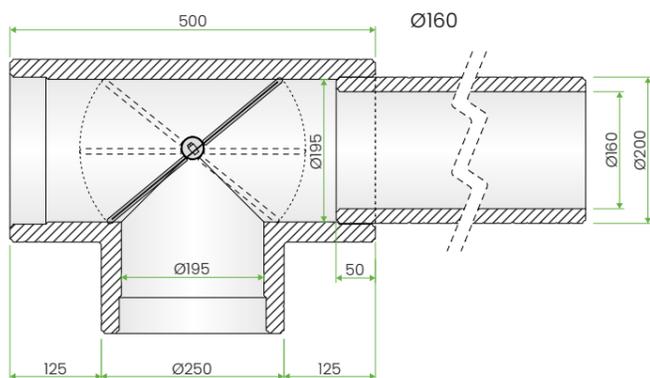
Equipped with universal $\varnothing 160$ mm and $\varnothing 200$ mm connections, it provides flexible installation options. The EPS body ensures excellent thermal insulation, moisture resistance, and durability. The damper features a stainless steel flap with a perimeter gasket, guaranteeing airtightness and precise flow control.

Two versions are available:
 Actuator-ready: compatible with popular drives (up to 2 Nm) for automated airflow control,
 Manual: equipped with a handle for manual adjustment.

Dimensions:



Connection Options:



PEFLEX distribution boxes are custom-made to order – they can be manufactured with any dimensions and spigot configurations. Using the BOXMAKER software, you can design a custom distribution box with a fast turnaround time. Optimally designed boxes facilitate the ventilation system installation and heat recovery unit connection.



Description:

Distribution boxes are made entirely of stainless steel, ensuring long-term durability.

Custom dimensions, spacing, and spigot dimensions can be designed independently using our intuitive BOXMAKER software.

The program also stores your completed box designs, allowing for easy access and reordering in the future.

Our distribution boxes utilize system-specific plastic connectors equipped with built-in gaskets and a CLICK assembly system, which significantly simplifies the installation.

PEFLEX air ducts, when combined with plenum and distribution boxes, ensure the highest level of airtightness for the entire system.

The BOXMAKER software also allows for the placement of mounting brackets on any surface of the box.

Our refined manufacturing process allows for project fulfillment within 24 hours.

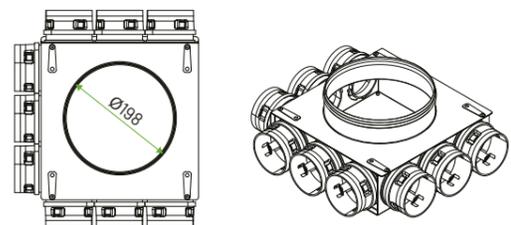
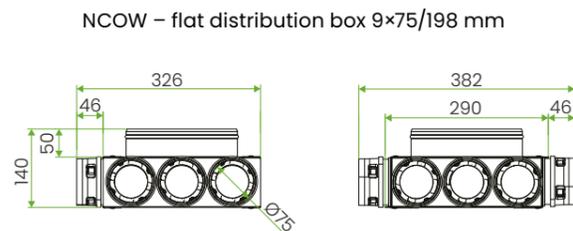
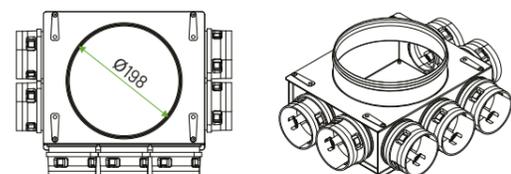
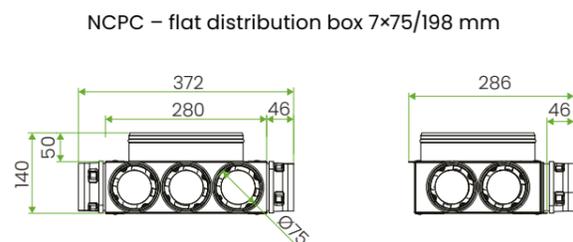
Box dimensions	Connector quantity and size	Spigots	Box type (Angular, Straight-through)	Mounting brackets
Custom	selectable	selectable	selectable	selectable



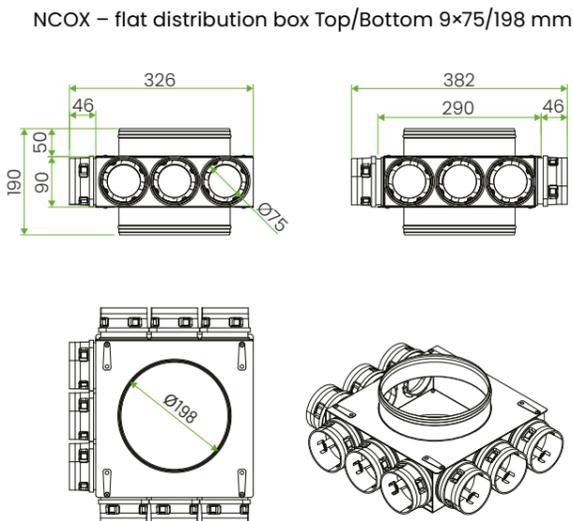
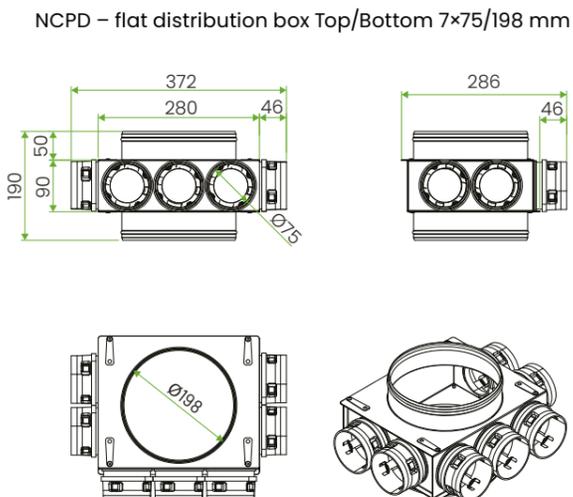
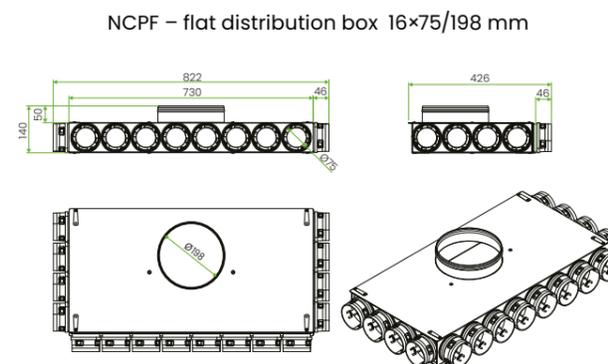
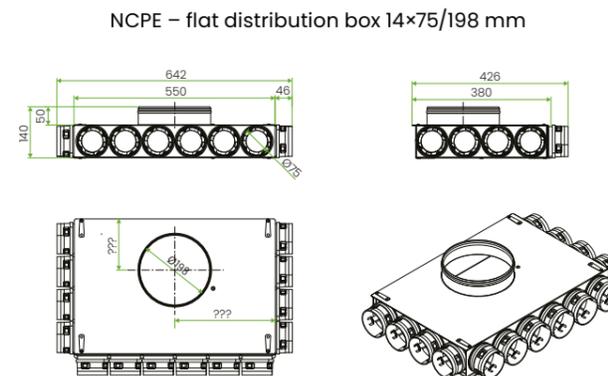
Technical data:

Connector quantity	Maximum airflow
7 x Ø75 mm	up to 210 m ³ /h
9 x Ø75 mm	up to 270 m ³ /h
14 x Ø75 mm	up to 420 m ³ /h
16 x Ø75 mm	up to 480 m ³ /h

Dimensions:



Dimensions (cont.):



Description:

PEFLEX Standard flat distribution boxes are ready-to-install boxes designed for supply and exhaust ventilation systems with heat recovery. Made of durable INOX stainless steel, they are highly resistant to corrosion and demanding operating conditions. Their compact, low-profile design allows for installation in confined spaces – on floors, between floor slabs, or under ceilings.

Technical features:

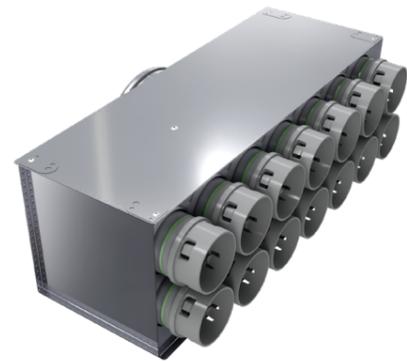
- Made of INOX stainless steel
- Acoustic insulation (optional) – 6 mm thick soundproofing foam, reducing airflow noise
- Nipple Ø198 mm connectors with factory-fitted gaskets
- Universal mounting brackets for under-ceiling or floor installation
- Welded, airtight construction ensuring high durability.

Application:

Ventilation distribution boxes are used to evenly distribute supply and exhaust air in mechanical ventilation systems with heat recovery. They allow multiple ventilation ducts to be connected to individual rooms, ensuring optimal air distribution throughout the building. Primarily used in residential installations, they guarantee quiet and efficient system performance.

Variants:

- Spigot arrangement: Top / Top-Bottom
- Connector quantity: 7xØ75 mm, 9xØ75 mm, 14xØ75 mm, 16xØ75 mm (single row)
- Spigots: Nipple Ø198 mm with gasket
- Acoustic insulation (optional): Yes

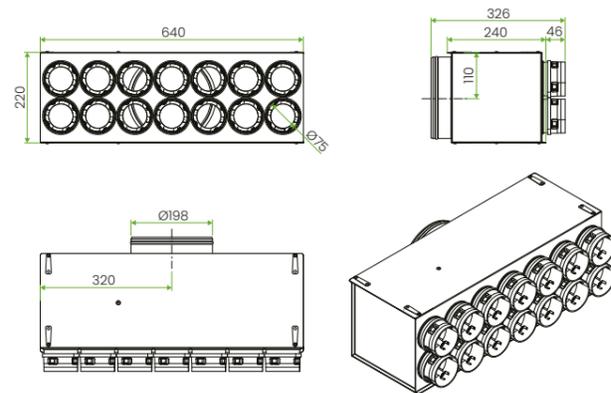


Technical data:

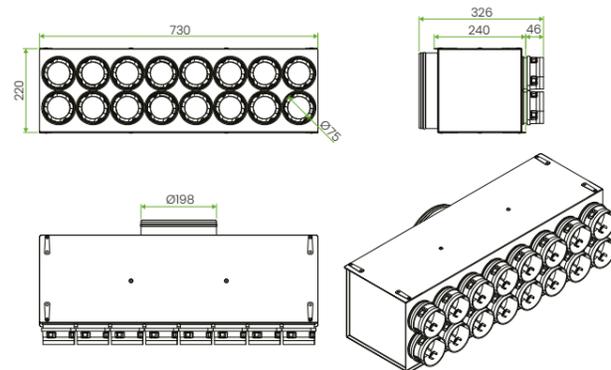
Connector quantity	Maximum airflow
14 x Ø75 mm	up to 420 m³/h
16 x Ø75 mm	up to 480 m³/h

Dimensions:

NCOQ - double-row straight-through distribution box 14x75/198 mm



NCOT- double-row straight-through distribution box 16x75/198 mm



Description:

PEFLEX Standard double-row distribution boxes are ready-to-install boxes designed for supply and exhaust ventilation systems with heat recovery. Made of INOX stainless steel, they are equipped with 14 or 16 Ø75 mm connectors arranged in two rows. The Ø198 mm main spigot can be positioned on the back, side, or top of the box. The compact design allows for installation within floor slabs, in attics, or underfloor, while the welded housing ensures high airtightness and durability.

