

Product brochure

# profi-air<sup>®</sup> classic and profi-air<sup>®</sup> tunnel



Pipe systems for heat recovery ventilation





## Good reasons to use heat recovery ventilation

It has become commonplace in modern building construction nowadays that homes are virtually airtight due to legal standards and in order to save energy.

At the same time, the Energy Conservation Ordinance (EnEV 2014) prescribes that a minimum air exchange must be ensured in airtight buildings. Ideally, the entire indoor air will be exchanged completely every one to two hours in order to guarantee healthy indoor climate. This requirement is hard to meet considering current living and working habits.

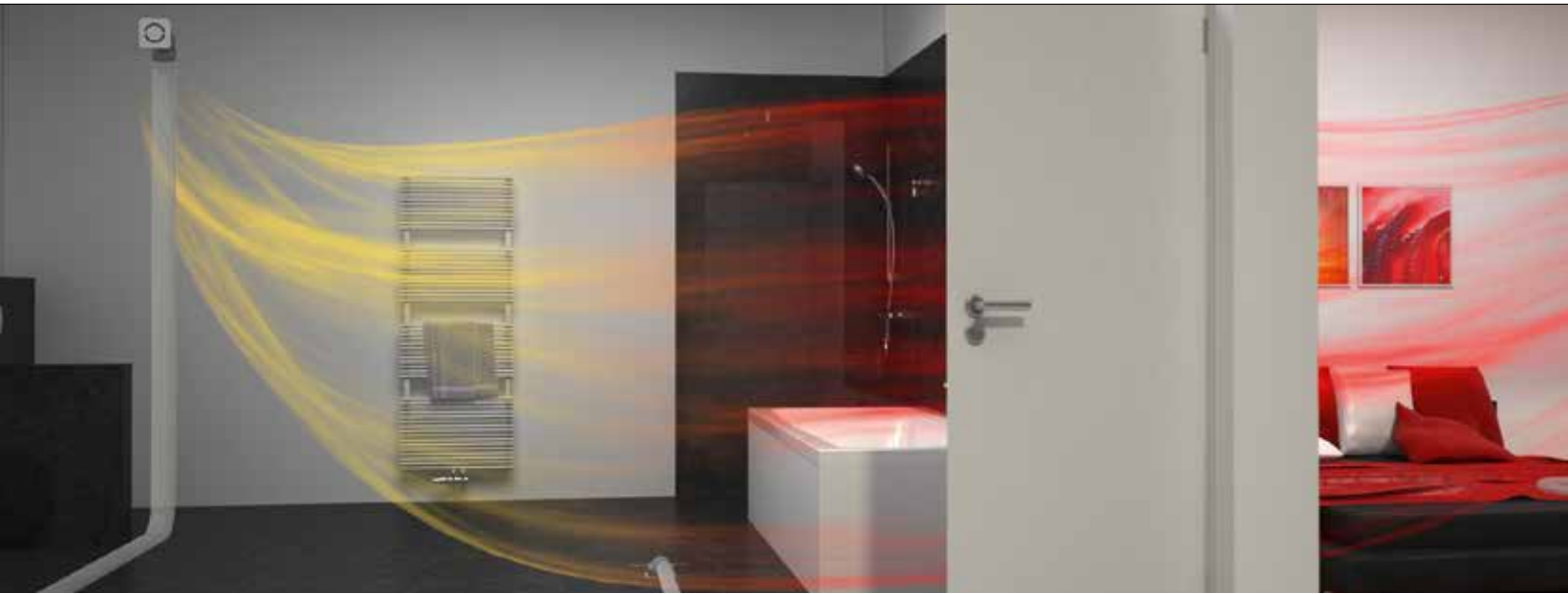
FRÄNKISCHE has developed the perfect solution to this challenge: profi-air – the ventilation system for heat recovery ventilation. It supplies the building with fresh, filtered outdoor air while removing used air around the clock.

Pollen, fine dust and other pollutants are prevented from entering the home – which is not the case when airing by opening the windows. An extra benefit ensuring a pleasant atmosphere and making people with allergies happy.

