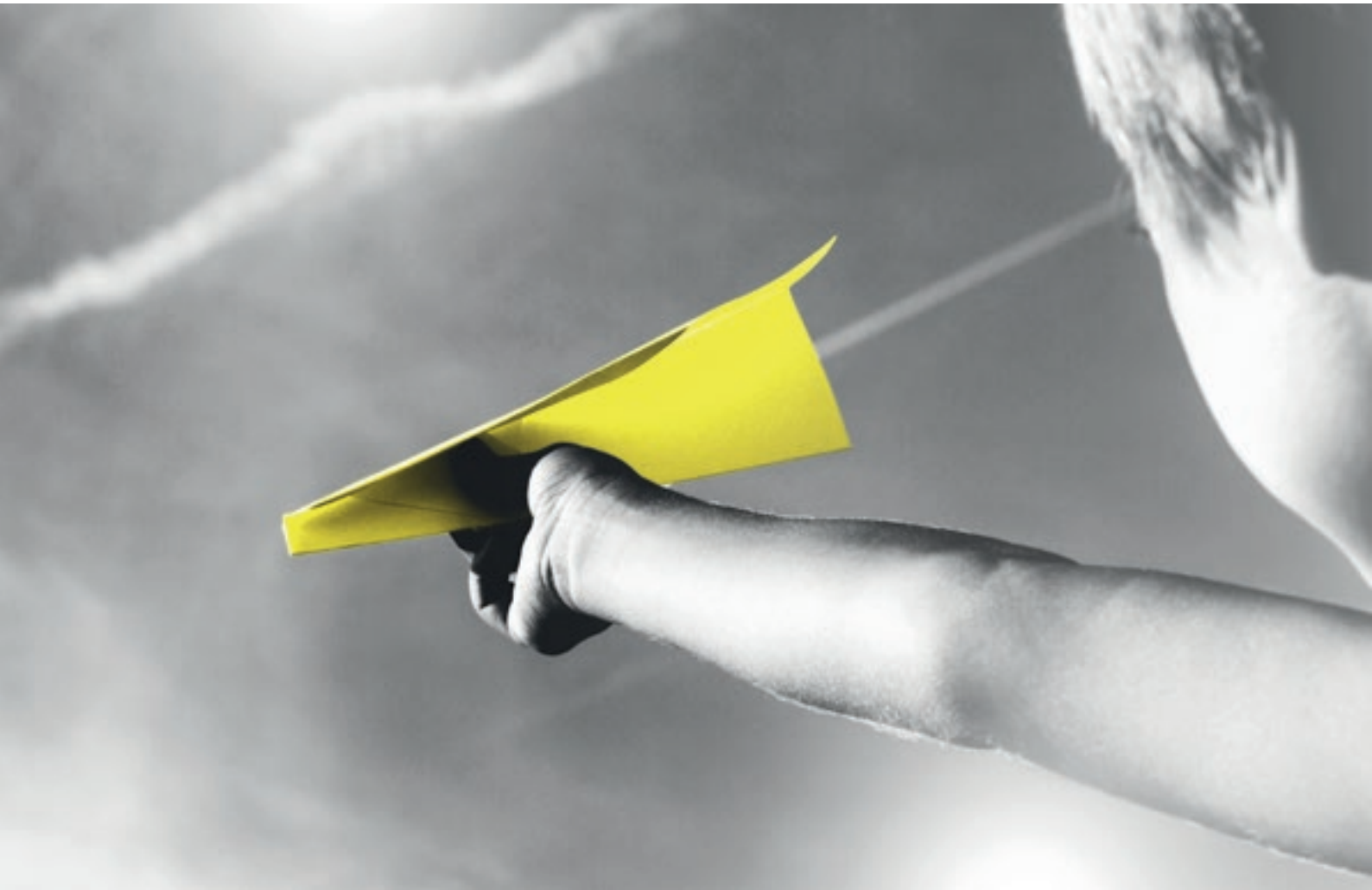


Main catalogue

profi-air® – heat recovery ventilation



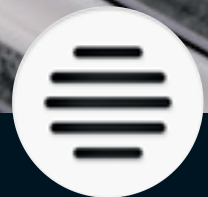
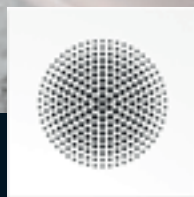
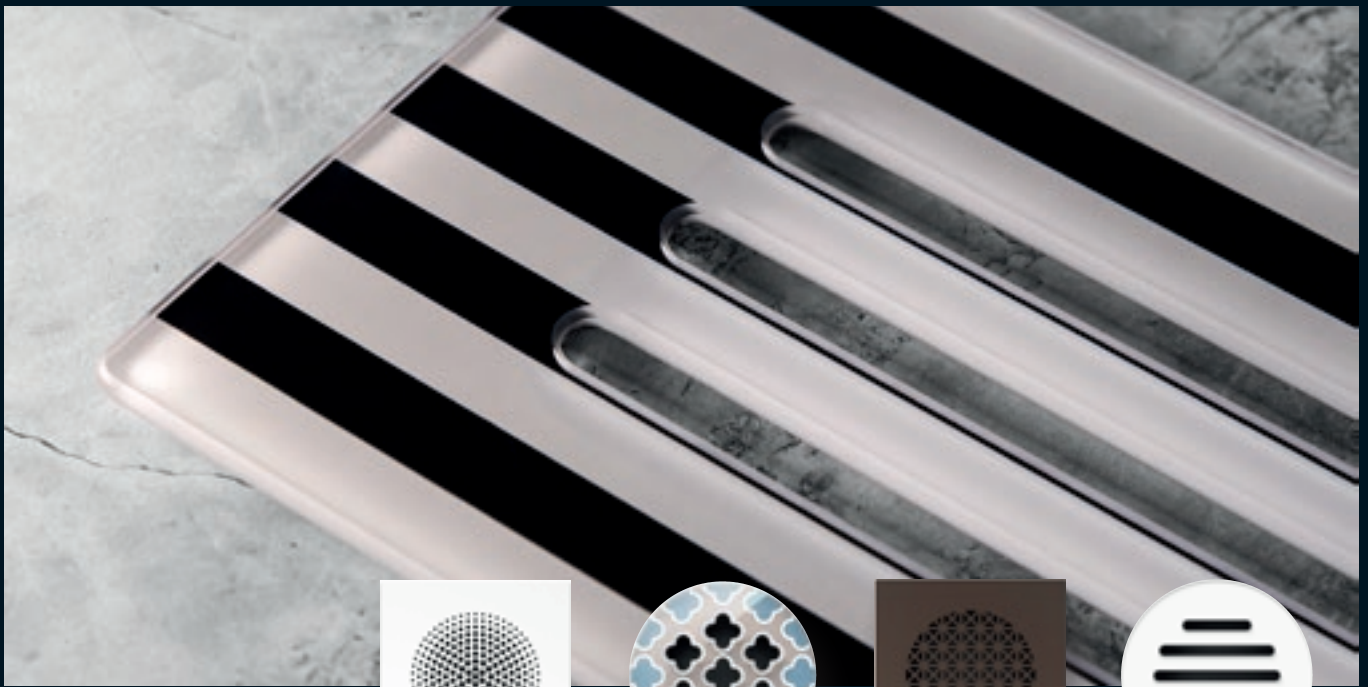
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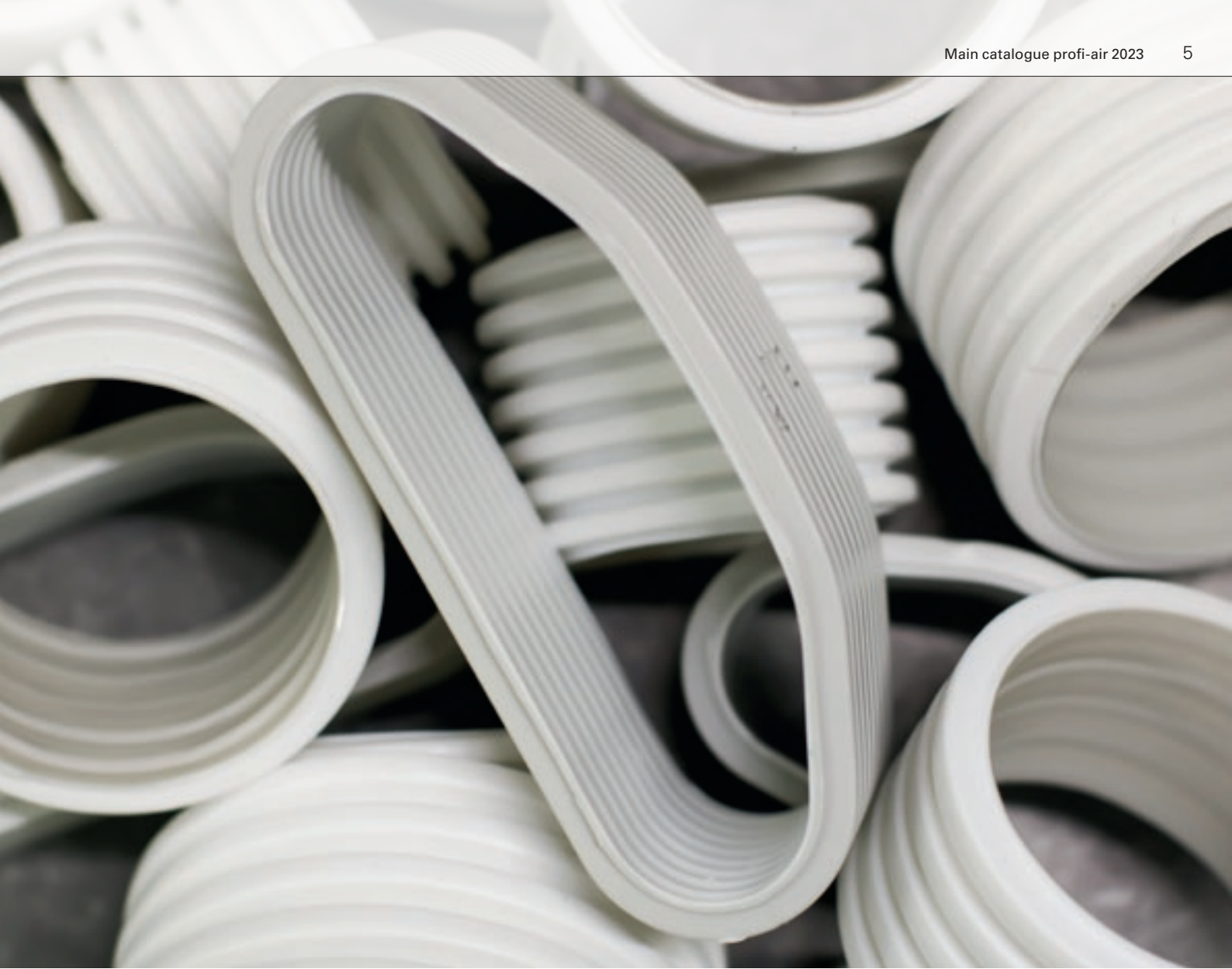
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General information