Technical features:

- High-quality INOX stainless steel housing
- Ø75 mm connectors with integrated gaskets and the PEFLEX • CLICK assembly system – ensuring a quick, airtight, and durable connection without the need for additional sealants
- Universal mounting brackets for under-ceiling, floor, or attic installations
- Welded, airtight construction guaranteeing long-term durability

Application:

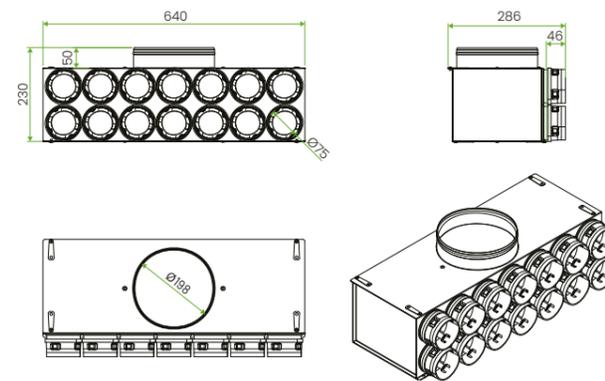
These boxes are used to distribute supply and exhaust air in mechanical ventilation systems with heat recovery. The ready-made configurations allow for fast installation without the need for a custom design.

Variants:

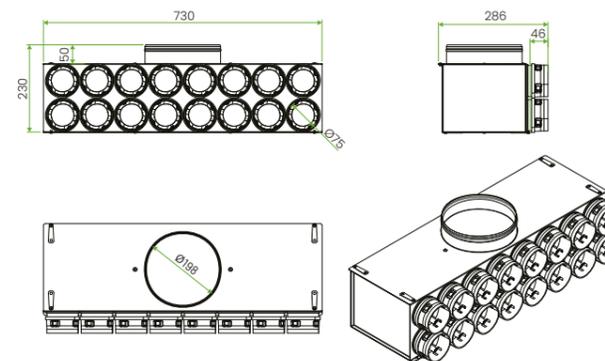
- Double-row straight-through box with a single Ø198 mm nipple connector and gasket
- Double-row angular box with a single Ø198 mm nipple connector and gasket
- Double-row directional box with a single Ø198 mm nipple connector and gasket
- Number of connectors: 14xØ75 mm or 16xØ75 mm arranged in two rows

Dimensions (cont.):

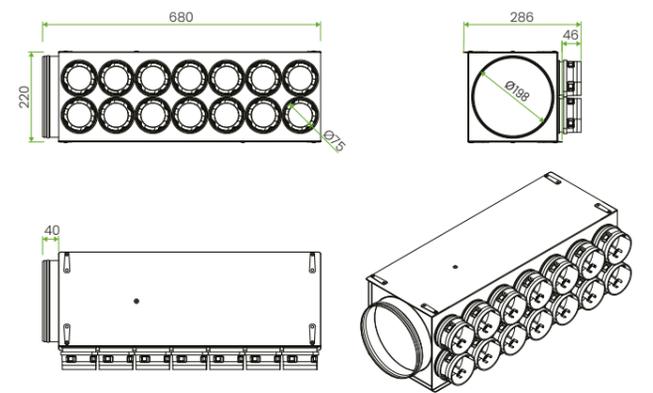
NCOR - Double-row angular distribution box 14x75/198 mm



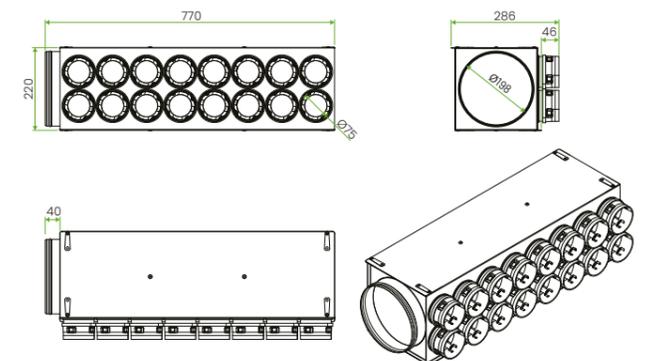
NCOU - Double-row angular distribution box 16x75/198 mm

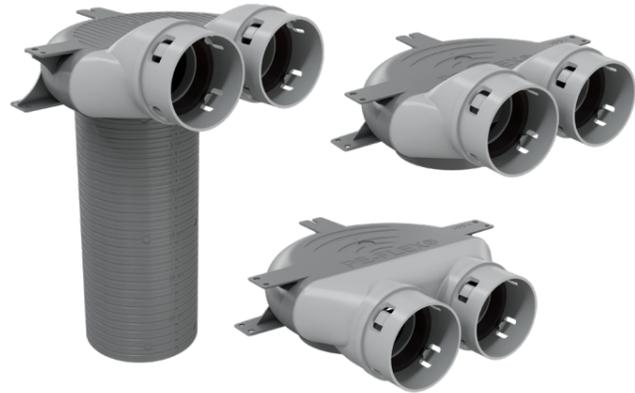


NCOS - Double-row directional distribution box 14x75/198 mm



NCOV - Double-row directional distribution box 16x75/198 mm





Description:

PEFLEX PP 2x75 plenum boxes are designed to connect two Ø75 mm ducts to a Ø125 mm spigot leading to an air diffuser in mechanical ventilation systems.

Their primary function is to reduce air velocity, which simultaneously balances and stabilizes the airflow, reduces noise, and ensures quiet, uniform system operation.

Variants are available for floor installation (within the screed) or ceiling installation (under the slab), in short socket, long socket (30 cm), or nipple extension versions. The long socket version is equipped with a 30 cm spigot designed for a 125 mm diameter air diffuser.

Manufactured using innovative technology, it ensures a constant internal diameter (125 mm) and external diameter (129 mm) across the entire length of the spigot.

Ø75 mm connectors featuring CLICK technology and integrated gaskets guarantee a fast and airtight duct connection. The welded body, with a height of just 60 mm, ensures high durability and convenient installation in confined spaces.

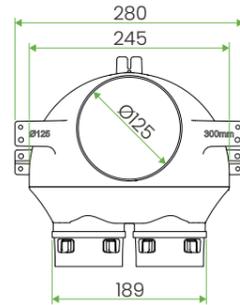
Unused inlets can be easily sealed with Ø75 end caps.

Technical Specifications:

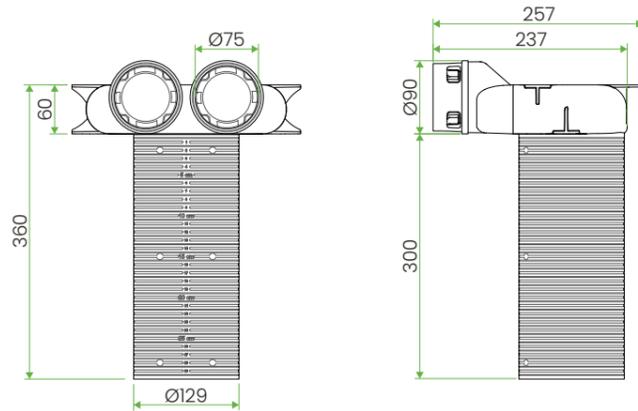
- **Material:** Polypropylene (PP)
- **Connector quantity and size:** 2xØ75 mm
- **Maximum airflow:** 60 m³/h
- **Connection system:** CLIK connectors with integrated gaskets
- **Diffuser spigot diameter:**
 - Socket-type: 125 mm (internal) / 129 mm (external)
 - Nipple-type (for extension): 125 mm (external)
- **Spigot length:**
 - Long-socket: 300 mm
 - Short-socket: 40 mm
 - Nipple: 40 mm
- **Installation:** Floor or ceiling (depending on the variant)

Dimensions:

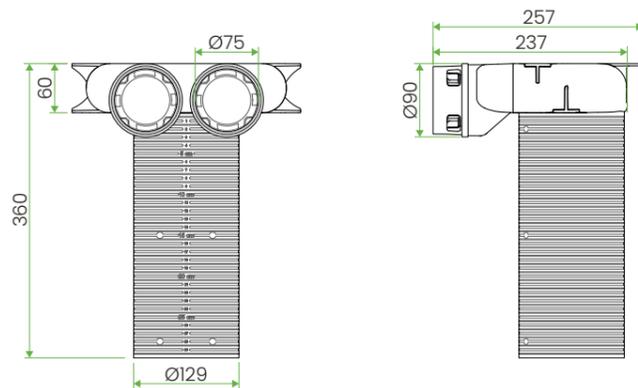
Long-socket variant
for direct installation of a Ø125 air diffuser



floor-mounted version

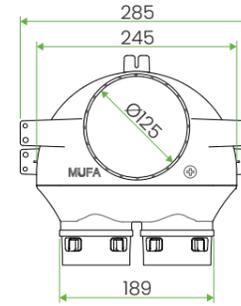


ceiling-mounted version

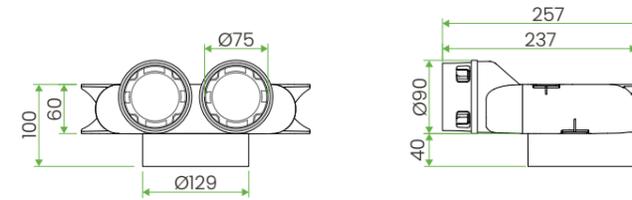


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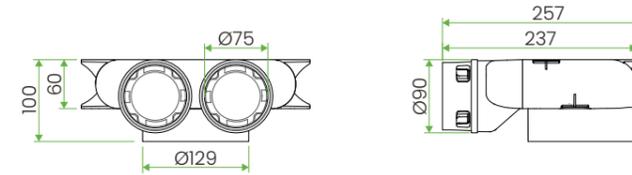
Short-socket variant
for direct installation of a Ø125 air diffuser



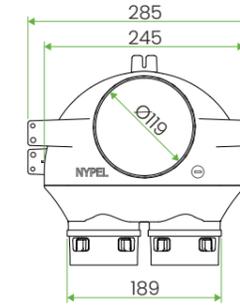
floor-mounted version



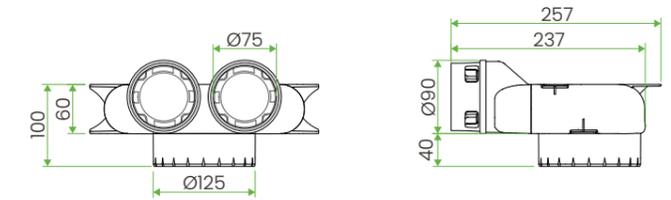
ceiling-mounted version



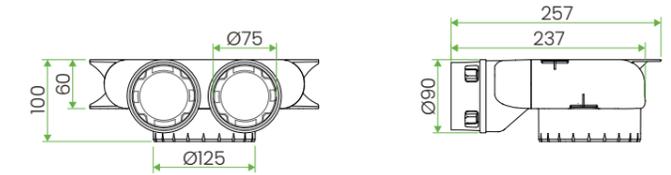
Nipple variant
for extension

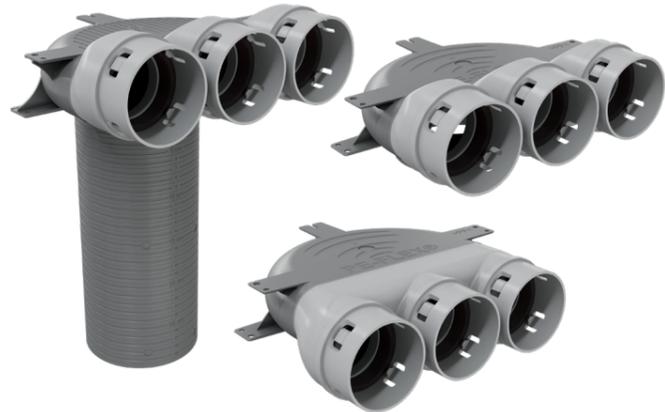


floor-mounted version



ceiling-mounted version





Description:

PEFLEX PP 3x75 plenum boxes are designed to connect three Ø75 mm ducts to a Ø125 mm spigot leading to an air diffuser in mechanical ventilation systems.

Their primary function is to reduce air velocity, which simultaneously balances and stabilizes the airflow, reduces noise, and ensures quiet, uniform system operation.

Variants are available for floor installation (within the screed) or ceiling installation (under the slab), in short socket, long socket (30 cm), or nipple extension versions. The long socket version is equipped with a 30 cm spigot designed for a 125 mm diameter air diffuser.

Manufactured using innovative technology, it ensures a constant internal diameter (125 mm) and external diameter (129 mm) across the entire length of the spigot.

Ø75 mm connectors featuring CLICK technology and integrated gaskets guarantee a fast and airtight duct connection. The welded body, with a height of just 60 mm, ensures high durability and convenient installation in confined spaces.