The technologically advanced profi-air ventilation system stands for the top quality of all components. Our many years of competency and experience in the field of pipe systems are particularly well-reflected in profi-air classic and profi-air tunnel.

With profi-air, you will have more cosiness and a better quality of living at your home!





## profi-air® – heat recovery ventilation made easy

FRÄNKISCHE stands for well thought-out systems and building technology from experts.

The profi-air system, a complete system for heat recovery ventilation, is no exception. The flexible air distribution system with the pipe variants classic and tunnel is suitable for installation in both new and existing buildings.

Various ventilation units are available to match each and every installation situation. Exclusive design grills perfectly complement the system and add an individual touch to each room.

By means of profi-air regulator compact, the air flow can be adjusted directly at the design grill.

Type of pipe	Max. permissible air volume flow rate according to DIN1946/6 at 3 m/s	Structure level				
		Bare concrete floor	Insulation layer under the screed	Suspended ceilings	Walls	Lightweight walls
profi-air classic 63	23 m³/h	x	x	x	x	x
profi-air classic 75	30 m³/h	x	x	x	x	
profi-air classic 90	45 m³/h	x		x	x	
profi-air tunnel	45 m³/h		x	x	x	x

### All benefits at a glance

The main focus of heat recovery ventilation (HRV) is on healthy ventilation of the building. Properly filtered air ensures a comfortable room climate and prevents fine dust and allergens from

entering. Humidity or mould growth are a thing of the past. profi-air ensures evenly distributed air exchange, enhanced energy efficiency and stable value of your property.



BUILDING PROTECTION



INCREASE IN RESALE VALUE



HEALTH PROTECTION



FEEL-GOOD CLIMATE



ENERGY SAVINGS/  
INCREASED ENERGY EFFICIENCY



HYGIENICALLY SOUND



## Two advanced pipe systems: Our proven round pipe ...

### Flexibility in installations in concrete

#### Flexibility in installations in concrete




The profi-air classic pipe system is ideal for installation in bare concrete. Thanks to its flexibility, no additional fittings are required even with very narrow bend radii.

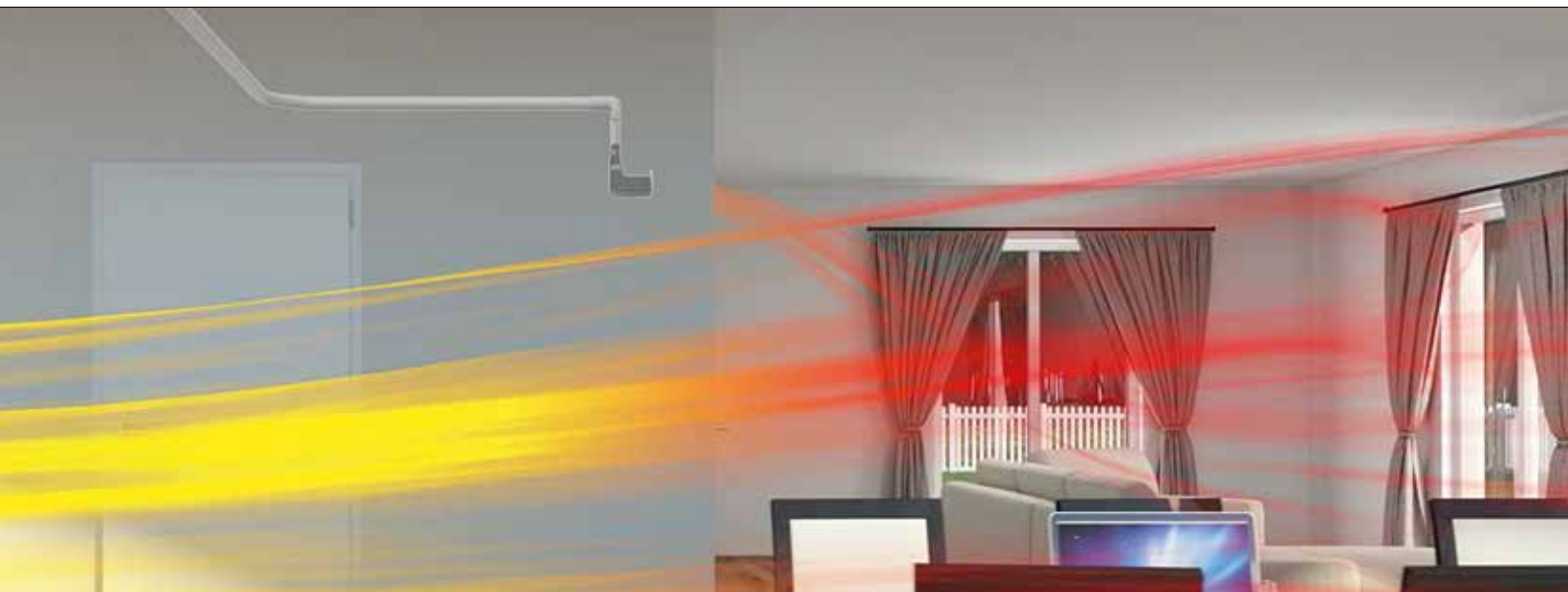
Depending on the dimensions, the profi-air classic pipe is also suitable for installation on bare concrete, as well as in walls and ceilings.