Thread, dimension and material data

Abbreviation	Meaning
ABS	Acrylonitrile butadiene styrene copolymers
DN	Nominal diameter
EPDM	Ethylene propylene diene M-class rubber
EPP	Expanded polypropylene
G	Connection thread (cylindrical)
NW	Nominal width
PC	Polycarbonate
PE	Polyethylene
PP	Polypropylene
PS	Polystyrene
PVB	Polyvinyl butyral
R	Male thread (conical)
R _p	Female thread (cylindrical)
TPE	Thermoplastic elastomer



profi-air® pipe systems and components

- Smooth, antibacterial and antistatic inner surface
- Flow-optimised pipe and fittings
- Flexible and hard-wearing pipe variants



profi-air® pipe systems

profi-air tunnel



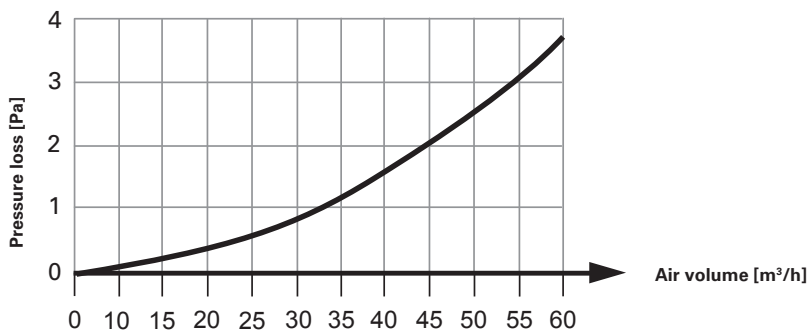
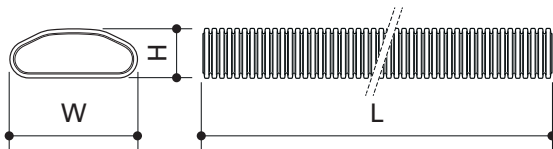
profi-air tunnel pipe, grey

Tunnel-shaped, hard-wearing, double-walled corrugated PP pipe with antistatic and antibacterial inside to be installed in the insulation layer, for routing cables in suspended ceilings, installation walls, risers or frames. The smooth inner surface of the profi-air tunnel pipe allows for easy cleaning and enables high volume flow rates. The tunnel pipe is suitable for supply air and extract air. Delivered coiled or in straight lengths with pipe plugs.

- Permissible operating temperature: -25 to 60 °C
- Processing temperature up to max. -5 °C
- Airflow rate according to DIN 1946/6: max. 45 m³/h
- Bend radius: horizontal min. 30 cm, vertical min. 15 cm



Cat. no.	Description	L [m]	W [mm]	H [mm]	Coil ø [mm]	Coil height [mm]	Weight [kg]	PU [m]
78313202	in coils 132 x 52 mm	20	132	52	1,200	135	11.20	20
78313201	in straight lengths 132 x 52 mm	3	132	52	–	–	6.90	12



Pressure loss in 1 m of pipe section

profi-air® pipe systems

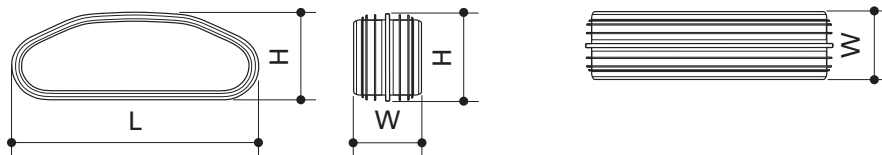
profi-air tunnel



profi-air tunnel connecting element

PC/PBT sealing and connecting element with integrated sealing surface to connect profi-air tunnel pipe/pipe; pipe/fitting; fitting/fitting.

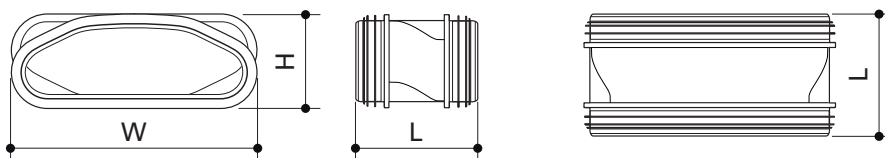
Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78313210	132 x 52 mm	127	35	49	0.02	10



profi-air tunnel connecting element rotated 180°

PC/PBT sealing and connecting element with integrated sealing surface for the axial 180° rotation of the profi-air tunnel pipe and to connect profi-air tunnel pipe/pipe; pipe/fitting; fitting/fitting.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78313222	2x 132 x 52 mm rotated 180°	70	133	51	0.068	2



profi-air® pipe systems

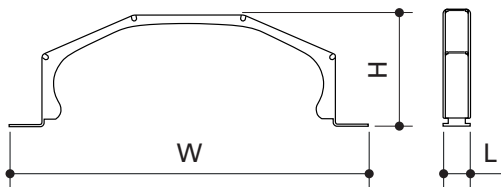
profi-air tunnel



profi-air tunnel fixing clamp

Steel fixing clamp for clamping profi-air tunnel connections pipe/pipe; pipe/fitting; fitting/fitting. The integrated retaining brackets allow mounting profi-air tunnel pipes to walls, floors or ceilings.

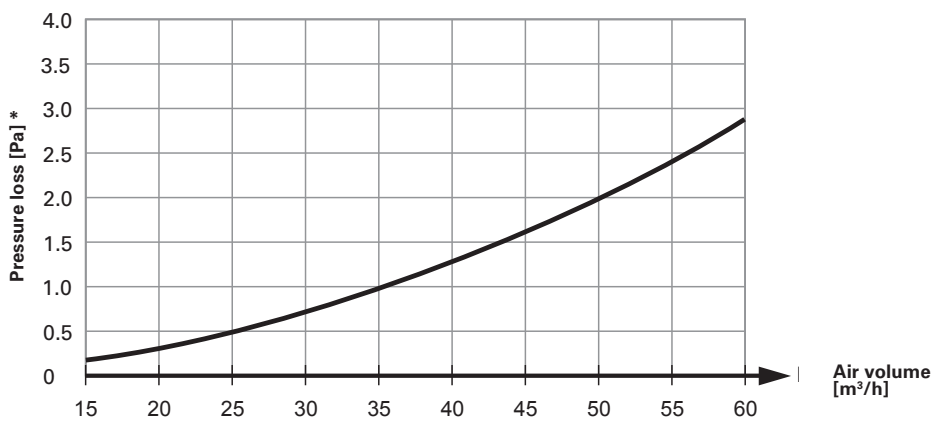
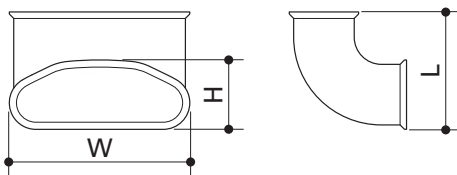
Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78313213	132 x 52 mm	12	167	51	0.03	10



profi-air tunnel 90° bend, vertical

PE-HD 90° bend to carry out vertical and flow-optimized redirection of airflows.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78313240	132 x 52 mm	87	132	52	0.06	1



*Including profi-air sealing and connecting element, cat. no.: 78313210

profi-air® pipe systems

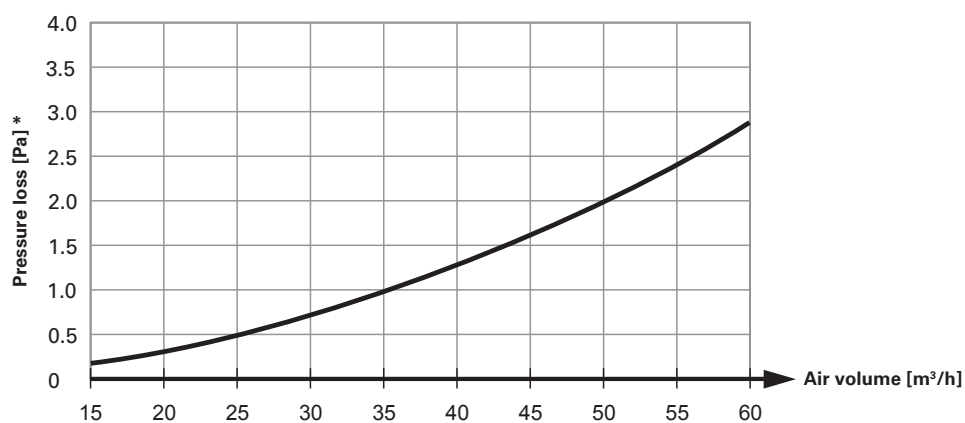
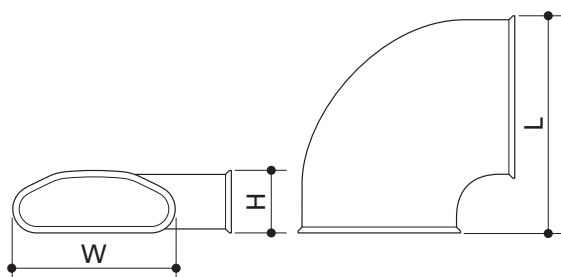
profi-air tunnel



profi-air tunnel 90° bend, horizontal

PE-HD 90° bend to carry out horizontal and flow-optimized redirection of airflows.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78313241	132 x 52 mm	185	132	52	0.11	1