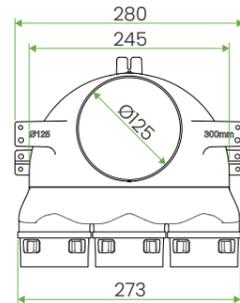
Unused inlets can be easily sealed with Ø75 end caps.

Technical specifications:

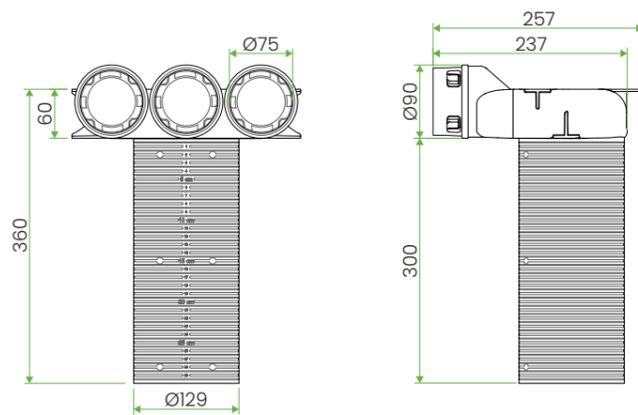
- **Material:** Polypropylene (PP)
- **Connector quantity and size:** 3xØ75 mm
- **Maximum airflow:** 90 m³/h
- **Connection system:** CLIK connectors with integrated gaskets
- **Diffuser spigot diameter:**
 - Socket-type: 125 mm (internal) / 129 mm (external)
 - Nipple-type (for extension): 125 mm (external)
- **Spigot length:**
 - Long-socket: 300 mm
 - Short-socket: 40 mm
 - Nipple: 40 mm
- **Installation:** Floor or ceiling (depending on the variant)

Dimensions:

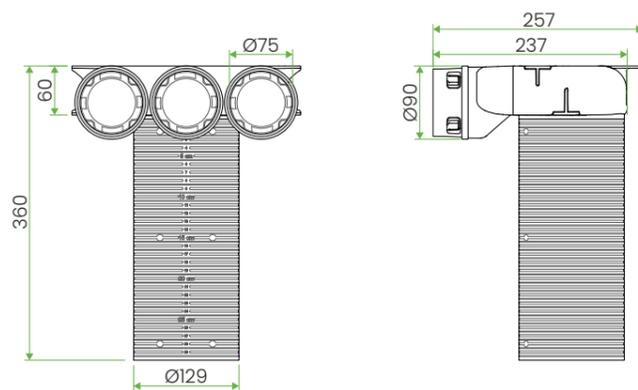
Long-socket variant
for direct installation of a Ø125 air diffuser



floor-mounted version

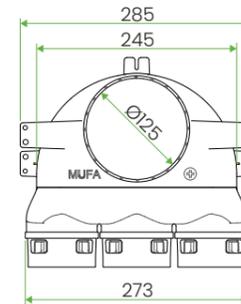


ceiling-mounted version

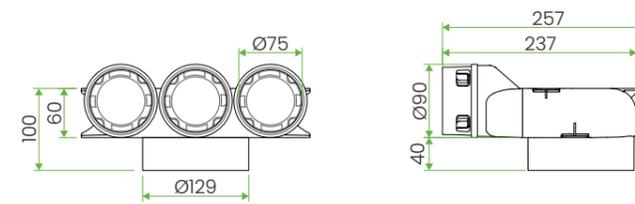


Dimensions (cont.):

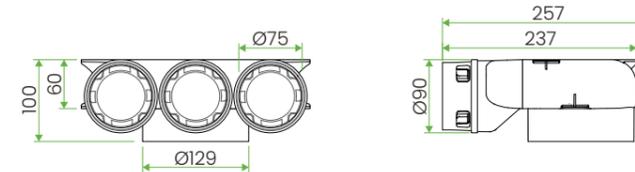
Short-socket variant
for direct installation of a Ø125 air diffuser



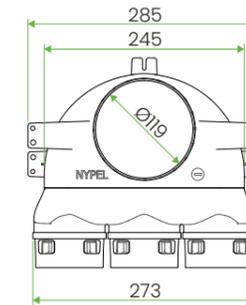
floor-mounted version



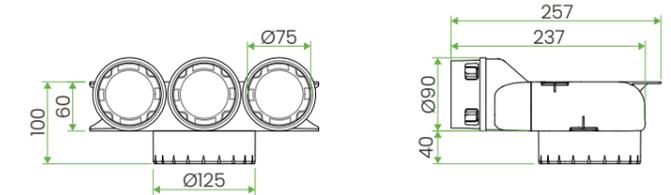
ceiling-mounted version



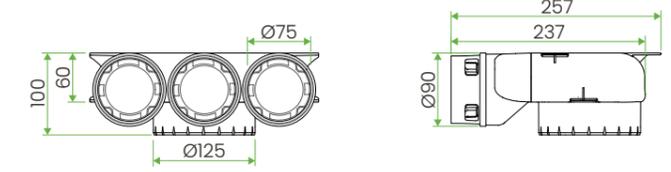
Nipple variant
for extension

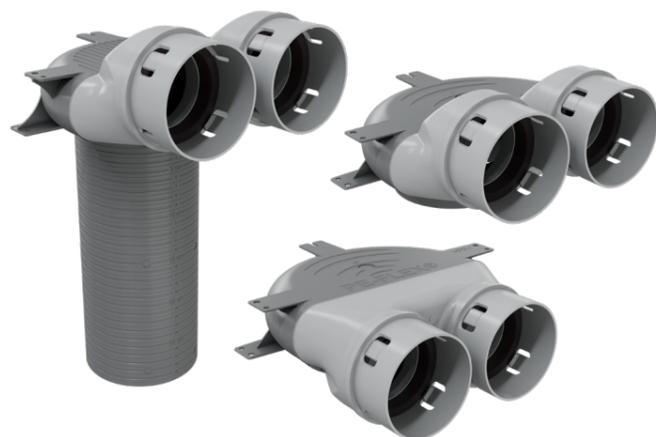


floor-mounted version



ceiling-mounted version





Description:

PEFLEX PP 2x90 plenum boxes are designed to connect two Ø90 mm ducts to a Ø125 mm spigot leading to an air diffuser in mechanical ventilation systems.

Their primary function is to reduce air velocity, which simultaneously balances and stabilizes the airflow, reduces noise, and ensures quiet, uniform system operation.

Variants are available for floor installation (within the screed) or ceiling installation (under the slab), in short socket, long socket (30 cm), or nipple extension versions. The long socket version is equipped with a 30 cm spigot designed for a 125 mm diameter air diffuser.

Manufactured using innovative technology, it ensures a constant internal diameter (125 mm) and external diameter (129 mm) across the entire length of the spigot.

Ø90 mm connectors featuring CLICK technology and integrated gaskets guarantee a fast and airtight duct connection. The welded body, with a height of just 60 mm, ensures high durability and convenient installation in confined spaces.

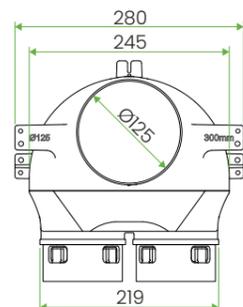
Unused inlets can be easily sealed with Ø90 end caps.

Technical specifications:

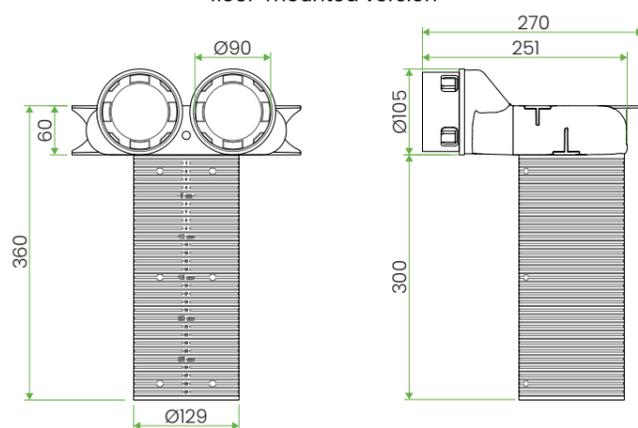
- **Material:** Polypropylene (PP)
- **Connector quantity and size:** 2xØ90 mm
- **Maximum airflow:** 90 m³/h
- **Connection system:** CLIK connectors with integrated gaskets
- **Diffuser spigot diameter:**
 - Socket-type: 125 mm (internal) / 129 mm (external)
 - Nipple-type (for extension): 125 mm (external)
- **Spigot length:**
 - Long-socket: 300 mm
 - Short-socket: 40 mm
 - Nipple: 40 mm
- **Installation:** Floor or ceiling (depending on the variant)

Dimensions:

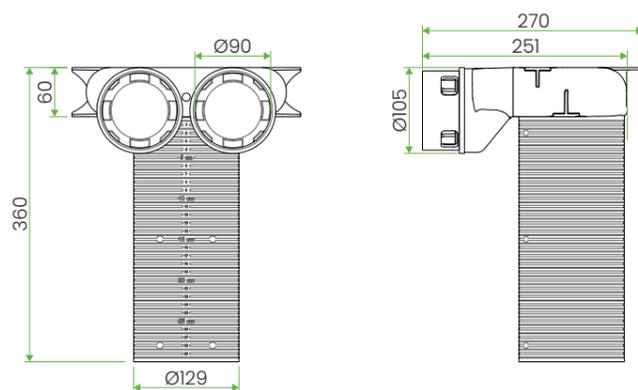
Long-socket variant
for direct installation of a Ø125 air diffuser



floor-mounted version



ceiling-mounted version



Description:

PEFLEX PP 5x50 plenum boxes are designed to connect five Ø50 mm ducts to a Ø125 mm spigot leading to an air diffuser in mechanical ventilation systems.

Their primary function is to reduce air velocity, which simultaneously balances and stabilizes the airflow, reduces noise, and ensures quiet, uniform system operation.

They are available in a universal version for floor and ceiling mounting, with long socket, short socket, and nipple extension variants. The long socket version features a 30 cm long spigot designed for a 125 mm diameter air diffuser. Manufactured using innovative technology, it ensures a constant internal diameter (125 mm) and external diameter (129 mm) across the entire length of the spigot.

Thanks to its ultra-low profile body height of just 60 mm, the box is ideal for buildings with limited floor insulation depth (50–60 mm). The Ø50 mm connectors, featuring integrated gaskets and the CLICK system, guarantee a fast and airtight duct connection, while the welded construction ensures high durability.

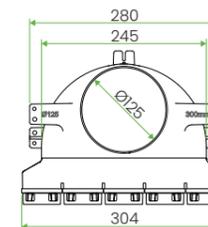
Unused inlets can be easily sealed with Ø50 end caps.