- Smooth, antibacterial and antistatic inner surface
- Flow-optimised pipes and fittings (less noise, lower energy requirement)
- Reliable connection option – no sealing with adhesive tape
- Lightweight and tightly bendable – fewer fittings required



### Technical data

		profi-air classic 63	profi-air classic 75	profi-air classic 90
Dimensions	D <sub>o</sub> [mm]	64	76	91
	D <sub>i</sub> [mm]	54	63	78
Min. bend radius	vertical [mm]	150	150	150
	horizontal [mm]	150	150	150
Antistatic and antibacterial inner surface		Yes	Yes	Yes
Test				



## ... and our innovative tunnel pipe

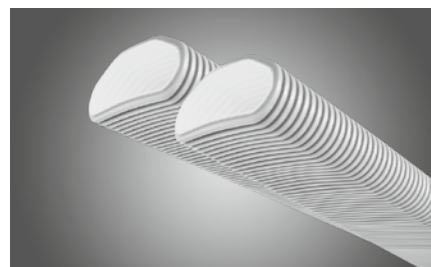
### profi-air® tunnel

#### Low installation height on bare concrete



Thanks to its extremely low installation height of only 52 mm, the profi-air tunnel pipe system is ideally suited for installation on bare concrete.

It can also be perfectly installed in the wall or on the ceiling.

- Smooth, antibacterial and antistatic inner surface
- Flow-optimised pipes and fittings (less noise, lower energy requirement)
- High impact strength
- Innovative sealing core provides reliable connection
- Very low installation height (52 mm)