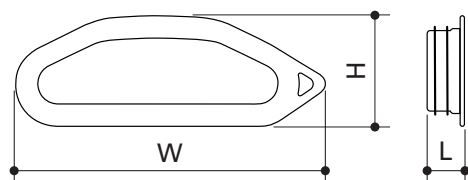
*Including profi-air sealing and connecting element, cat. no.: 78313210



profi-air tunnel end plug

PP end plug to seal profi-air tunnel pipes hygienically.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78313270	132 x 52 mm	17	133	53	0.02	5



profi-air® pipe systems

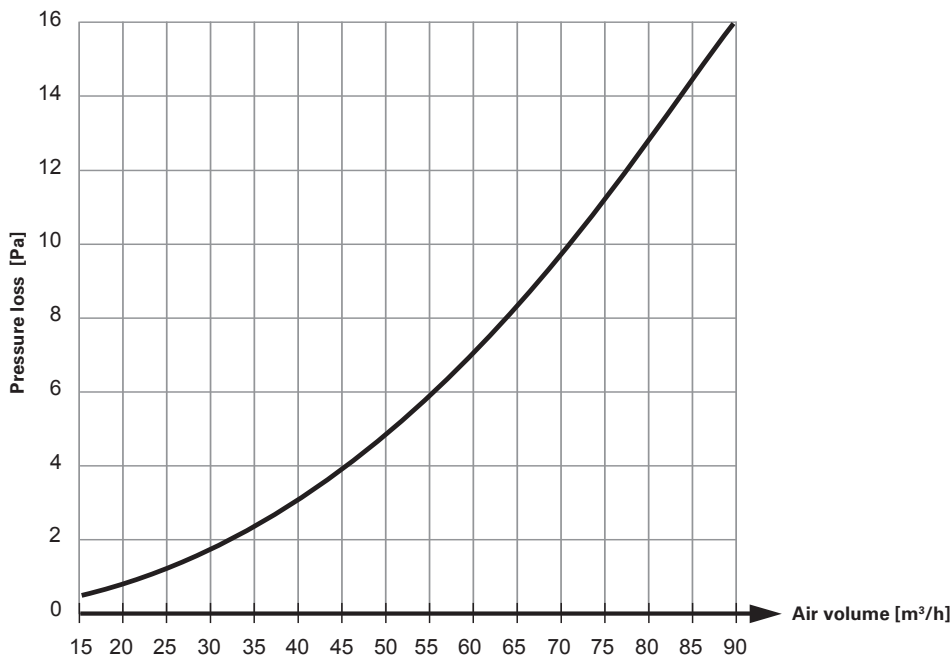
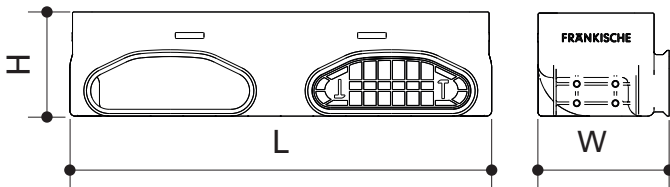
profi-air tunnel



profi-air tunnel 90° air outlet box

PS air outlet box to connect the profi-air tunnel pipe in combination with the profi-air tunnel sealing and connecting element. Max. 2 pipes can be connected. Can be used for supply air and extract air. Can be mounted using mounting angles. Suitable for wall, floor and ceiling installations. Including step and splash protection. The tunnel air outlet box provides the basis for the starline mounting frame plus.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78313286	90°, 2-fold, 317 x 84 mm	324	90	80	0.548	1



profi-air® pipe systems

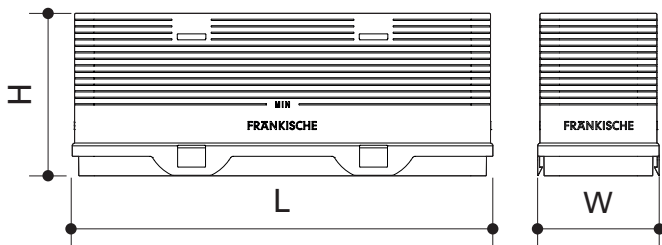
profi-air tunnel



profi-air 90° air outlet box extension

PP extension for the profi-air classic air outlet box and the profi-air tunnel air outlet box. Airtight connection to the air outlet box thanks to the integrated sealing ring. Mounting by means of locking pins.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300086	for air outlet box 317 x 84 mm	320	93	125	0.305	1



profi-air® pipe systems

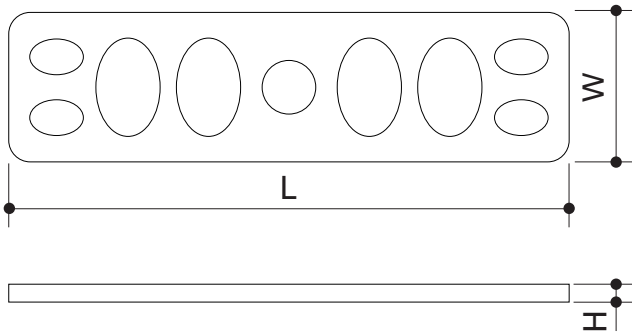
profi-air tunnel



profi-air air outlet box regulator

Plastic/foam airflow regulating element for the manual airflow regulation for use in the profi-air classic air outlet box and the profi-air tunnel air outlet box. Nine setting ranges by opening/closing pre-punched openings. Suitable for supply air and extract air.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300007	for air outlet box 317 x 84 mm	317	84	10	0.01	1



profi-air® pipe systems

profi-air tunnel

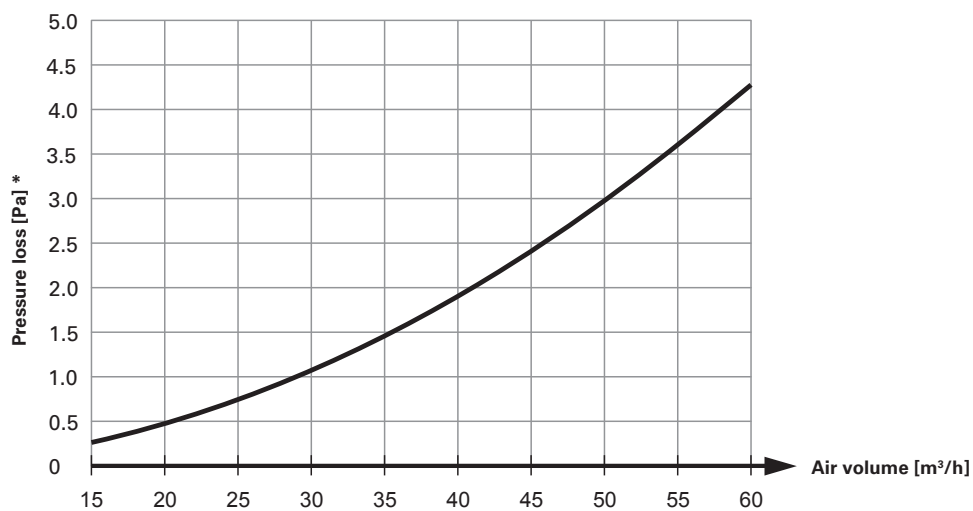
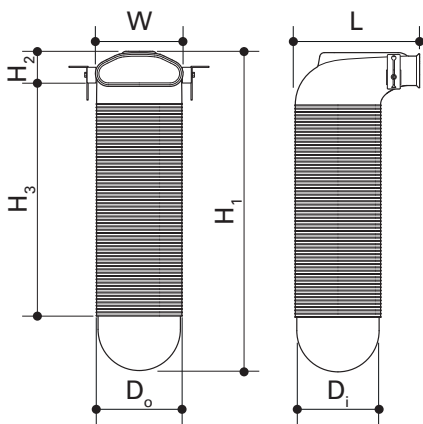


profi-air tunnel 90° air outlet

PE-HD 90° air outlet to connect to a valve. Can be universally used for supply air or extract air. Can be installed in walls, floors or ceilings. Can be mounted using mounting angles.

Cat. no.	Description	D _i [mm]	D _o [mm]	L [mm]	W [mm]	H ₁ [mm]	H ₂ [mm]	H ₃ [mm]	Weight [kg]	PU [pcs]
78313280	DN 125 132 x 52 mm*	125	133	189	132	483	52	345	0.42	1

* While supplies last.



*Including profi-air sealing and connecting element, cat. no.: 78313210

profi-air® pipe systems

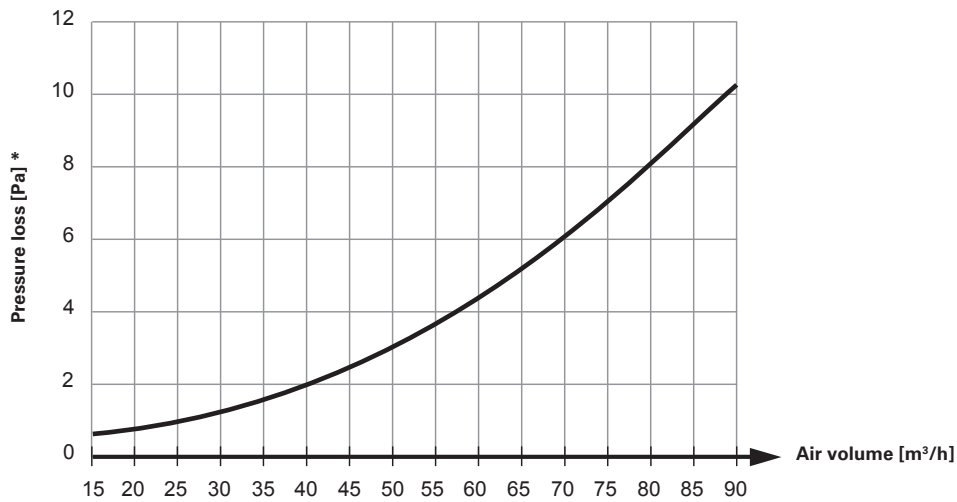
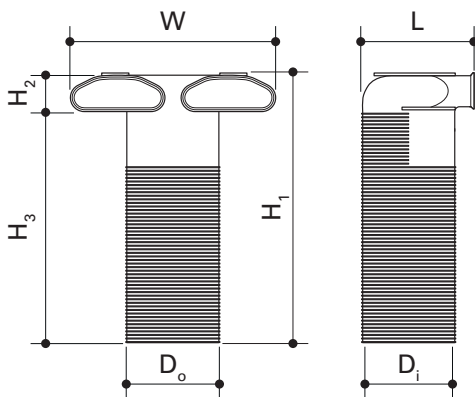
profi-air tunnel



profi-air tunnel 90° air outlet

PE-HD 90° air outlet to connect to a valve. Can be universally used for supply air or extract air. Can be installed in walls, floors or ceilings. Can be mounted using fastening lugs.

Cat. no.	Description	D _i [mm]	D _o [mm]	L [mm]	W [mm]	H ₁ [mm]	H ₂ [mm]	H ₃ [mm]	Weight [kg]	PU [pcs]
78313282	DN 125 2 x 132 x 52 mm	125	133	158	290	373	52	321	0.38	1



*Including profi-air sealing and connecting element, cat. no.: 78313210

profi-air® pipe systems

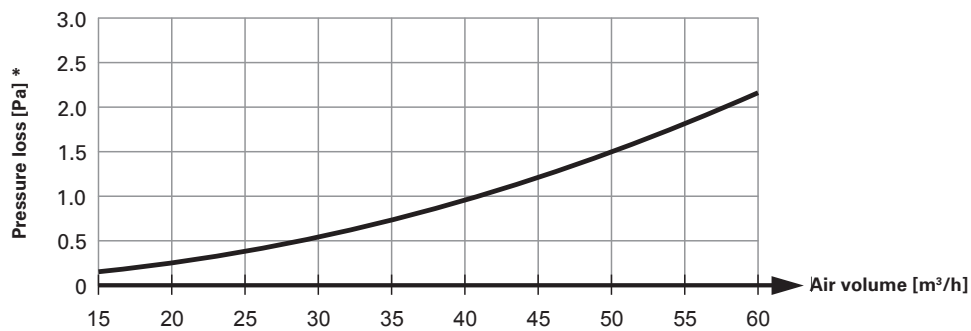
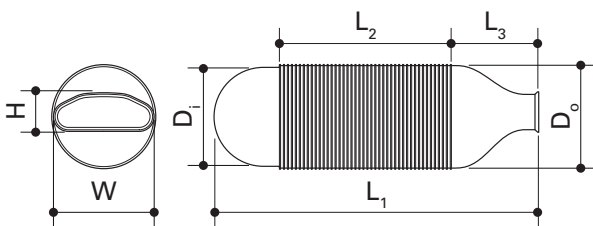
profi-air tunnel



profi-air tunnel air outlet

Straight PE-HD air outlet to connect to a valve. Can be universally used for supply air or extract air. Can be installed in walls or ceilings.