Technical Specifications:

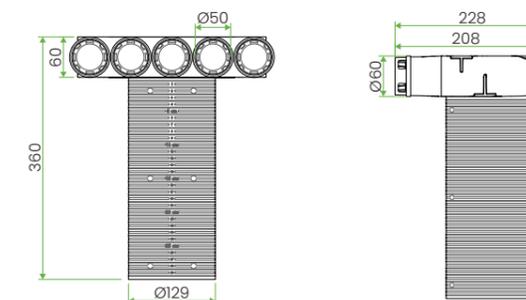
- **Material:** Polypropylene (PP)
- **Connector quantity and size:** 5xØ50 mm
- **Maximum airflow:** 60 m³/h
- **Connection system:** CLIK connectors with integrated gaskets
- **Diffuser spigot diameter:**
 - Socket-type: 125 mm (internal) / 129 mm (external)
 - Nipple-type (for extension): 125 mm (external)
- **Spigot length:**
 - Long-socket: 300 mm
 - Short-socket: 40 mm
 - Nipple: 40 mm
- **Mounting:** Universal – floor and ceiling

Dimensions:

Long-socket variant
for direct installation of a Ø125 air diffuser

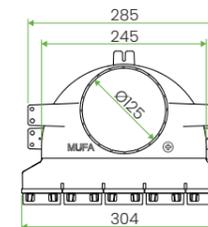


floor-mounted version / ceiling-mounted version

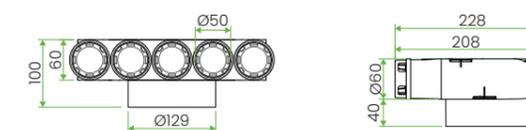


Short-socket variant

for direct installation of a Ø125 air diffuser

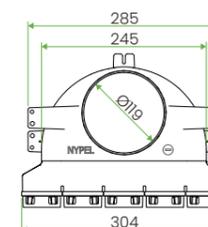


floor-mounted version / ceiling-mounted version

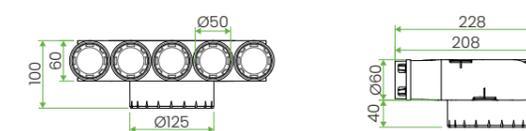


Nipple variant

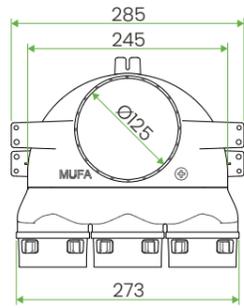
for extension



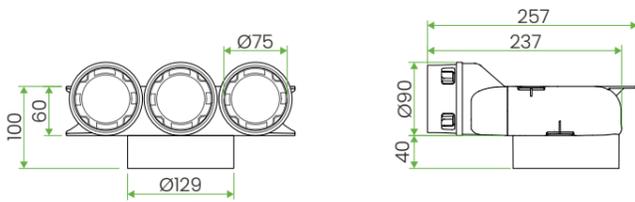
floor-mounted version / ceiling-mounted version



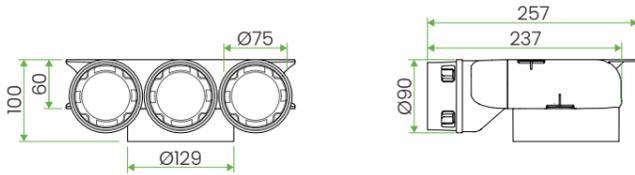
Short-socket variant
for direct installation of a Ø125 air diffuser



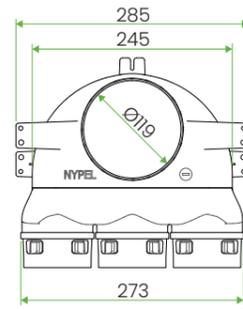
floor-mounted version



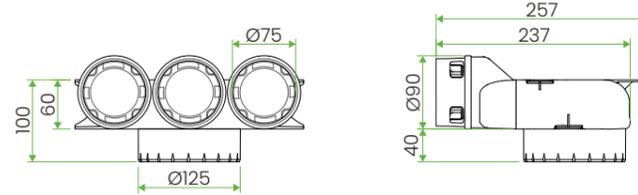
ceiling-mounted version



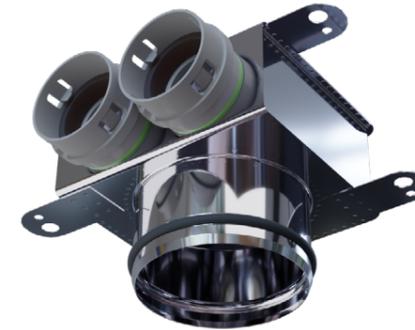
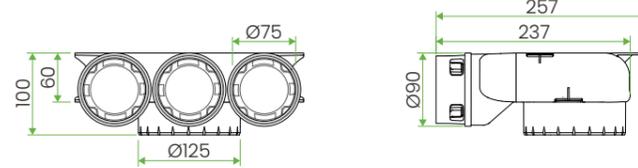
Nipple variant
for extension



floor-mounted version



ceiling-mounted version



Description:

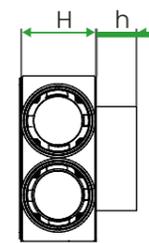
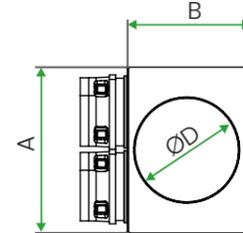
Stainless steel plenum boxes are equipped with high-quality plastic connectors in the CLICK system. These feature integrated gaskets, which significantly accelerate installation and guarantee system airtightness.

PEFLEX INOX Ø50 plenum boxes are designed for the installation of PEFLEX round ventilation ducts with an external diameter of 50 mm. Each box is equipped with mounting brackets featuring Ø6.3 mm and Ø8.4 mm mounting holes.

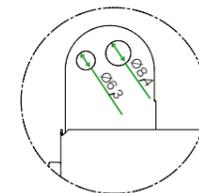
Angular PEFLEX INOX plenum boxes are available in two variants:

- Socket type: for direct connection of diffusers Ø100, Ø125, or Ø160.
- Nipple type: for connecting extension ducts with internal diameters 100, 125, or 160 mm.

Dimensions:



mounting bracket



Nipple-Type Plenum Boxes (for extension)							
	Product code	Connector quantity	øD (hole diameter) [mm]	A (length) [mm]	B (width) [mm]	H (height) [mm]	h (spigot height) [mm]
for ø100 air diffusers	1x50/98	1	98	140	125	59	53
	2x50/98	2		140			
	3x50/98	3		190			
	4x50/98	4		250			
for ø125 air diffusers	1x50/123	1	123	150	150	59	53
	2x50/123	2		150			
	3x50/123	3		190			
	4x50/123	4		250			
	5x50/123	5		310			
	6x50/123	6		370			
for ø160 air diffusers	3x50/158	3	158	190	190	59	53
	4x50/158	4		250			
	5x50/158	5		310			
	6x50/158	6		370			

Socket-Type Plenum Boxes (direct diffuser connection)							
	Product code	Connector quantity	øD (hole diameter) [mm]	A (length) [mm]	B (width) [mm]	H (height) [mm]	h (spigot height) [mm]
for ø100 air diffusers	1x50/100	1	100	140	125	59	53
	2x50/100	2		310			
	3x50/100	3		310			
	4x50/100	4		250			
for ø125 air diffusers	1x50/125	1	125	150	150	59	53
	2x50/125	2		150			
	3x50/125	3		190			
	4x50/125	4		250			
	5x50/125	5		310			
	6x50/125	6		370			
for ø160 air diffusers	3x50/160	3	160	190	190	59	53
	4x50/160	4		250			
	5x50/160	5		310			
	6x50/160	6		370			

Description:

Stainless steel plenum boxes are equipped with high-quality plastic connectors in the CLICK system. These feature integrated gaskets, which significantly accelerate installation and guarantee system airtightness.

PEFLEX INOX Ø75 plenum boxes are designed for the installation of PEFLEX round ventilation ducts with an external diameter of 75 mm. Each box is equipped with mounting brackets featuring Ø6.3 mm and Ø8.4 mm mounting holes.

Angular PEFLEX INOX plenum boxes are available in two variants:

- Socket type: for direct connection of diffusers Ø100, Ø125, or Ø160.
- Nipple type: for connecting extension ducts with internal diameters 100, 125, or 160 mm.



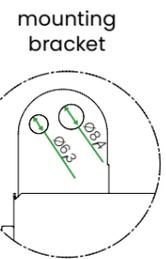
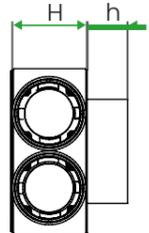
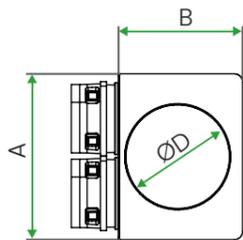
Stainless steel plenum boxes are equipped with high-quality plastic connectors in the CLICK system. These feature integrated gaskets, which significantly accelerate installation and guarantee system airtightness.

PEFLEX INOX Ø90 plenum boxes are designed for the installation of PEFLEX round ventilation ducts with an external diameter of 90 mm. Each box is equipped with mounting brackets featuring Ø6.3 mm and Ø8.4 mm mounting holes.

Angular PEFLEX INOX plenum boxes are available in two variants:

- Socket type: for direct connection of diffusers Ø100, Ø125, or Ø160.
- Nipple type: for connecting extension ducts with internal diameters 100, 125, or 160 mm.

Dimensions:



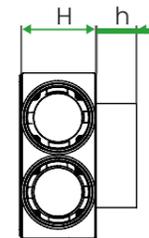
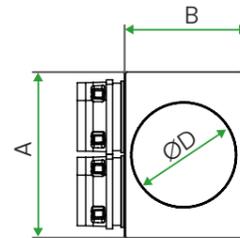
Nipple-Type Plenum Boxes (for extension)

	Product code	Connector quantity	øD (hole diameter) [mm]	A (length) [mm]	B (width) [mm]	H (height) [mm]	h (spigot height) [mm]
for ø100 air diffusers	1x75/98	1	98	140	130	83	53
	2x75/98	2		200			
	3x75/98	3		290			
for ø125 air diffusers	1x75/123	1	123	170	150	83	53
	2x75/123	2		200			
	3x75/123	3		290			
	4x75/123	4		380			
for ø160 air diffusers	1x75/158	1	158	200	190	83	53
	2x75/158	2		200			
	3x75/158	3		290			
	4x75/158	4		380			

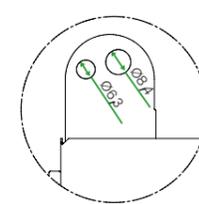
Socket-Type Plenum Boxes (direct diffuser connection)

	Product code	Connector quantity	øD (hole diameter) [mm]	A (length) [mm]	B (width) [mm]	H (height) [mm]	h (spigot height) [mm]
for ø100 air diffusers	1x75/100	1	100	140	130	83	53
	2x75/100	2		200			
	3x75/100	3		290			
for ø125 air diffusers	1x75/125	1	125	170	150	83	53
	2x75/125	2		200			
	3x75/125	3		290			
	4x75/125	4		380			
for ø160 air diffusers	1x75/160	1	160	200	190	83	53
	2x75/160	2		200			
	3x75/160	3		290			
	4x75/160	4		380			

Dimensions:



mounting bracket

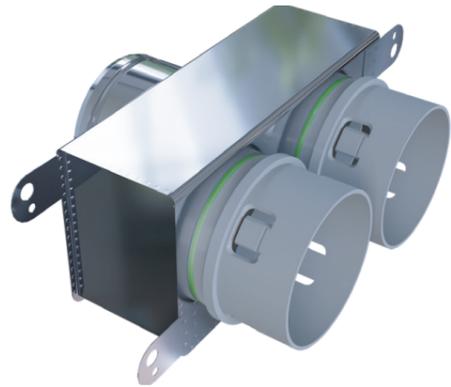


Nipple-Type Plenum Boxes (for extension)

	Product code	Connector quantity	øD (hole diameter) [mm]	A (length) [mm]	B (width) [mm]	H (height) [mm]	h (spigot height) [mm]
for ø100 air diffusers	1x90/98	1	98	145	125	100	53
	2x90/98	2		230			
for ø125 air diffusers	1x90/123	1	123	160	150	100	53
	2x90/123	2		230			
for ø160 air diffusers	2x90/158	2	158	230	190	100	53
	3x90/158	3		340			

Socket-Type Plenum Boxes (direct diffuser connection)

	Product code	Connector quantity	øD (hole diameter) [mm]	A (length) [mm]	B (width) [mm]	H (height) [mm]	h (spigot height) [mm]
for ø100 air diffusers	1x90/100	1	100	145	125	100	53
	2x90/100	2		230			
for ø125 air diffusers	1x90/125	1	125	160	150	100	53
	2x90/125	2		230			
for ø160 air diffusers	2x90/160	2	160	230	190	100	53
	3x90/160	3		340			



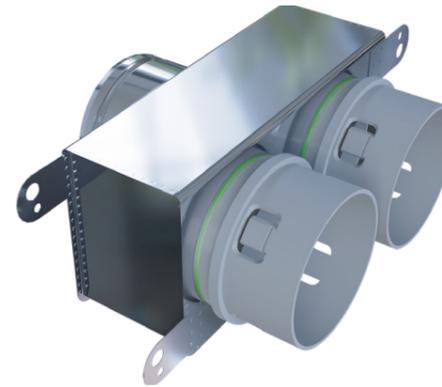
Description:

Stainless steel plenum boxes are equipped with high-quality plastic connectors in the CLICK system. These feature integrated gaskets, which significantly accelerate installation and guarantee system airtightness.