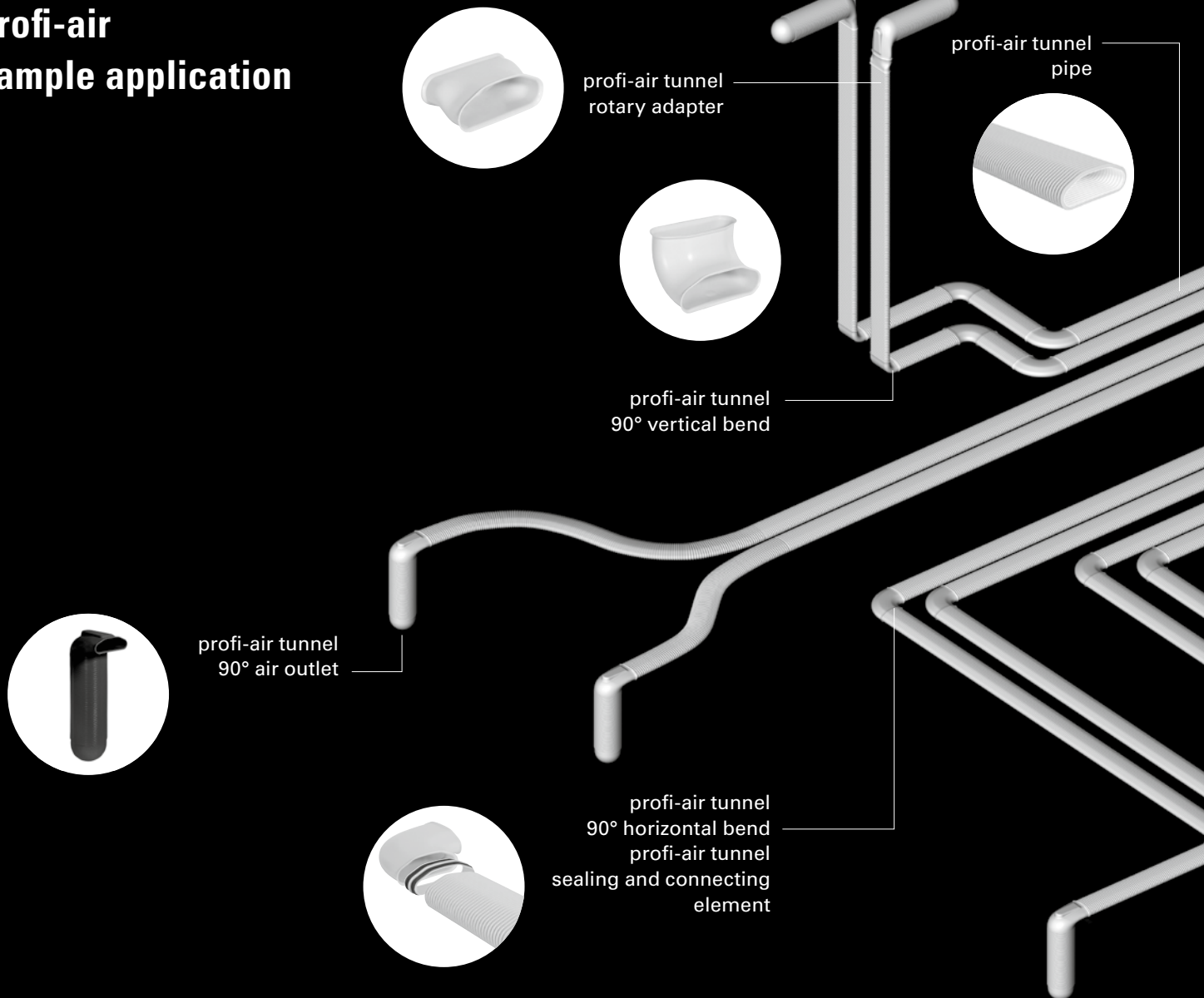


### Technical data

		profi-air tunnel coiled	profi-air tunnel straight lengths
Dimensions	W [mm]	132	132
	H [mm]	52	52
Min. bend radius	vertical [mm]	150	-
	horizontal [mm]	300	-
Antistatic and antibacterial inner surface		Yes	Yes
Test			



## profi-air sample application



profi-air tunnel  
rotary adapter



profi-air tunnel  
90° vertical bend



profi-air tunnel  
pipe



profi-air tunnel  
90° air outlet



profi-air tunnel  
90° horizontal bend  
profi-air tunnel  
sealing and connecting  
element

