

Product brochure

profi-air® classic and tunnel pipe systems



profi-air classic – profi-air tunnel
profi-air components



profi-air® – heat recovery ventilation



The profi-air® complete system

FRÄNKISCHE stands for well thought-out systems and building technology from the expert: profi-air, the complete system for heat recovery ventilation, is no exception.

The flexible air distribution system can be combined with different profi-air ventilation

units – depending on the installation situation – and is suitable for application in both new and existing buildings.

Exclusive ventilation grills from the starline design grill collection perfectly complement the system and form a harmonious entity with every room.



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/
HIGHER
ENERGY EFFICIENCY



HYGIENICALLY SOUND



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

profi-air® classic – The flexible pipe



- **Guaranteed hygiene**
Smooth, antibacterial and antistatic inner surface for highest hygiene expectations. Hygienic safety confirmed by the Institute for Hygiene.
- **Highest flexibility**
Narrow bend radii can be implemented easily without requiring additional fittings.
- **Reliable and tight**
The perfectly matched system provides a reliable connection; additional sealing with adhesive tape is not required.
- **Flow-optimised pipe and fittings**
The flow-optimised system minimises pressure losses and avoids noise.
- **Great variety of possible applications**
Depending on the dimension, for installation on bare concrete, as well as in walls and ceilings.
- **Three dimensions available**
In addition to the standard dimensions of 75 and 90, the profi-air classic pipe is also available in dimension 63. This nominal diameter saves space and is thus also ideally suited for renovations.

Technical data

		profi-air classic 63	profi-air classic 75	profi-air classic 90
Dimensions	D _o [mm]	64	76	91
	D _i [mm]	54	63	78
Min. bend radius	vertical [mm]	150	150	150
	horizontal [mm]	150	150	150
Airflow rate according to DIN 1946/6		max. 23 m³/h	max. 30 m³/h	max. 45 m³/h



... and our innovative tunnel pipe ...

profi-air® tunnel – The space-saving pipe



■ Guaranteed hygiene

Smooth, antibacterial and antistatic inner surface for highest hygiene expectations. Hygienic safety confirmed by the Institute for Hygiene.

■ Very little space required

The installation height of 52 mm allows for space-saving installations.

■ Robust quality

High impact strength for increased construction site safety.

■ Reliable and tight

The innovative internally sealing profi-air tunnel connection elements in combination with the profi-air tunnel fixing clamp ensure reliable connections.

■ Flow-optimised pipe and fittings

The flow-optimised system minimises pressure losses and avoids noise.

■ Great variety of possible applications

Depending on the dimension, for installation on bare concrete, as well as in walls and ceilings.

Technical data

		profi-air tunnel coiled pipes	profi-air tunnel straight length pipes
Dimensions	W [mm]	132	132
	H [mm]	52	52
Min. bend radius	vertical [mm]	150	–
	horizontal [mm]	300	–
Airflow rate according to DIN 1946/6		max. 45 m³/h	

... with perfectly matched components

profi-air® manifold system



profi-air connection coupling

- Only one connection geometry for profi-air classic manifold plus and profi-air flat manifold 6-fold
- Available in dimensions 63, 75 and 90
- Advanced design ensures the airtight connection between coupling and manifold, and the protection against pressing concrete water in concrete installations
- The harmonised design in all three dimensions allows for the application of universal airflow restrictors



profi-air classic manifold plus

- Metal manifold with extra large inspection openings, pre-perforated blankings and included connection plugs
- The manifold is available as 5-fold, 10-fold and 15-fold design, and can connect the pipe dimensions 63, 75 and 90 using a connection coupling
- Connection systems in DN 125 (using adapter), DN 160, and DN 180 are possible



profi-air flat manifold 6-fold

- Plastic manifold 6-fold for any application at the construction site
- Three different connection dimensions (NW 63, 75, 90), and three different connection systems iso, metal & Ovalkanal)
- Installations on in-situ concrete ceilings can be secured using the unsurpassed profi-air concrete formwork cover plus DN 160
- Concealed installation possible. Depending on the installation situation, the manifold including the connection system can be completely lowered into the concrete.

profi-air® air outlet components



profi-air classic concrete formwork cover plus

- Using the profi-air classic concrete formwork cover plus, the profi-air outlet 90° plus can be secured to in-situ concrete ceilings professionally and easily
- Available in DN 125 and DN 160 (concrete formwork set)

profi-air outlets

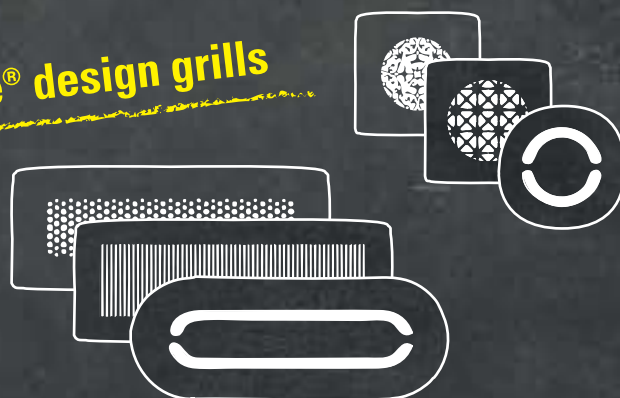
- The wide range of profi-air outlets for profi-air classic or tunnel pipes can be used universally for supply and extract air
- Depending on the model, installations can be made either in walls, floors or ceilings

The profi-air® complete system

profi-air tunnel and classic pipe systems



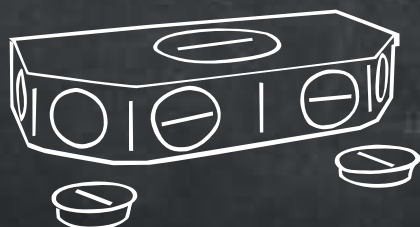
starline® design grills



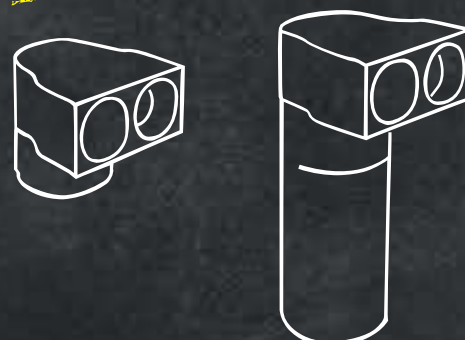
profi-air ventilation units



profi-air manifold system



profi-air outlets





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