PEFLEX INOX Ø75 plenum boxes are designed for the installation of PEFLEX round ventilation ducts with an external diameter of 75 mm. Each box is equipped with mounting brackets featuring Ø6.3 mm and Ø8.4 mm mounting holes.

Straight-through PEFLEX INOX plenum boxes are available in two variants:

- Socket type: for direct connection of diffusers Ø100, Ø125, or Ø160.
- Nipple type: for connecting extension ducts with internal diameters 100, 125, or 160 mm.



Description:

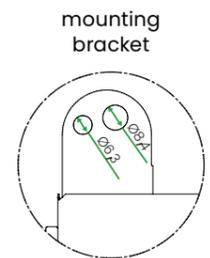
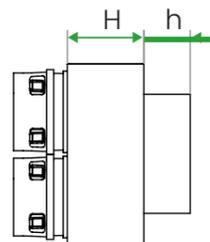
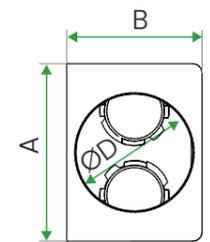
Stainless steel plenum boxes are equipped with high-quality plastic connectors in the CLICK system. These feature integrated gaskets, which significantly accelerate installation and guarantee system airtightness.

PEFLEX INOX Ø90 plenum boxes are designed for the installation of PEFLEX round ventilation ducts with an external diameter of 90 mm. Each box is equipped with mounting brackets featuring Ø6.3 mm and Ø8.4 mm mounting holes.

Straight-through PEFLEX INOX plenum boxes are available in two variants:

- Socket type: for direct connection of diffusers Ø100, Ø125, or Ø160.
- Nipple type: for connecting extension ducts with internal diameters 100, 125, or 160 mm.

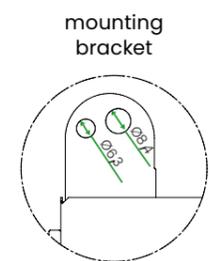
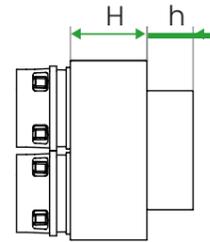
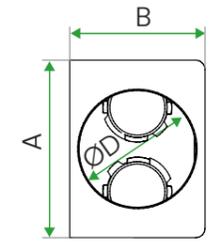
Dimensions:



Nipple-Type Plenum Boxes (for extension)							
	Product code	Connector quantity	øD (hole diameter) [mm]	A (length) [mm]	B (width) [mm]	H (height) [mm]	h (spigot height) [mm]
for ø100 air diffusers	1x75/98	1	98	140	120	83	53
	2x75/98	21		190			
	3x75/98	3		280			
for ø125 air diffusers	1x75/123	1	123	170	145	83	53
	2x75/123	2		190			
	3x75/123	3		280			
for ø160 air diffusers	1x75/158	1	158	200	180	83	53
	2x75/158	2		200			
	3x75/158	3		280			

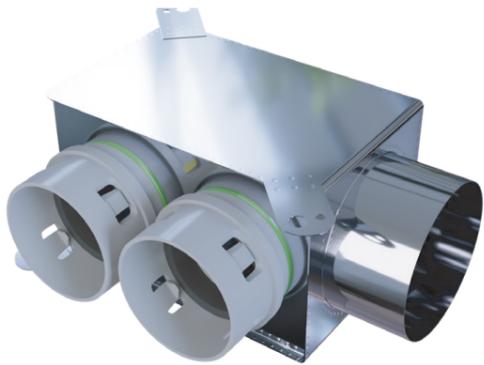
Socket-Type Plenum Boxes (direct diffuser connection)							
	Product code	Connector quantity	øD (hole diameter) [mm]	A (length) [mm]	B (width) [mm]	H (height) [mm]	h (spigot height) [mm]
for ø100 air diffusers	1x75/100	1	100	140	120	83	53
	2x75/100	2		190			
	3x75/100	3		280			
for ø125 air diffusers	1x75/125	1	125	170	145	83	53
	2x75/125	2		190			
	3x75/125	3		280			
for ø160 air diffusers	1x75/160	1	160	200	180	83	53
	2x75/160	2		200			
	3x75/160	3		280			

Dimensions:



Nipple-Type Plenum Boxes (for extension)							
	Product code	Connector quantity	øD (hole diameter) [mm]	A (length) [mm]	B (width) [mm]	H (height) [mm]	h (spigot height) [mm]
for ø100 air diffusers	1x90/98	1	98	140	120	100	53
	2x90/98	2		230			
for ø125 air diffusers	1x90/123	1	123	170	145	100	53
	2x90/123	2		230			
for ø160 air diffusers	2x90/158	2	158	230	180	100	53
	3x90/158	3		340			

Socket-Type Plenum Boxes (direct diffuser connection)							
	Product code	Connector quantity	øD (hole diameter) [mm]	A (length) [mm]	B (width) [mm]	H (height) [mm]	h (spigot height) [mm]
for ø100 air diffusers	1x90/100	1	100	140	120	100	53
	2x90/100	2		230			
for ø125 air diffusers	1x90/125	1	125	170	145	100	53
	2x90/125	2		230			
for ø160 air diffusers	2x90/160	2	160	230	180	100	53
	3x90/160	3		340			



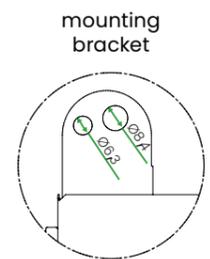
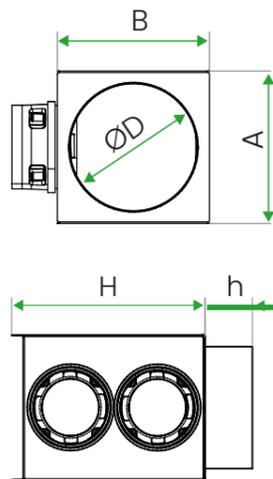
Description:

Stainless steel plenum boxes are equipped with high-quality plastic connectors in the CLICK system. These feature integrated gaskets, which significantly accelerate installation and guarantee system airtightness.

PEFLEX INOX Ø75 plenum boxes are designed for the installation of PEFLEX round ventilation ducts with an external diameter of 75 mm. Each box is equipped with mounting brackets featuring Ø6.3 mm and Ø8.4 mm mounting holes.

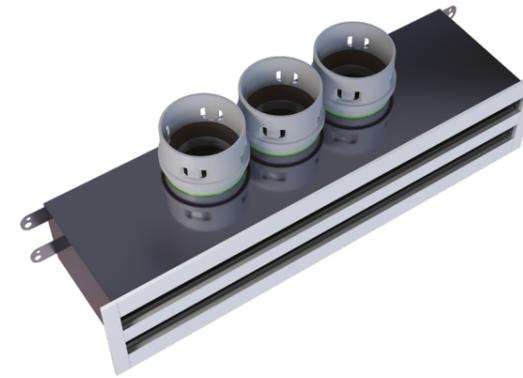
Directional PEFLEX INOX plenum boxes are available in two variants:
 - Socket type: for direct connection of diffusers Ø100, Ø125, or Ø160.
 - Nipple type: for connecting extension ducts with internal diameters 100, 125, or 160 mm.

Dimensions:



Nipple-Type Plenum Boxes (for extension)						
	Product code	Connector quantity	øD (hole diameter) [mm]	A (length) [mm]	B (width) [mm]	H (height) [mm]
for ø100 air diffusers	1x75/98	1	98	120	130	100
	2x75/98	2				200
	3x75/98	3				290
for ø125 air diffusers	1x75/123	1	123	150	150	100
	2x75/123	2				200
	3x75/123	3				290
for ø160 air diffusers	1x75/158	1	158	190	190	100
	2x75/158	2				200
	3x75/158	3				290

Socket-Type Plenum Boxes (direct diffuser connection)						
	Product code	Connector quantity	øD (hole diameter) [mm]	A (length) [mm]	B (width) [mm]	H (height) [mm]
for ø100 air diffusers	1x75/100	1	100	120	130	100
	2x75/100	2				200
	3x75/100	3				290
for ø125 air diffusers	1x75/125	1	125	150	150	100
	2x75/125	2				200
	3x75/125	3				290
for ø160 air diffusers	1x75/160	1	160	190	190	100
	2x75/160	2				200
	3x75/160	3				290



Description:

Plenum boxes made of INOX stainless steel, equipped with connectors featuring the PEFLEX CLICK system and factory-integrated gaskets. Dedicated to the installation of slot diffusers, they ensure high airtightness and system durability. Available in angular and straight-through versions, compatible with PEFLEX ventilation ducts in Ø50, Ø75, and Ø90 mm diameters.

Technical features:

- Dimensions (H × L × W): 90 × 495 × 145 mm, plus connectors and mounting brackets
- Material: INOX Stainless steel – resistant to corrosion and operational conditions
- Intended use: Slot diffusers, mounted using four screws (included with the diffuser)
- Connectors Ø50, Ø75, Ø90 mm with gaskets and PEFLEX CLICK system – enables quick, tight duct connections without additional sealing materials
- Available in angled or straight-through versions
- Unused connectors should be sealed with appropriate caps

Application:

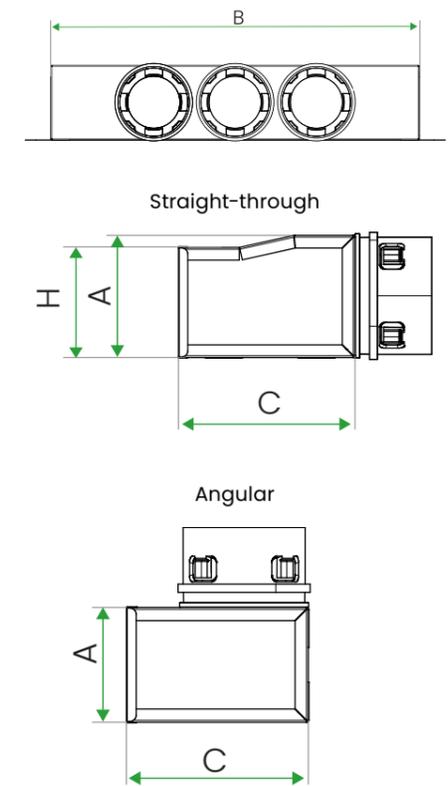
Designed for air supply and exhaust in mechanical ventilation systems with heat recovery. They enable fast and secure installation of slot diffusers in ventilation systems – both in new builds and during modernization projects.

Variants:

- 7 × Ø50 mm
- 3 × Ø75 mm
- 4 × Ø75 mm
- 2 × Ø90 mm
- 3 × Ø90 mm

Box types: Angular / Straight-through

Dimensions:

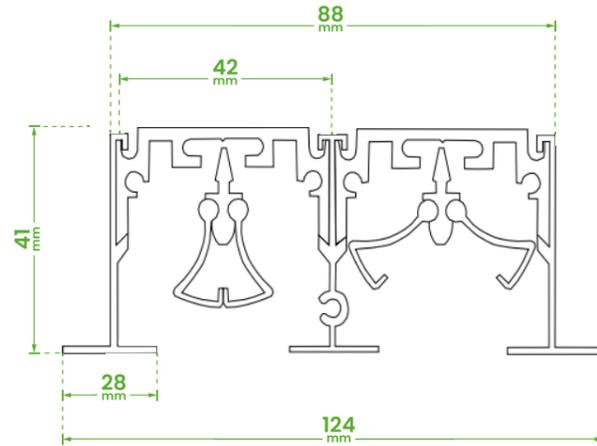


Straight-through				
	Height (A)	Length (B)	Width (C)	Height (H)
7x50	90	495	145	90
3x75				
4x75				
2x90	100	495	145	90
3x90				

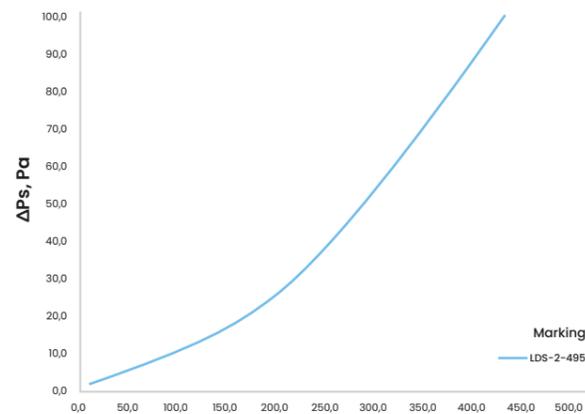
Angular			
	Height (A)	Length (B)	Width (C)
7x50	90	500	145
3x75			
4x75			
2x90			
3x90			



Dimensions:



Aerodynamic Characteristics:



Air throw ranges:

Diffuser Code	Airflow rate qv, m³/h	Maximum vertical throw Ly, m	Maximum horizontal throw Lx, m
LDS-2-495	50	1,0	0,7
	100	2,5	1,7

Descriptions:

Linear slot diffusers are designed for air supply in ventilation systems and are particularly suitable for wall or vertical installations. Each slot features independent blades, allowing easy adjustment of the airflow direction.