## Efficient ventilation units

### profi-air® 180 flat

**Efficient ventilation units for ceiling installation** in flats and apartments.



### profi-air® 250 flex

**Efficient ventilation units for wall / floor installation** in single-family homes.



### profi-air® 250/400 touch

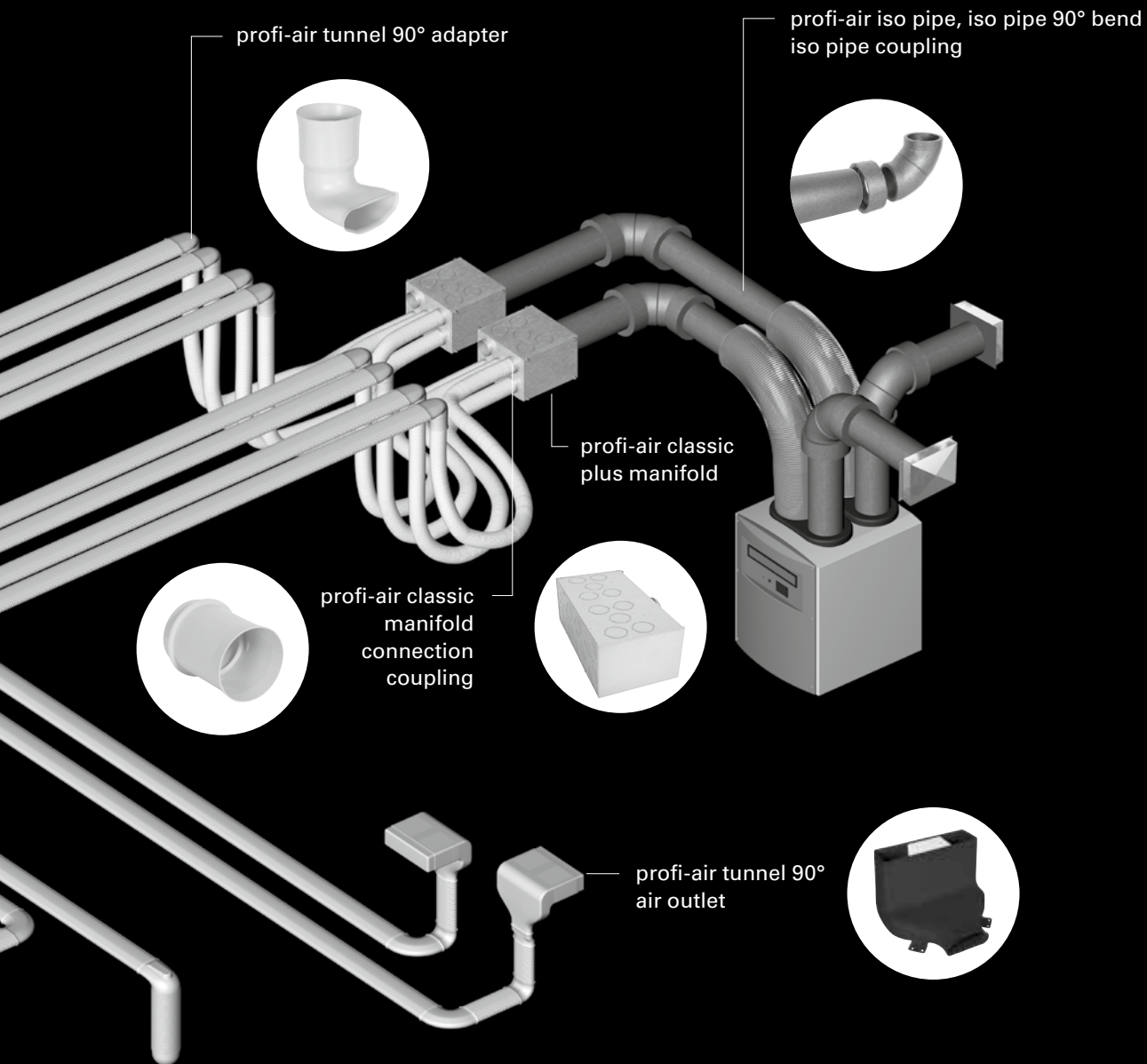
**Efficient ventilation units for wall / floor installation** in single- and two-family homes.