Cat. no.	Description	D _i [mm]	D _o [mm]	L ₁ [mm]	L ₂ [mm]	L ₃ [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78313281	DN 125 132 x 52 mm	125	133	385	195	103	132	52	0.29	1



*Including profi-air sealing and connecting element, cat. no.: 78313210

profi-air® pipe systems

profi-air tunnel

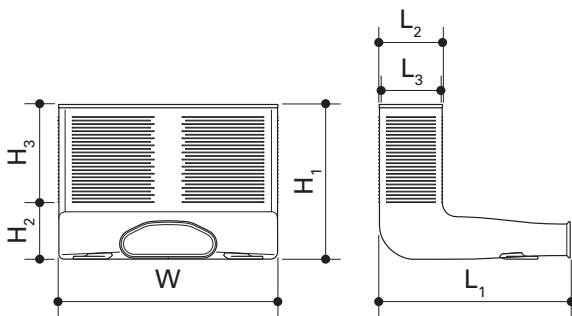


profi-air tunnel 90° air outlet

PE-HD 90° air outlet for cover grills. Can be universally used for supply air or extract air. Can be installed in walls or floors. Can be mounted using fastening lugs.

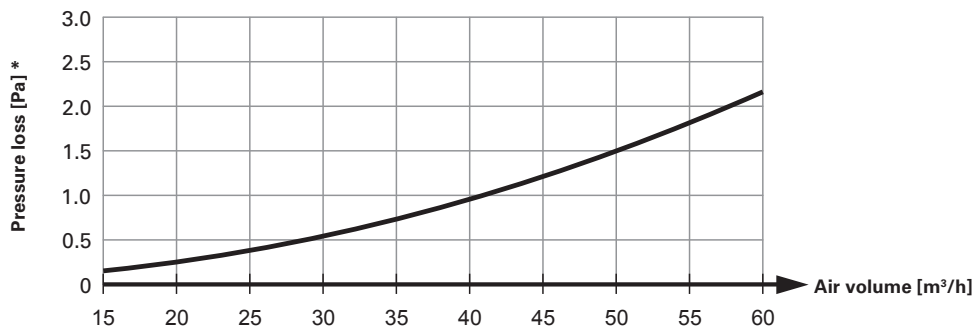
Cat. no.	Description	L ₁ [mm]	L ₂ [mm]	L ₃ [mm]	W [mm]	H ₁ [mm]	H ₂ [mm]	H ₃ [mm]	Weight [kg]	PU [pcs]
78313285	305 x 84 mm 132 x 52 mm*	269	89	85	309	254	80	174	0.60	1

* While supplies last.



NOTE

The profi-air tunnel 90° air outlet is not compatible with the starline mounting frame plus (cat. no.: 78300695)



*Including profi-air sealing and connecting element, cat. no.: 78313210

profi-air® pipe systems

profi-air classic



profi-air classic pipe, white

Highly flexible double-walled corrugated pipe with antistatic and antibacterial pipe inside made of PE-HD to be installed in concrete ceilings, suspended ceilings, installation walls, risers or frames. The profi-air classic pipe with its smooth inner pipe surface allows easy cleaning. The classic pipe is suitable for supply air and extract air.

- Permissible operating temperature: -25 to 60 °C
- Processing temperature up to max. -5 °C
- Bend radius: min. 15 cm



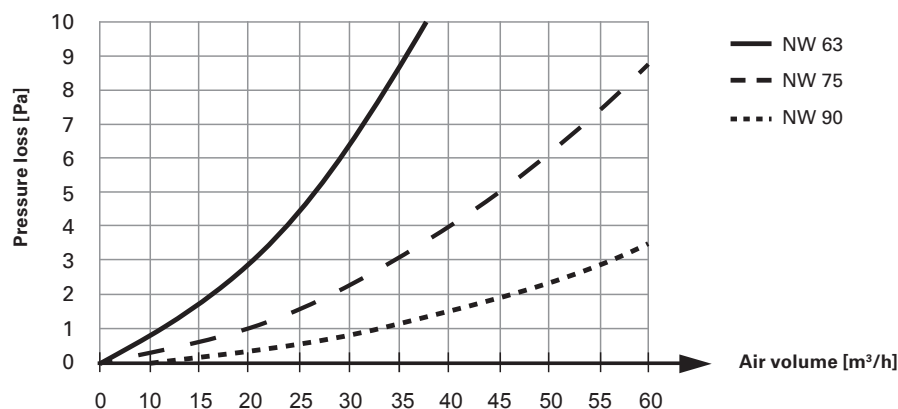
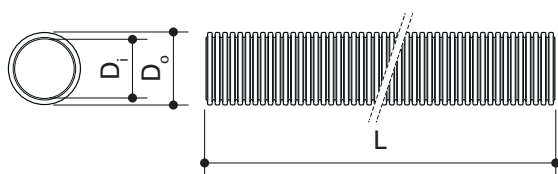
Ring stiffness

- NW 63 > 8 kN / m² EN ISO 9969
- NW 75 > 8 kN / m² EN ISO 9969
- NW 90 > 7 kN / m² EN ISO 9969

Airflow rate according to DIN 1946/6:

- NW 63 = max. 23 m³/h
- NW 75 = max. 30 m³/h
- NW 90 = max. 45 m³/h

Cat. no.	Description	D _i [mm]	D _o [mm]	L [m]	Coil ø [mm]	Coil height [mm]	Weight [kg]	PU [m]
78363305	in coils NW 63	54	64	50	1,130	320	15.50	50
78375302	in coils NW 75	63	76	20	1,050	210	6.80	20
78375305	in coils NW 75	63	76	50	1,100	350	17.00	50
78390302	in coils NW 90	78	91	20	1,130	250	9.00	20
78390305	in coils NW 90	78	91	50	1,130	460	22.50	50



Pressure loss in 1 m of pipe section

profi-air® pipe systems

profi-air classic



profi-air classic pipe, grey

Highly flexible double-walled corrugated pipe with antistatic and antibacterial pipe inside made of PE-HD to be installed in concrete ceilings, suspended ceilings, installation walls, risers or frames. The profi-air classic pipe with its smooth inner pipe surface allows easy cleaning.

The classic pipe is suitable for supply air and extract air.

- Permissible operating temperature: -25 to 60 °C
- Processing temperature up to max. -5 °C
- Bend radius: min. 15 cm



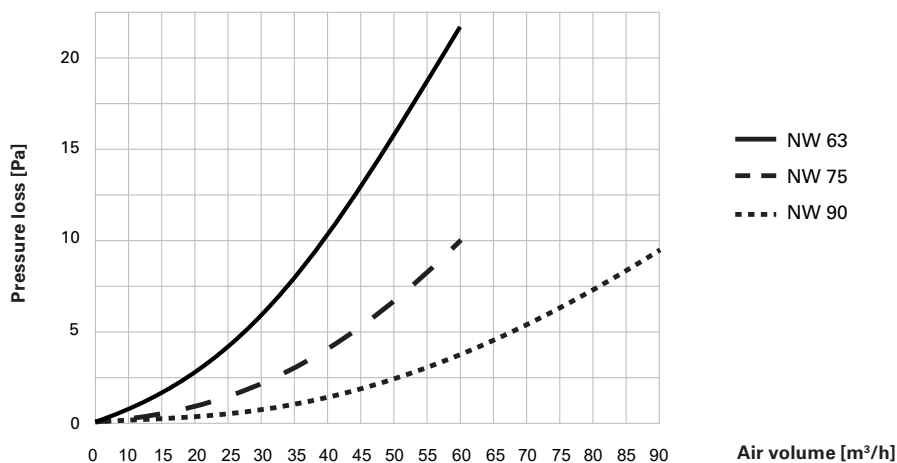
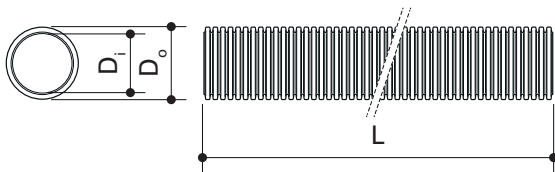
Ring stiffness

- NW 63 > 8 kN / m² EN ISO 9969
- NW 75 > 8 kN / m² EN ISO 9969
- NW 90 > 7 kN / m² EN ISO 9969

Airflow rate according to DIN 1946/6:

- NW 63 = max. 23 m³/h
- NW 75 = max. 30 m³/h
- NW 90 = max. 45 m³/h

Cat. no.	Description	D _i [mm]	D _o [mm]	L [m]	Coil ø [mm]	Coil height [mm]	Weight [kg]	PU [m]
78363805	in coils NW 63	52	64	50	950	380	13.60	50
78375805	in coils NW 75	63	76	50	1,040	380	14.60	50
78390805	in coils NW 90	78	91	50	1,180	410	20.00	50



Pressure loss in 1 m of pipe section

profi-air® pipe systems

profi-air classic



profi-air classic pipe, black

Highly flexible double-walled corrugated pipe with antistatic pipe inside made of PE-HD to be installed in concrete ceilings, suspended ceilings, installation walls, risers or frames. The profi-air classic pipe with its smooth inner pipe surface allows easy cleaning. The classic pipe is suitable for supply air and extract air.