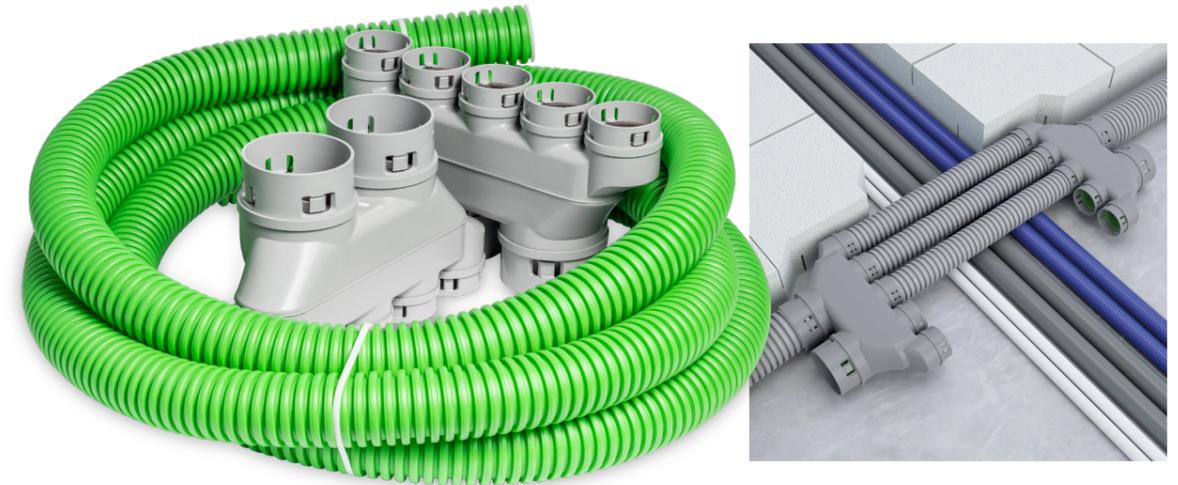
Technical features:

- Total length: 530 mm
- Internal length: 495 mm
- Material: Aluminium + plastic
- Color: White RAL 9016, glossy (powder-coated)
- Included: 4 mounting screws

Application:

- Supply ventilation systems
- Air supply to rooms
- Wall mounting and vertical installations
- Mounting in angular or straight-through plenum boxes
- Adjustable airflow direction
- For indoor use only

An adaptor set for collision-free crossing of ventilation ducts or crossing ducts with other utility installations, designed to facilitate the assembly of the ventilation system.



Description:

Complete adaptor sets for duct crossings or passing over other installations, including: adaptor pieces, end caps, and ventilation ducts.

The set allows PEFLEX flexible ventilation ducts to cross each other without exceeding the thickness of the insulation layer in the floor.

It enables PEFLEX ventilation ducts to cross other utility installations without the need for any modifications.

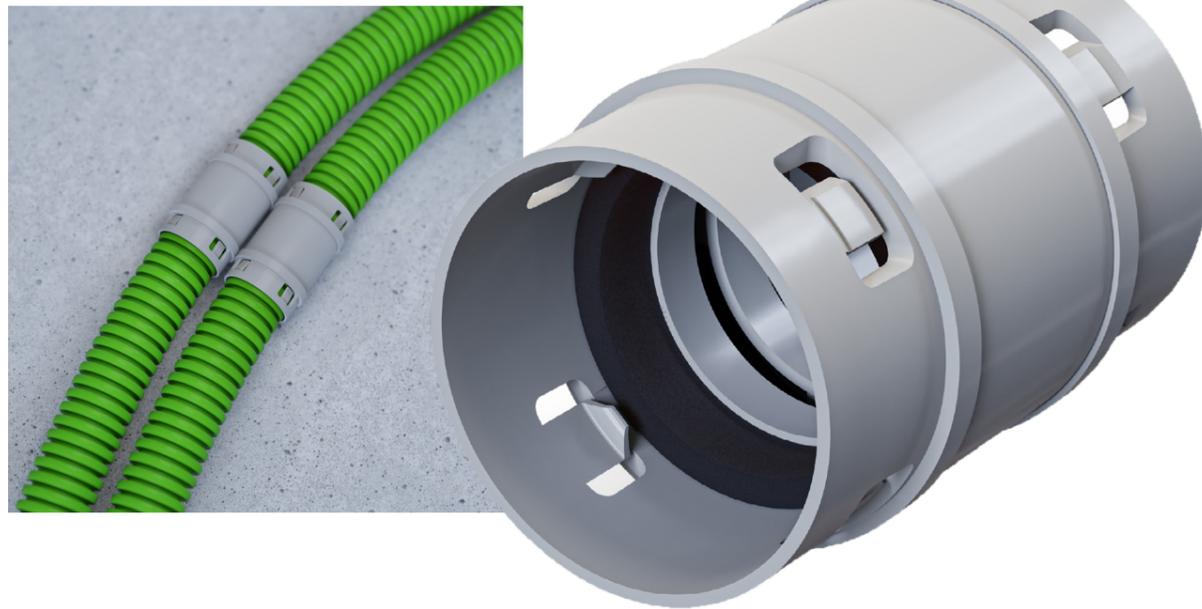
The crossover connectors are made of high-quality plastic and feature factory-integrated gaskets along with the CLICK mounting system. This significantly accelerates installation and guarantees full airtightness of the system.

End caps can be used to create different configurations of the sets.

Variants:

Set 1		Set 2		Set 3		Set 4	
2 pcs × 5×50 / 2×75	2 pcs × 5×50 / 2×75	1 pc × 5×50 / 2×75	2 pcs × 2×90 / 3×75	2 pcs × 2×90 / 3×75	1 pc × 2×90 / 3×75		
PEFLEX Standard Ø50 mm duct – 5m roll	PEFLEX Spectra 1000 Ø50 mm duct – 5m roll	End cap Ø50 mm – 2 pcs End cap Ø75 mm – 1 pc	PEFLEX Standard Ø75 mm duct – 3m roll	PEFLEX Spectra 1000 Ø75 mm duct – 3m roll	End cap Ø75 mm – 1 pc		
End cap Ø50 mm – 4 pcs End cap Ø75 mm – 2 pcs	End cap Ø50 mm – 4 pcs End cap Ø75 mm – 2 pcs		End cap Ø75 mm – 2 pcs End cap Ø90 mm – 2 pcs	End cap Ø75 mm – 2 pcs End cap Ø90 mm – 2 pcs	End cap Ø90 mm – 1 pc		

System couplers for connecting PEFLEX flexible ventilation ducts, featuring integrated gaskets and the CLICK mounting system. They ensure high airtightness and a durable connection between two duct sections. No additional gaskets or sealing tapes are required.



Description:

Available in three sizes compatible with PEFLEX ventilation ducts: Ø50, Ø75, and Ø90.

Made from durable plastic, allowing installation within floor insulation layers.

They feature factory-integrated gaskets and the CLICK mounting system, which significantly accelerates installation and guarantees system airtightness.

The special latch design prevents the ventilation ducts from disconnecting.

They also allow for the efficient use of short duct offcuts.

Variants:

Outer duct diameter	Ø50	Ø75	Ø90
---------------------	-----	-----	-----

PEFLEX duct cutters allow for fast and precise trimming of ventilation ducts. They significantly streamline the installation of the ventilation system and ensure a tight connection between ducts and couplings in plenum boxes and distribution boxes.



Description:

They are available in three sizes tailored to the diameter of the ventilation ducts.

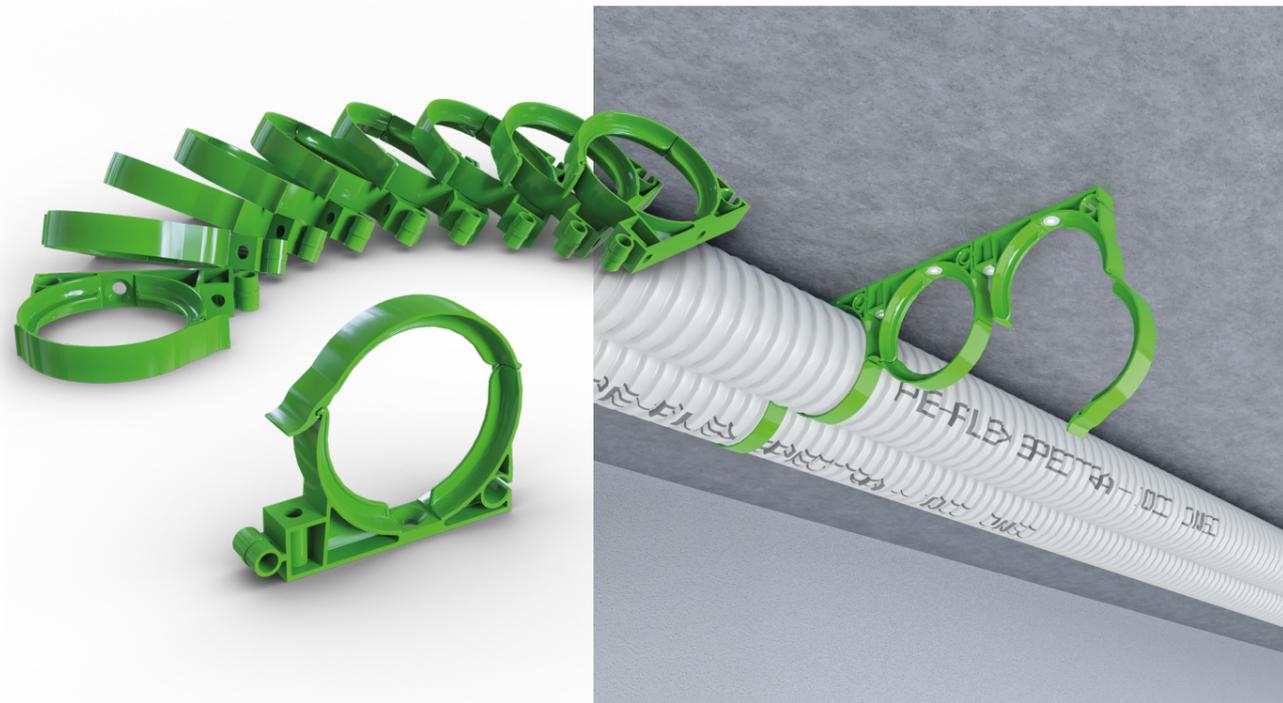
They guarantee fast and precise cutting of PEFLEX ducts, which in turn ensures the airtightness of the entire installation.

They facilitate and significantly reduce overall installation time.

Variants:

Outer duct diameter	Ø50	Ø75	Ø90
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Specially designed clamps for PEFLEX flexible ventilation ducts allow for their fast installation on ceilings and walls. They can be connected in series using a tongue-and-groove system, enabling the parallel mounting of even a dozen or more ventilation ducts.



Description:

Dedicated clamps make it possible to install a PEFLEX ventilation system easily, even by a single person.

They allow for significant time savings during the installation of the entire system.

Mounting holes allow the clamps to be secured to the surface using wall plugs or screws.

They are designed for flexible ventilation ducts with an external diameter of 75 mm.

Variants:

Outer duct diameter	Color
75 mm	green

PEFLEX damper-silencers, installed directly upstream of the air diffuser, provide smooth airflow regulation and noise reduction in ventilation systems. They are suitable for both supply and exhaust air ducts.



Description:

They allow for convenient and smooth airflow adjustment without the need to remove the damper from the ventilation duct. It is enough to rotate the bottom ring to reveal the bypass holes.