### profi-air® 180/300 sensor

**Efficient ventilation units for wall installation** in apartments and single-family homes.





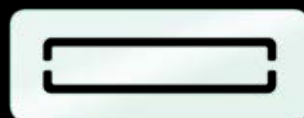
## profi-air design grills

**starline**<sup>®</sup> by sieger design

**Design grill collection for  
heat recovery ventilation**

- 20 designs matching any interior style
- Innovative magnetic fixing

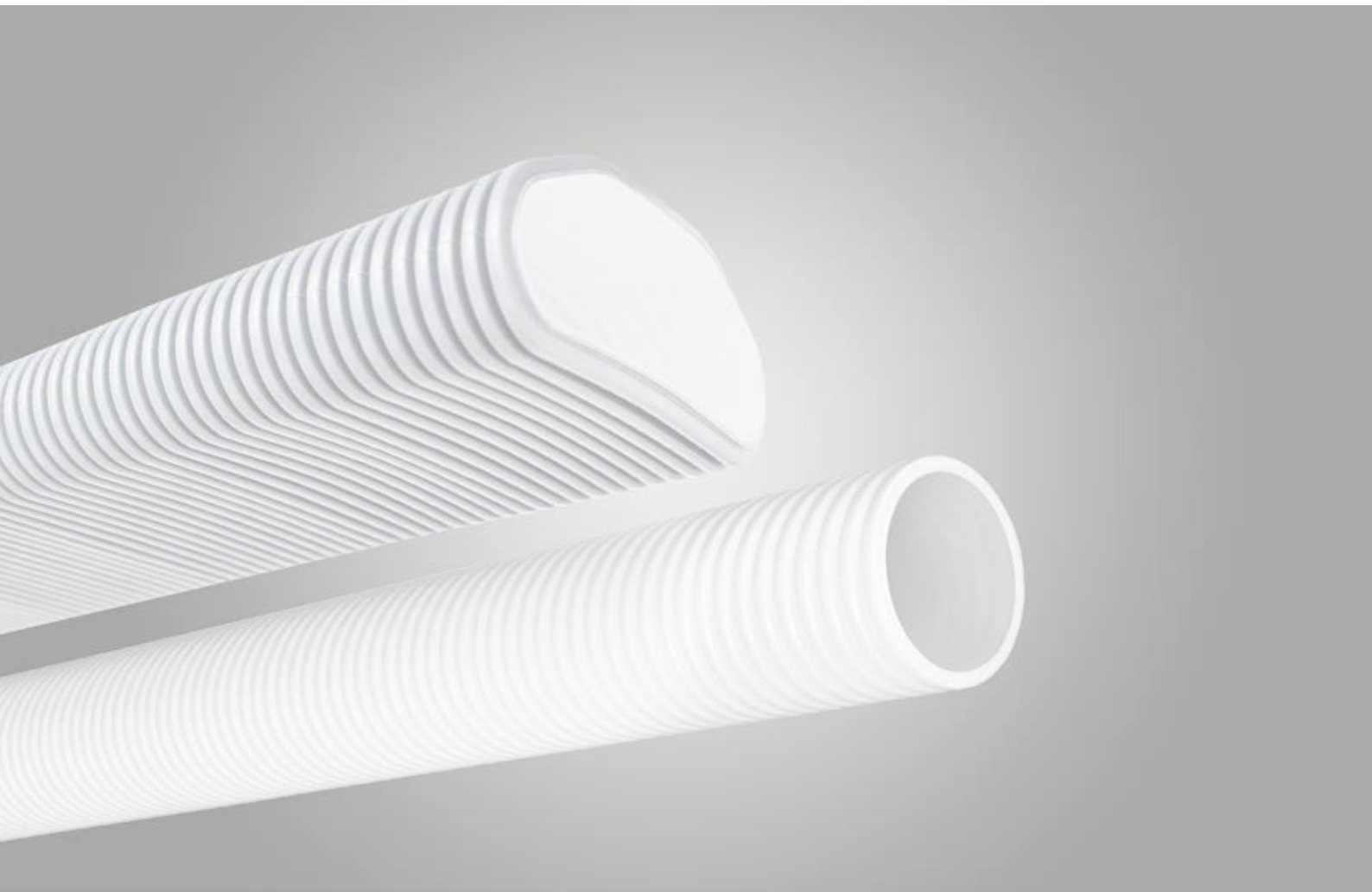
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SHAPE COMPACT



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EN.2363/2.02.19 | Subject to change without notice | Cat. no. 79999213 | 02/2019