- Permissible operating temperature: -25 to 60 °C
- Processing temperature up to max. -5 °C
- Bend radius: min. 15 cm

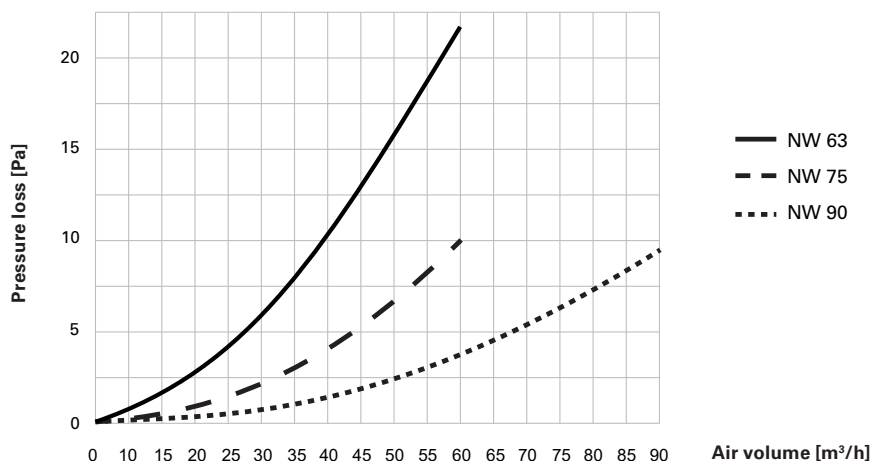
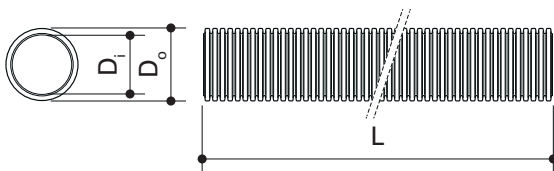
Ring stiffness

- NW 63 > 8 kN / m² EN ISO 9969
- NW 75 > 8 kN / m² EN ISO 9969
- NW 90 > 7 kN / m² EN ISO 9969

Airflow rate according to DIN 1946/6:

- NW 63 = max. 23 m³/h
- NW 75 = max. 30 m³/h
- NW 90 = max. 45 m³/h

Cat. no.	Description	D _i [mm]	D _o [mm]	L [m]	Coil ø [mm]	Coil height [mm]	Weight [kg]	PU [m]
78363505	in coils NW 63	52	64	50	950	380	13.60	50
78375505	in coils NW 75	63	76	50	1,040	380	14.60	50
78390505	in coils NW 90	78	91	50	1,180	410	20.00	50



Pressure loss in 1 m of pipe section

profi-air® pipe systems

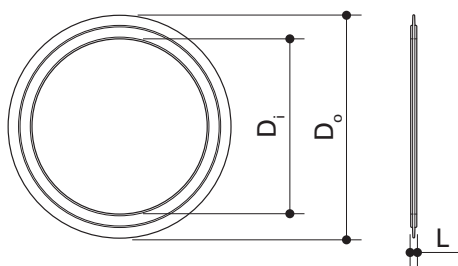
profi-air classic



profi-air classic sealing ring

EPDM sealing ring to seal profi-air classic connections. Due to the material properties, no additional lubricant is required.

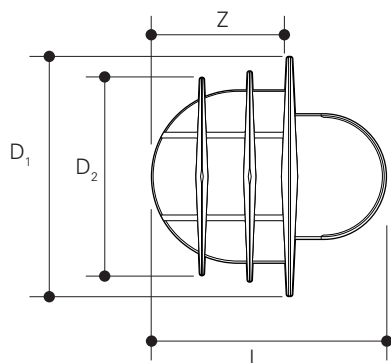
Cat. no.	Description	D _i [mm]	D _o [mm]	L [mm]	Weight [kg]	PU [pcs]
78363375	NW 63	49	65	2.3	0.002	10
78375375	NW 75	59	76	2.3	0.003	10
78390375	NW 90	73	90	2.3	0.004	10



profi-air classic end plug

TPE end plug to seal profi-air classic pipes hygienically.

Cat. no.	Description	D ₁ [mm]	D ₂ [mm]	L [mm]	Z [mm]	Weight [kg]	PU [pcs]
78363371	NW 63	63	54	67.5	35	0.024	5
78375371	NW 75	75	62	73.5	43	0.035	5
78390371	NW 90	90	75	77.5	47	0.050	5



profi-air® pipe systems

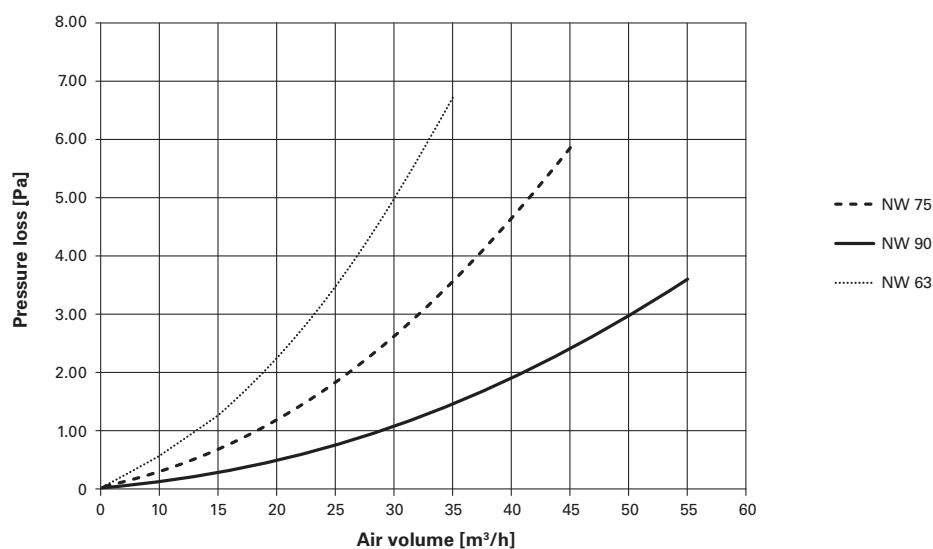
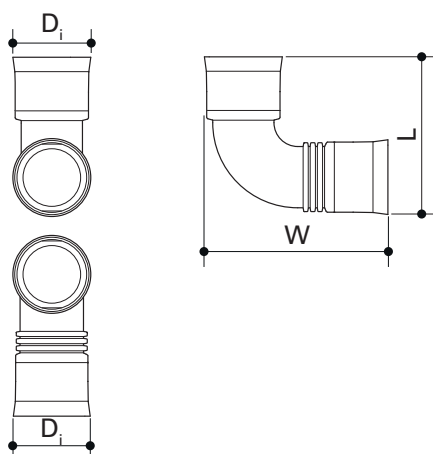
profi-air classic



profi-air classic 90° bend plus

PE-HD 90° bend for the horizontal or vertical redirection of airflows to connect profi-air classic pipe systems without tension. The bend can be cut on one side and thus allows connecting fitting with fitting.

Cat. no.	Description	D _i [mm]	L [mm]	W [mm]	Weight [kg]	PU [pcs]
78363341	NW 63	65	143	189	0.14	1
78375341	NW 75	77	162	218	0.18	1
78390341	NW 90	92	193	247	0.24	1



profi-air® pipe systems

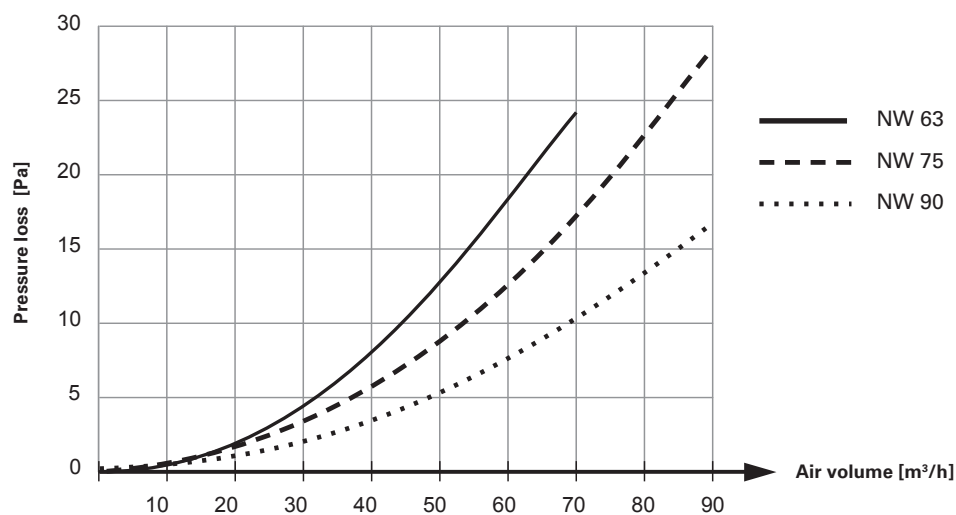
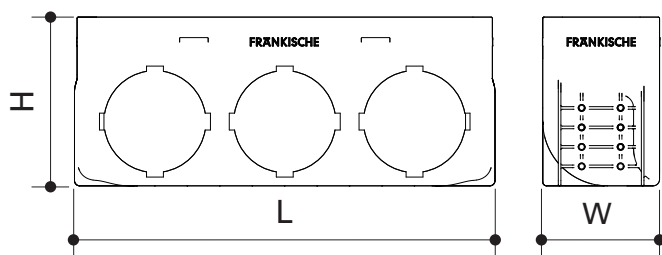
profi-air classic



profi-air classic 90° air outlet box

PS air outlet box to connect the profi-air classic pipe in combination with the profi-air classic connecting coupling NW 63, NW 75 and NW 90. Max. 3 pipes can be connected. Can be used for supply air and extract air. Can be mounted using mounting angles. Suitable for wall, floor and ceiling installations. Two profi-air classic bayonet connection plugs as well as step and splash protection included. The classic air outlet box provides the basis for the starline mounting frame plus.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300386	90°, 3-fold, 317 x 84 mm	320	90	130	0.638	1



profi-air® pipe systems

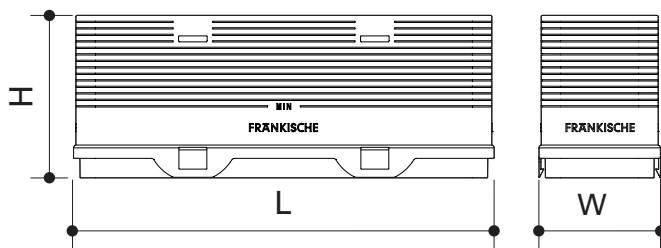
profi-air classic



profi-air 90° air outlet box extension

PP extension for the profi-air classic air outlet box and the profi-air tunnel air outlet box. Airtight connection to the air outlet box thanks to the integrated sealing ring. Mounting by means of locking pins.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300086	for air outlet box 317 x 84 mm	320	93	125	0.305	1



profi-air® pipe systems

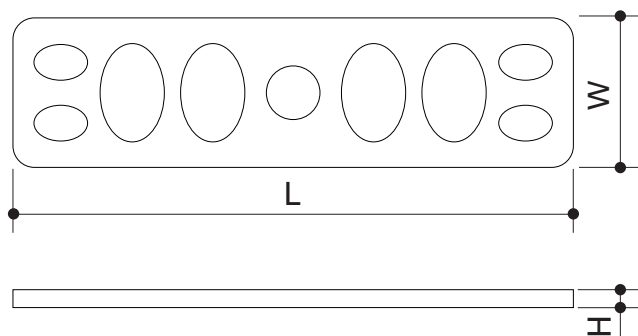
profi-air classic



profi-air air outlet box regulator

Plastic/foam airflow regulating element for the manual airflow regulation for use in the profi-air classic air outlet box and the profi-air tunnel air outlet box. Nine setting ranges by opening/closing pre-punched openings. Suitable for supply air and extract air.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300007	for air outlet box 317 x 84 mm	317	84	10	0.01	1



profi-air® pipe systems

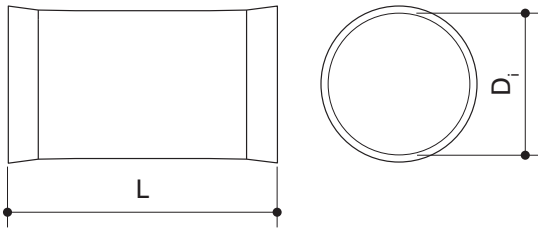
profi-air classic



profi-air classic coupling

PE coupling to connect profi-air classic pipes. The integrated limit stop prevents the pipe from being inserted too far. Retaining nubs provide for a secure connection between the pipe and the coupling.