They are particularly useful when the airflow at a given point is too high and regulation with the air diffuser is either impossible or generates excessive noise.

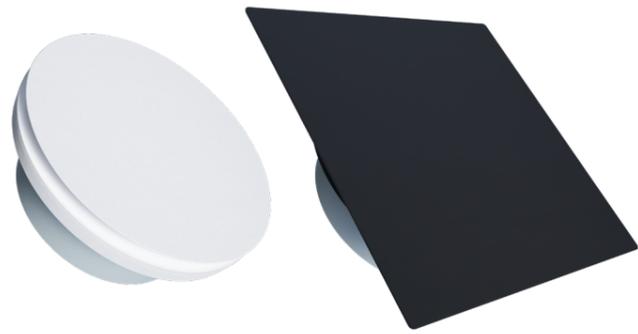
They are equipped with additional pass-through holes intended for removal in case the user wants to achieve maximum airflow.

They are made of a special flexible acoustic foam with very high damping properties.

They are very easy to install directly in front of the diffuser.

Variants:

Diameter	Thickness
100/125/160 mm	40 mm



Description:

PEFLEX Premium supply and extract air diffusers are designed for mechanical ventilation systems. They enable adjustable air supply and exhaust while ensuring even air distribution within a room. The availability of various shapes and colors allows the air diffusers to match both functional and aesthetic requirements. Suitable for residential and commercial buildings.

Technical features:

- Application: Mechanical supply and exhaust ventilation
- Function: Adjustable air supply and extraction
- Material: UV-resistant plastic
- Adjustment: Adjustable central disc – smooth airflow control
- Noise Level: Low
- Installation: Push-fit into a mounting frame with a gasket
- Removal: Quick disassembly for easy cleaning
- Shape: Round / Square
- Color: White / Black
- Included Accessories: Distance sleeve

Application:

The product is designed for ceiling mounting in plenum boxes with a Ø125 mm spigot or directly in ventilation ducts with an internal diameter of Ø125 mm. These air diffusers can be used in both supply and exhaust systems, ensuring efficient air exchange and even distribution throughout the rooms.

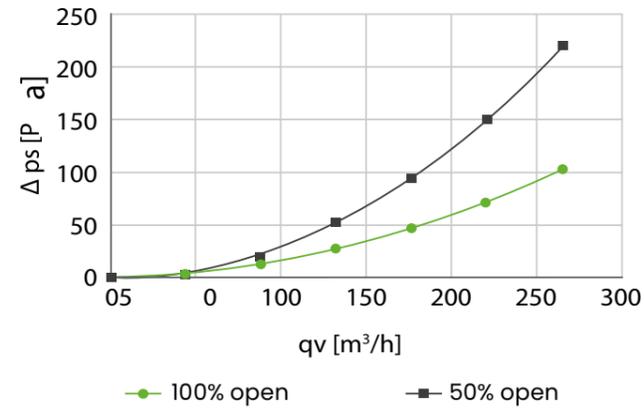
Intended for indoor use.

Variants:

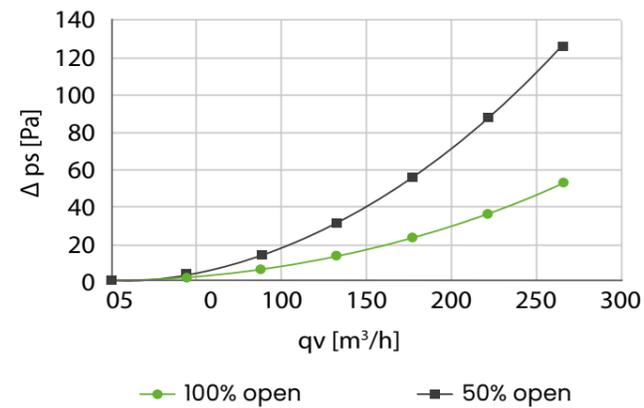
- Shape: round / square
- Color: white / black

Technical data:

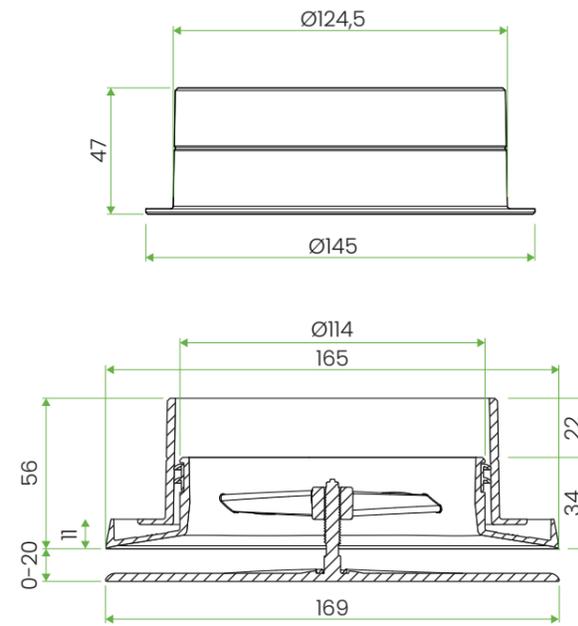
Supply air aerodynamic characteristics of PEFLEX PREMIUM diffusers Ø125 mm



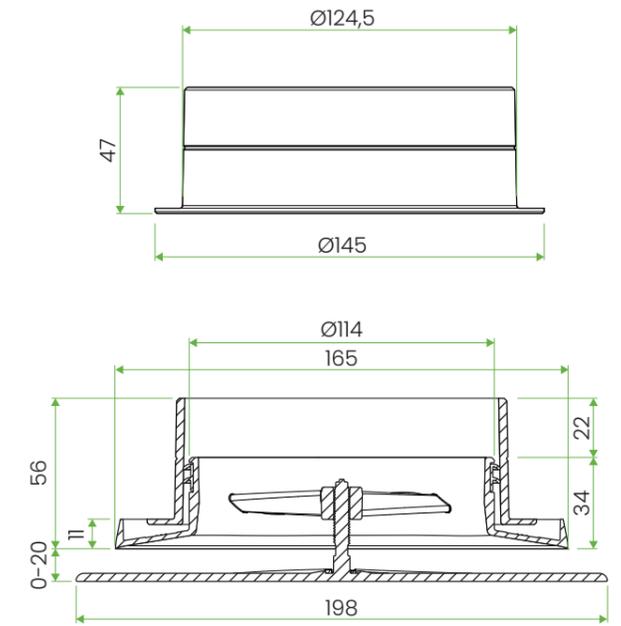
Exhaust air aerodynamic characteristics of PEFLEX PREMIUM diffusers Ø125 mm



Round plate air diffuser



Square plate air diffuser



Conical filters are installed directly inside the air diffuser to protect the ventilation ducts from contamination. The conical shape reduces pressure drops while maintaining a large filtration surface area.



Description:

They provide protection against contamination of the exhaust air ducts and the entire heat recovery system.

They are made of G3-class cone-shaped filter fabric, which effectively traps contaminants such as dust, insects, and grease.

The conical filters significantly extend the working time of the filters used in the recuperator.

Direct installation above the diffuser allows for easy access and filter replacement.

Variants:

Diameter	80 mm	100 mm	125 mm	160 mm	200mm
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Description:

The PEFLEX Air Inlet/Outlet grilles are aesthetic and durable terminations for mechanical ventilation systems with heat recovery (HRV). As a visible element mounted on the building facade or soffit, they combine modern design with high-quality stainless steel craftsmanship. They offer functionality, aesthetics, and weather resistance, providing a seamless finish to the ventilation system.

Technical features:

- Available Diameters: Ø160, Ø200, Ø250, Ø315 mm
- Colors: Inox (Brushed stainless steel), Anthracite (RAL 7016), Black (RAL 9005), White (RAL 9016)
- Material: Chromium-nickel steel (0.5–0.8 mm thickness)
- Application: Indoor and outdoor installation
- Function: External air inlet or outlet for ventilation systems
- Mounting Collar: Long (60 mm), equipped with a double-lip gasket
- Mounting Holes: 4 holes located in the corners of the grille

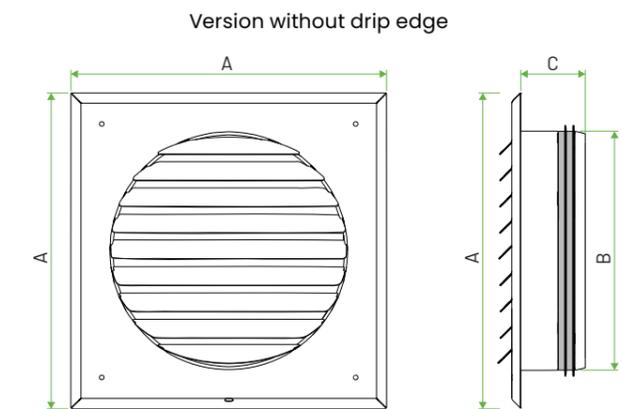
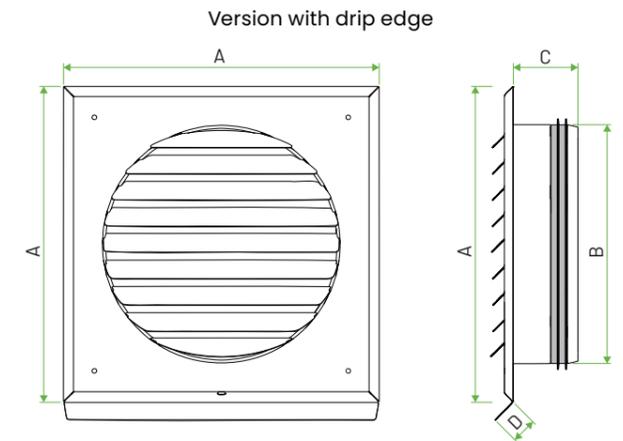
Application:

Fresh air inlet or stale air outlet for mechanical ventilation systems with heat recovery (HRV).

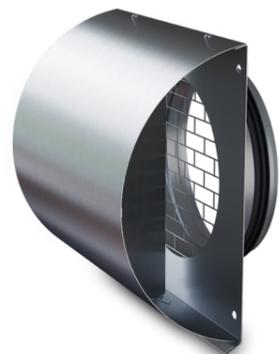
Variants:

- Diameters: Ø160, Ø200, Ø250, Ø315 mm
- Colors: inox (brushed stainless steel), anthracite, black, white
- With drip edge / Without drip edge

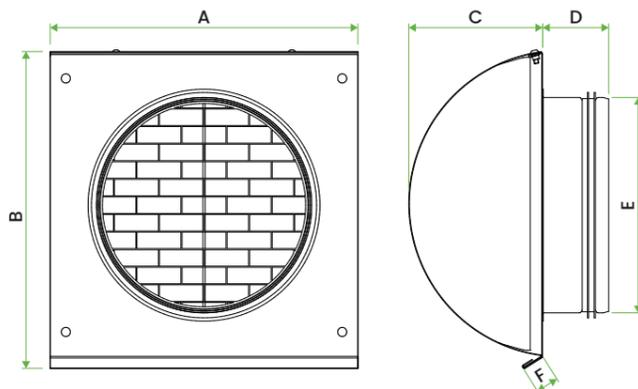
Dimensions:



Dimensions [mm]	A	B	C	D
Inlet/Outlet 160	234	156	60	21
Inlet/Outlet 200	234	196	60	21
Inlet/Outlet 250	234	246	60	21
Inlet/Outlet 315	234	311	60	21



Dimensions:



Dimensions [mm]	A	B	C	D	E	F
Inlet/Outlet 160	280	286	125	60	Ø156	21
Inlet/Outlet 200	280	286	125	60	Ø196	21
Inlet/Outlet 250	350	360	170	60	Ø246	21
Inlet/Outlet 315	443	440	210	60	Ø311	21

Description:

The PEFLEX INOX air inlet/outlet grilles are stainless steel external components for ventilation systems. Their domed design protects the intake from wind and rain, while the integrated drip edge effectively channels water away from the building facade. Inside, an air deflector directs airflow sideways, increasing air exchange efficiency and preventing rain from being blown in. The grilles feature laser-cut openings that serve as a screen against insects and debris.

Technical features:

- Available Variants: Ø160, Ø200, Ø250, Ø315 mm
- Material: INOX stainless steel (0.5–0.8 mm thickness)
- Front Finish: brushed INOX stainless steel
- Protective Element: laser-cut stainless steel panel with 40×15 mm apertures
- Connection Spigot: nipple connection with a double-lip rubber gasket
- Installation: 4 pre-drilled mounting holes
- Functional Features: protective hood, air deflector, drip edge.

Application:

Fresh air inlet or stale air outlet for mechanical ventilation systems with heat recovery (HRV).

Variants:

- Diameters: Ø160, Ø200, Ø250, Ø315 mm.

High-quality, high-performance replacement filters, compatible with Zehnder and KOMFOVENT heat recovery units, among others. PEFLEX filters feature a range of enhancements designed to extend service life and improve airtightness.



Description:

Compared to original filters, they offer an increased filtration surface area, providing higher dust-holding capacity and extending service life without causing significant airflow resistance.

Depending on the model, they feature a rigid and durable cardboard frame or a foam gasket that ensures high airtightness once installed in the unit. Our filters also feature an upgraded filtration class compared to the original parts.

The filters are available in three filtration classes:
 G4 – Standard coarse filter,
 M5 – Medium filter with enhanced performance,
 F7 – Pollen filter (Fine filtration).

They are easy to use and replace thanks to convenient, durable handles for effortless removal and a clear arrow indicating the airflow direction. The filters are perfectly fitted for the most popular heat recovery models, including Zehnder, AERIS, KOMFOVENT, and Thessla Green.

Variants:

Filtration classes	G4	M5	F7



Just breathe. REQNET PRO takes care of the rest.

Smart recuperators that automatically monitor your indoor air quality

REQNET PRO – the new series of recuperators



The new PRO series evolves and integrates established technologies with the modularity of REQNET units into a single device. A universal EPP housing allows for version selection during installation, while a wide range of add-on modules enables the unit to be configured according to individual customer needs.



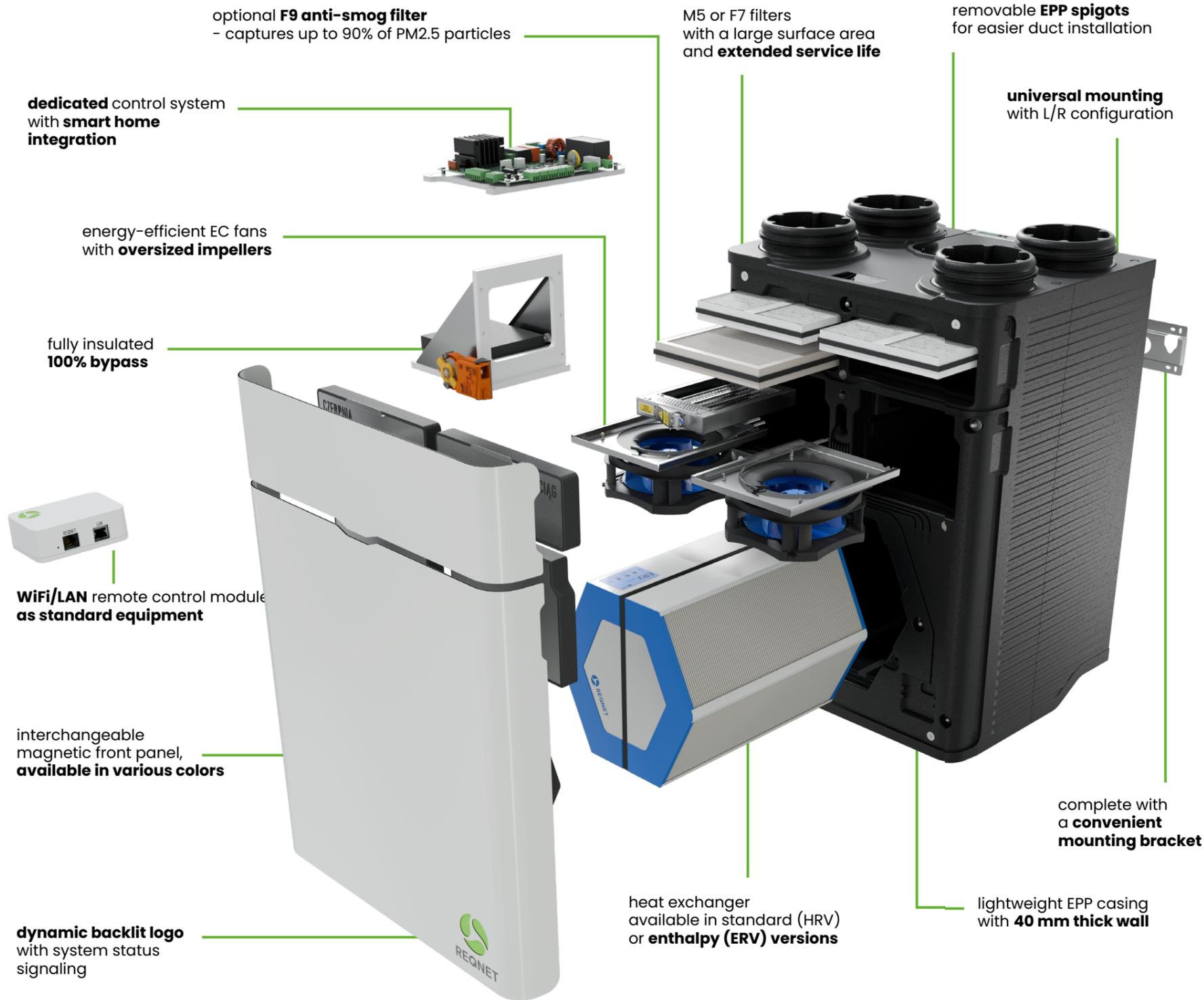
REQNET PRO recuperators

Recuperators REQNET PRO are available in vertical (V) and horizontal (H) versions, with capacities ranging from 350 to 600 m³/h, and with HRV or ERV (enthalpy - moisture recovery) heat exchangers.

The units are designed for quiet operation, excellent thermal insulation, high durability, and easy installation and maintenance.

The PRO series features an enhanced and refined smart mode. Working in tandem with the air quality module, it automatically selects the optimal ventilation level, ensuring superior user comfort and significant energy savings.

2026 PREMIERE
REQNET PRO



Additional modules:



CO₂ / Humidity Air Quality Module
This internally mounted module enables **fully automatic smart mode operation** based on real-time monitoring of indoor humidity and CO2 concentration levels.



Hygro Module
This internally mounted module measures the real-time air humidity within the building and automatically increases ventilation performance in response to any sudden spike in indoor moisture levels.



Constant Flow Module
This module monitors the real-time airflow and automatically balances the supply and exhaust rates. It dynamically adjusts fan performance to compensate for installation resistance and filter clogging levels.



Pre-heater Module
Energy-efficient, self-regulating PTC heater that supports the unit's anti-freeze protection system. Included as standard with the HRV exchanger.



4.3" Touchscreen Panel
A modern, minimalist touch panel featuring a high-sensitivity capacitive color display, designed for intuitive control over all unit functions.



Expansion Module
This module allows for the integration of additional sensors, GHE (Ground Heat Exchanger) actuators, secondary heaters, and other peripheral devices into the unit's control system.



Advanced control system

The new control concept allows for easy connection of additional modules directly to the unit's housing. A new expansion module is also available, providing convenient connectivity for peripheral devices. Equipped with a faster processor, the system responds instantly to commands from both the touch panel and the mobile app.

The enhanced smart mode offers even smoother fan speed control, dynamically adjusting ventilation performance to the household's real-time needs. This ensures an optimal indoor climate while minimizing heat and energy loss throughout the year.

Hybrid control system

In addition to remote access via the mobile app, PRO units can be operated using a brand-new touchscreen display. The panel features a sleek, ultra-slim, and aesthetic design, perfectly tailored for modern interiors.

Another new feature is the illuminated logo on the unit's casing, which provides clear visual feedback on the system's current operating status.



Modularity and modern design

With six additional modules, PRO recuperators can be upgraded at any time with new functionalities, allowing for precise customization to meet customer needs without investing in unused features.

The well-designed EPP housing provides excellent thermal insulation and enables on-site selection of either left- or right-hand configurations. Interchangeable magnetic panels are also available in a variety of colors.

Maximum energy efficiency

By combining energy-efficient, ultra-quiet fans housed in a 40 mm bridge-free profiled casing with highly efficient HRV and ERV heat exchangers and advanced control algorithms, we have created one of the most efficient devices in its class.

New ERV enthalpy exchangers

Depending on your preferences, PRO units can be equipped with either standard HRV exchangers or advanced ERV enthalpy exchangers featuring enhanced heat recovery parameters. This solution effectively maintains an optimal microclimate within the building all year round.

Extended warranty

Remote service, software updates, and the option to extend the warranty to 5 years – along with lifetime technical support and high-quality components from European suppliers – ensure peace of mind for years to come, for both installers and end-users.

BASIC H.250 ERV recuperators

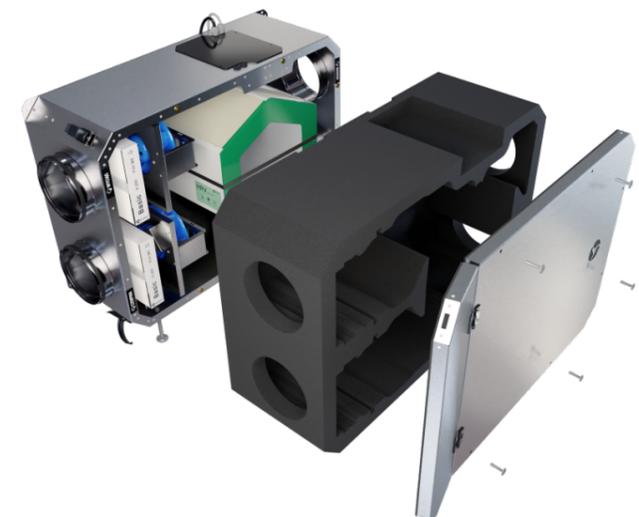
BASIC H.250 HRV recuperators are the most compact in the range, designed for efficient ventilation of apartments and small houses. The units offer an excellent price-to-quality ratio, combining modern components and thoughtful design with easy installation, either on the wall or floor. Simple operation via a dedicated wallmounted controller and an optional CO₂/hygro module ensures user comfort and energy efficiency.



The unit features an electronic bypass with free-cooling technology, while the energy-efficient, stepless PTC pre-heater ensures reliable performance even in freezing temperatures. The BASIC recuperator is the perfect choice for those seeking a reliable, user-friendly ventilation system equipped with modern solutions.

Main features of the BASIC H.250 HRV:

- High heat recovery efficiency of up to 95% thanks to the HRV counter-flow heat exchanger.
- Next-generation energy-efficient EC fans, delivering high performance with low power consumption.
- No internal thermal bridges thanks to advanced PE foam insulation.
- Built-in, smoothly controlled PTC pre-heater.
- Effective air filtration thanks to M5 class filters (ePM10 75%) with a large filtration surface area.
- Automatic control based on air quality thanks to the CO₂/hygro module.
- Electronic bypass for optimal temperature management.
- Available in both left and right versions.



Long-lasting durability and reliable performance

The unit features a durable stainless steel (INOX) casing, with high-performance foam insulation ensuring excellent thermal and acoustic properties while eliminating heat loss. Energy-efficient EC fans guarantee quiet operation and low power consumption, while the counter-flow heat exchanger recovers up to 95% of thermal energy.

CENNIK24.pl is a sales platform that connects manufacturers of installation systems, including mechanical ventilation and recuperators. The portal offers a complete range of mechanical ventilation components from PEFLEX and recuperators from the REQNET brand.

Advantages:

- ▶ Direct-from-manufacturer purchasing
- ▶ Best partnership terms
- ▶ All products in one place
- ▶ Fast lead times
- ▶ BOXMAKER software integration
- ▶ Direct support from manufacturers
- ▶ Price stability

CENNIK 24

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and join our network of installers!

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PEFLEX

ul. Nowa Wieś 103
32-420 Gdów

biuro@peflex.pl

REQNET

ul. Nowa Wieś 105
32-420 Gdów

biuro@reqnet.pl



www.peflex.eu
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