Cat. no.	Description	D _i [mm]	L [mm]	Weight [kg]	PU [pcs]
78363310	NW 63	65	110	0.04	1
78375310	NW 75	77	130	0.04	1
78390310	NW 90	92	148	0.08	1



profi-air® pipe systems

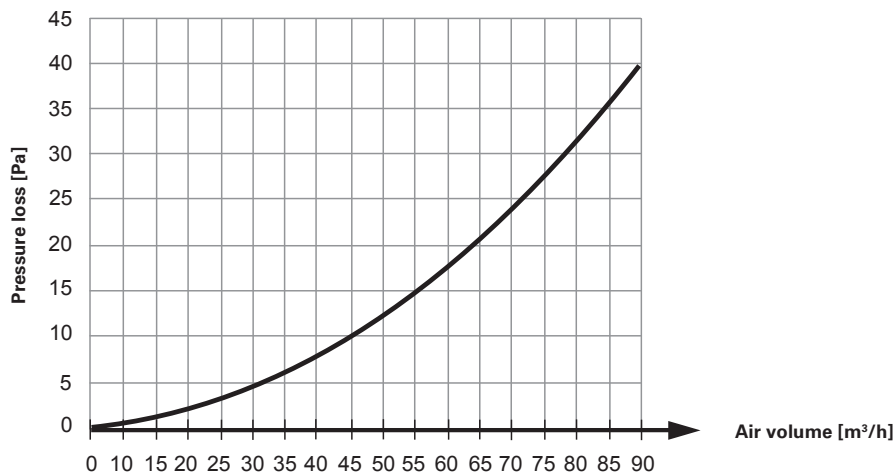
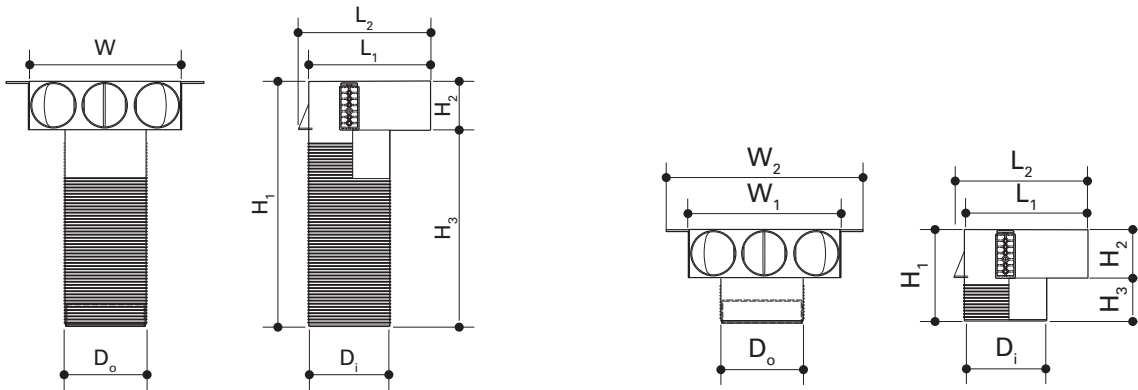
profi-air classic



profi-air classic 90° air outlet plus

PP 90° air outlet to connect to a valve. Can be universally used for supply air or extract air. Can be installed in walls, floors or ceilings. Can be mounted using mounting angles. Equipped with flow-optimised plugs on both sides. Valve connection sealed with an adjustable DN 125 air outlet cap. Available in short and long design.

Cat. no.	Description	D_i [mm]	D_o [mm]	L_1 [mm]	L_2 [mm]	W_1 [mm]	W_2 [mm]	H_1 [mm]	H_2 [mm]	H_3 [mm]	Weight [kg]	PU [pcs]
78363381	DN 125 - 3 x NW 63	125	130	185	199	234	237	371	74	297	1.04	1
78363382	short DN 125 - 3 x NW 63	125	130	185	199	234	237	138	74	64	0.76	1



profi-air® pipe systems

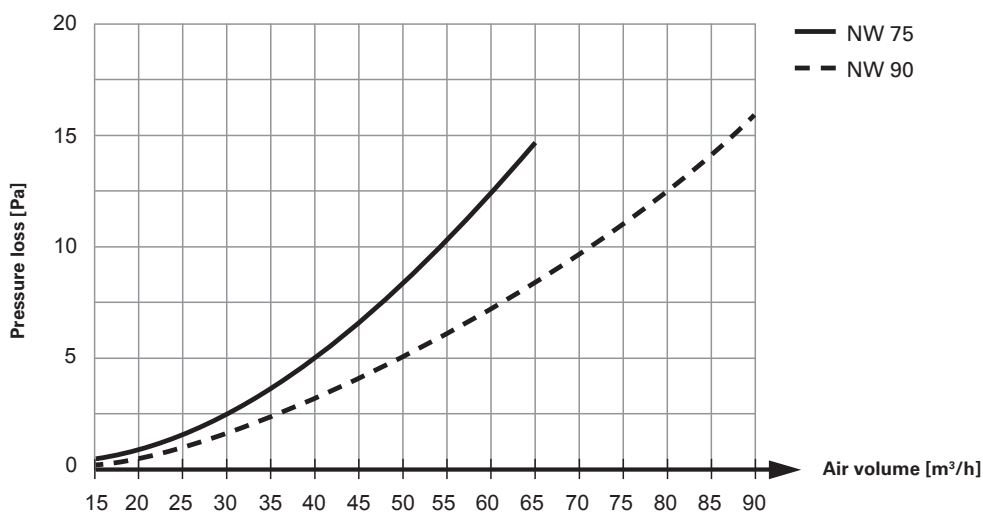
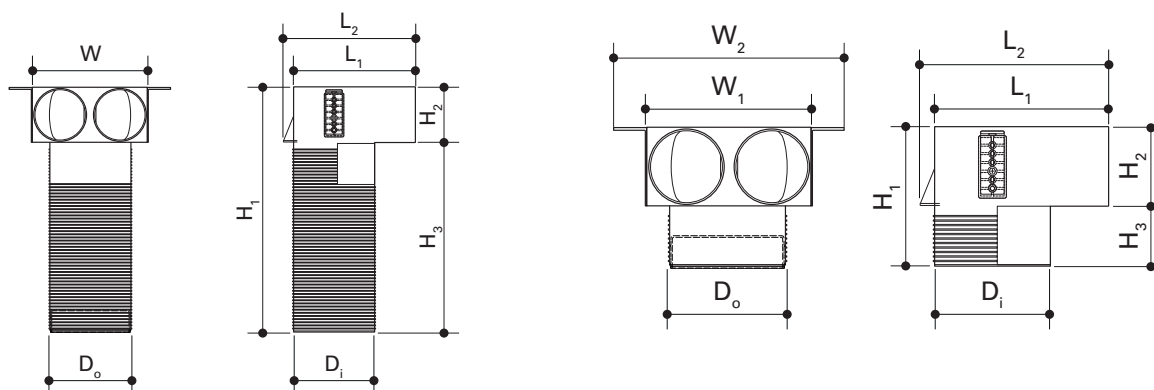
profi-air classic



profi-air classic 90° air outlet plus

PP 90° air outlet to connect to a valve. Can be universally used for supply air or extract air. Can be installed in walls, floors or ceilings. Can be mounted using mounting angles. Equipped with a flow-optimised plug on one side. Valve connection sealed with an adjustable DN 125 air outlet cap. Available in short and long design.

Cat. no.	Description	D _i [mm]	D _o [mm]	L ₁ [mm]	L ₂ [mm]	W ₁ [mm]	W ₂ [mm]	H ₁ [mm]	H ₂ [mm]	H ₃ [mm]	Weight [kg]	PU [pcs]
78375381	DN 125 2x NW 75	125	130	191	205	180	237	383	86	297	0.91	1
78390381	DN 125 2x NW 90	125	130	197	210	211	237	400	103	297	1.03	1
78375382	short DN 125 2x NW 75	125	130	191	205	180	237	150	86	64	0.47	1
78390382	short DN 125 2x NW 90	125	130	197	210	211	237	167	103	64	0.75	1



profi-air® pipe systems

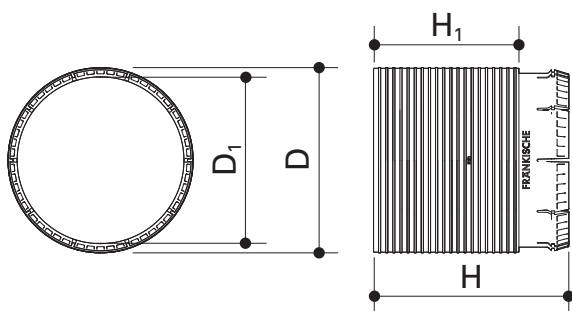
profi-air classic



profi-air classic extension for 90° air outlet plus DN 125

PC/ABS extension for the profi-air classic air outlet plus DN 125. Airtight connection to the air outlet plus DN 125 thanks to the integrated sealing ring.

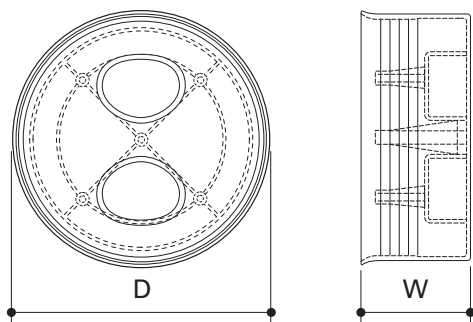
Cat. no.	Description	D1 [mm]	D [mm]	H1 [mm]	H [mm]	Weight [kg]	PU [pcs]
78312086	for 90° air outlet plus DN 125	125	129	100	137	0.140	1



profi-air classic concrete formwork cover plus

PS concrete formwork cover to secure the profi-air 90° air outlet plus on in-situ concrete cladding coverings. Can be mounted using two steel nails included with the delivery.

Cat. no.	Description	D [mm]	W [mm]	Weight [kg]	PU [pcs]
78300081	DN 125	125	65	0.13	1



profi-air® pipe systems

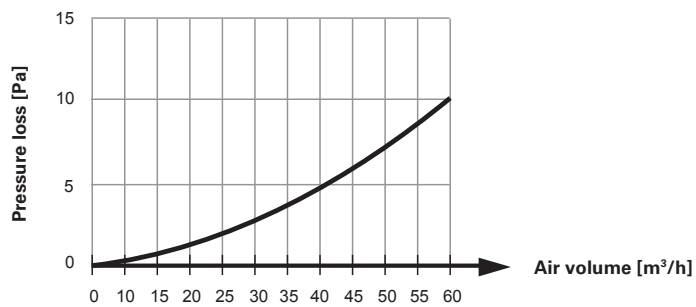
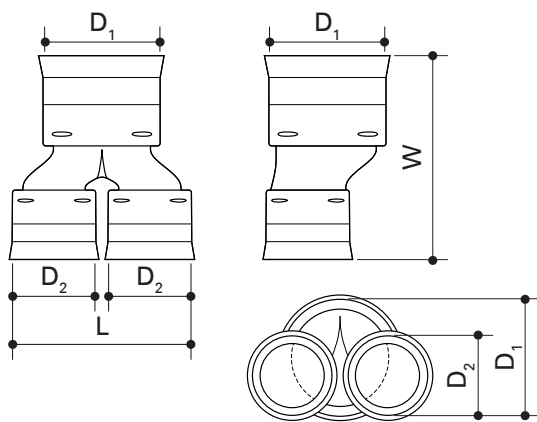
profi-air classic



profi-air classic adapter

PE-HD straight adapter to reduce profi-air classic from NW 90 to 2x NW 63.

Cat. no.	Description	D ₁ [mm]	D ₂ [mm]	L [mm]	W [mm]	Weight [kg]	PU [pcs]
78390330	NW 90 - 2 x NW 63	92	65	151	166	0.11	1



profi-air® pipe systems

profi-air tunnel / classic

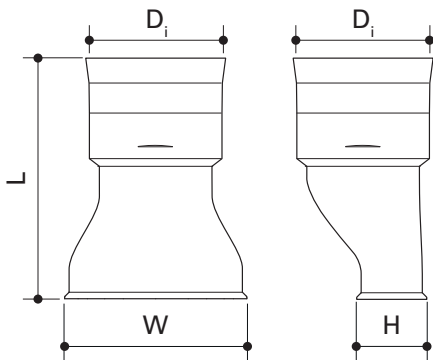


profi-air adapter tunnel / classic

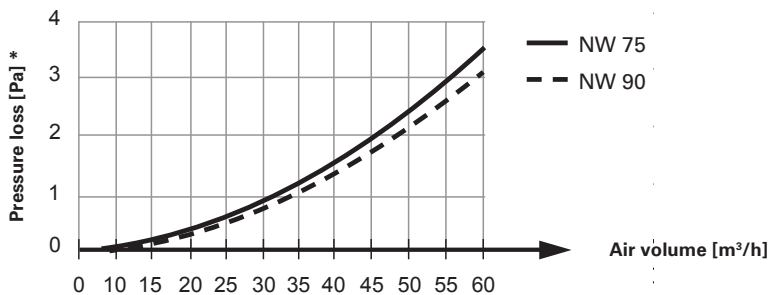
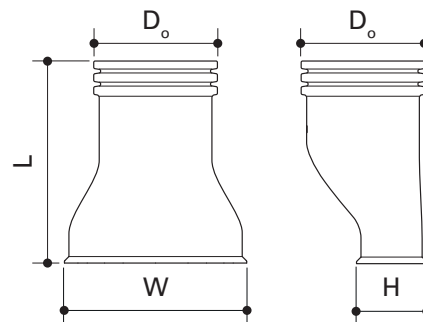
PE-HD straight adapter to connect profi-air tunnel pipes and/or fittings to profi-air classic pipes and/or fittings.

Cat. no.	Description	D _i [mm]	D _o [mm]	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78313223	i 132 x 52 mm - pipe NW 75	77	-	162	132	52	0.09	1
78313224	i 132 x 52 mm - pipe NW 90	92	-	162	132	52	0.09	1
78313225	e 132 x 52 mm - fitting NW 90	-	91	147	132	52	0.09	1

78313223 / 78313224



78313225



*Including profi-air sealing and connecting element, cat. no.: 78313210

profi-air® pipe systems

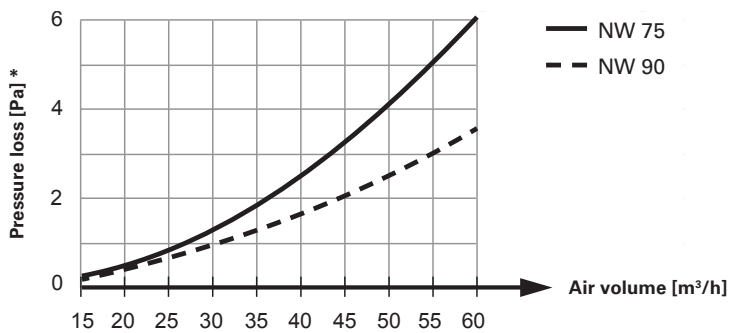
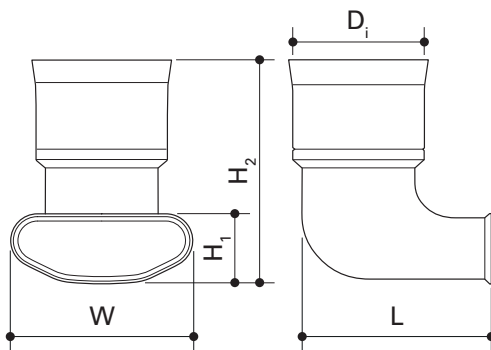
profi-air tunnel / classic



profi-air 90° adapter bend

PE-HD 90° bend to connect profi-air tunnel pipes and/or fittings to profi-air classic pipes.

Cat. no.	Description	D _i [mm]	L [mm]	W [mm]	H ₁ [mm]	H ₂ [mm]	Weight [kg]	PU [pcs]
78313226	132 x 52 mm - pipe NW 75	77	138	132	52	147	0.11	1
78313227	132 x 52 mm - pipe NW 90	92	148	132	52	163	0.13	1



*Including profi-air sealing and connecting element, cat. no.: 78313210

profi-air® pipe systems

profi-air Ovalekanal

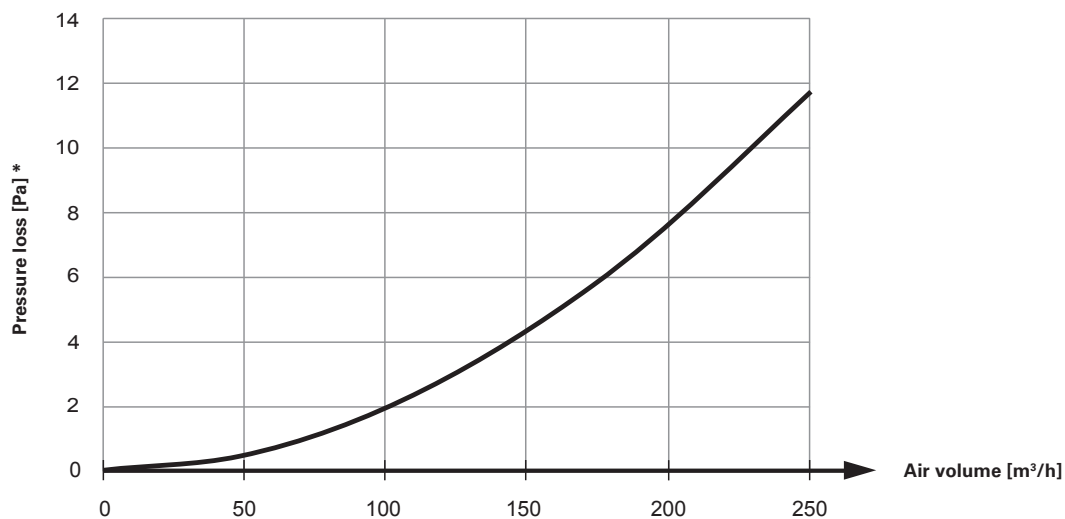
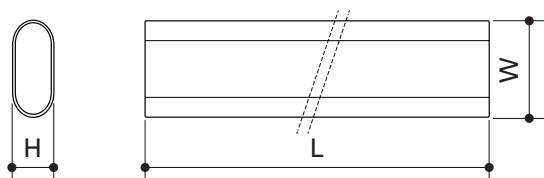


profi-air Ovalekanal pipe, white

ABS oval-shaped pipe to connect a manifold and a ventilation unit for wall or ceiling installation. The Ovalekanal pipe is not hard-wearing; to be installed on the wall / ceiling. The Ovalekanal pipe is suitable for supply air and extract air.

- Permissible operating temperature: -25 to 60 °C
- Processing temperature up to max. -5 °C

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78316401	in straight lengths 163 x 68 mm	1150	163	68	0.90	4



Pressure loss per 1 m of pipe length

*Including profi-air Ovalekanal sealing and connecting element, cat. no. 78316410

profi-air® accessories

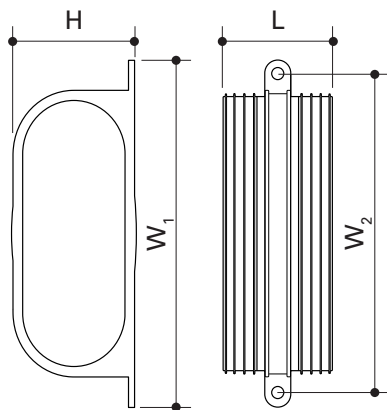
profi-air Ovalkanal



profi-air Ovalkanal connecting element

Connecting element including seal made of PP to connect Ovalkanal pipes, Ovalkanal fittings, profi-air tunnel Ovalkanal flat manifolds as well as Ovalkanal flat manifolds 6-fold. Lip seals on both sides provide airtight connections. The integrated retaining brackets allow mounting profi-air Ovalkanal on walls or ceilings.

Cat. no.	Description	L [mm]	W ₁ [mm]	W ₂ [mm]	H [mm]	Weight [kg]	PU [pcs]
78316410	163 x 68 mm	63	200	185	70	0.07	5



profi-air® pipe systems

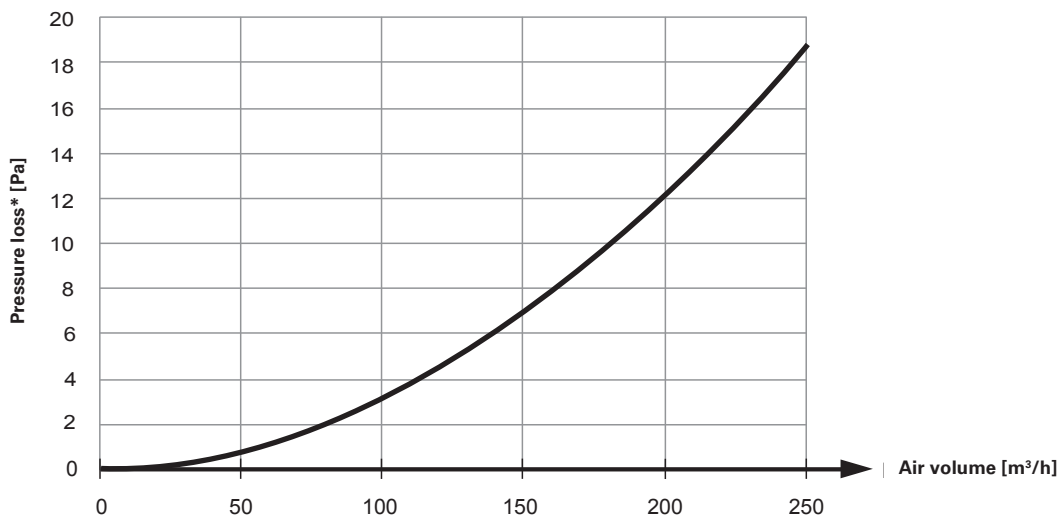
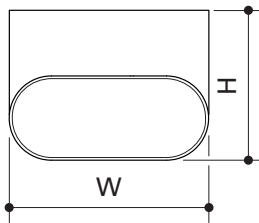
profi-air Ovalkanal



profi-air Ovalkanal 90° bend, vertical

PE-HD 90° bend for the vertical redirection of the Ovalkanal system. The Ovalkanal bend is suitable for supply air and extract air.

Cat. no.	Description	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78316440	163 x 68 mm	163	106	0.15	1



*Including profi-air Ovalkanal sealing and connecting element, cat. no. 78316410

profi-air® pipe systems

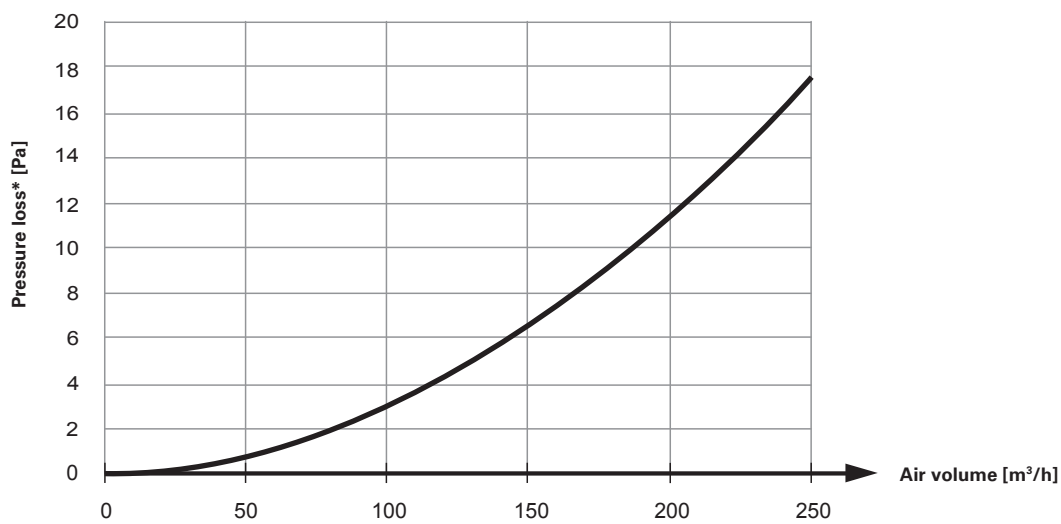
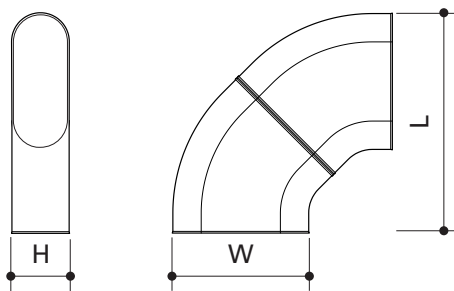
profi-air Ovalkanal



profi-air Ovalkanal 90° bend, horizontal

PE-HD 90° bend for the horizontal redirection of the Ovalkanal system. The Ovalkanal bend is suitable for supply air and extract air.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78316441	163 x 68 mm	264	163	68	0.28	1



*Including profi-air Ovalkanal sealing and connecting element, cat. no. 78316410

profi-air® pipe systems

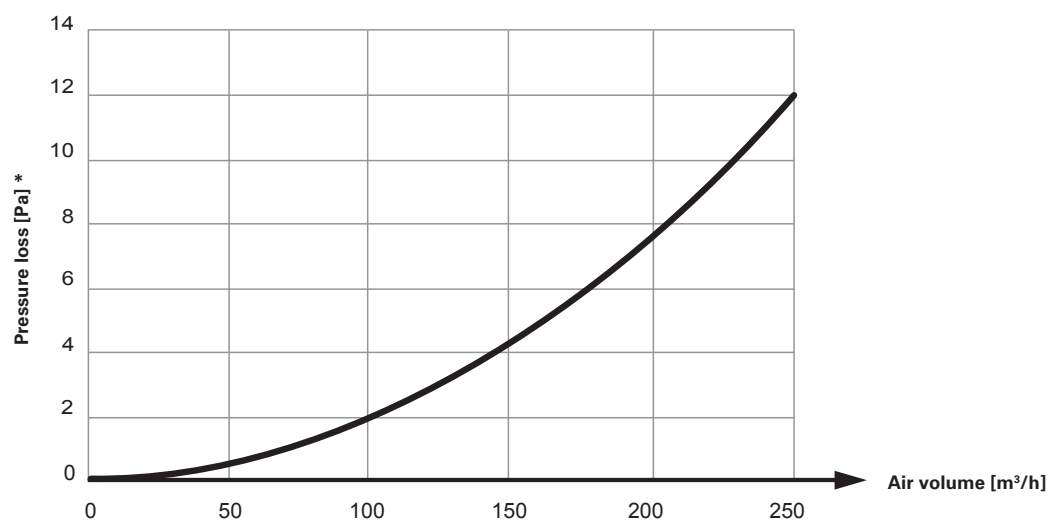
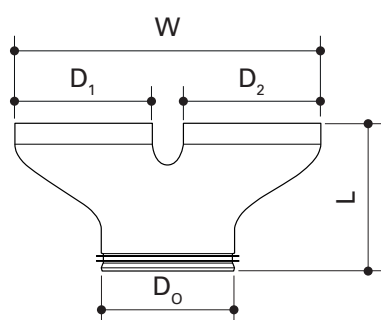
profi-air Ovalkanal



profi-air Ovalkanal adapter

PE-HD adapter to connect an Ovalkanal and a profi-air iso pipe. The integrated lip seal provides an airtight connection between profi-air iso pipe and the adapter. The Ovalkanal adapter is suitable for supply air and extract air.

Cat. no.	Description	D ₀ [mm]	D ₁ [mm]	D ₂ [mm]	L [mm]	W [mm]	Weight [kg]	PU [pcs]
78316424	2x 163 x 68 mm - DN 160	160	163	163	175	363	0.25	1



*Including profi-air Ovalkanal sealing and connecting element, cat. no. 78316410

profi-air® pipe systems

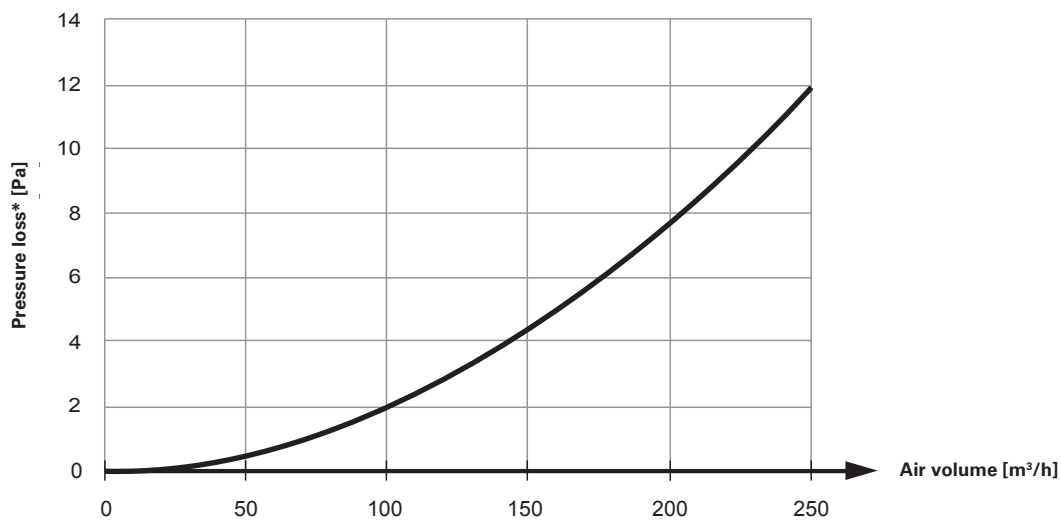
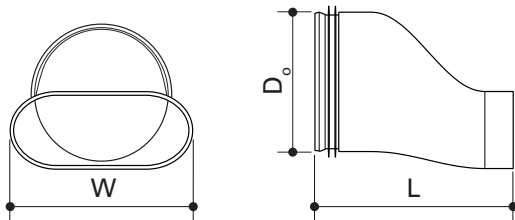
profi-air Ovalkanal



profi-air Ovalkanal adapter

PE-HD adapter to connect an Ovalkanal and a profi-air iso pipe. The integrated lip seal provides an airtight connection between profi-air iso pipe and the adapter. The Ovalkanal adapter is suitable for supply air and extract air.

Cat. no.	Description	D _o [mm]	L [mm]	W [mm]	Weight [kg]	PU [pcs]
78316425	163 x 68 mm - DN 125	125	175	163	0.14	1



*Including profi-air Ovalkanal sealing and connecting element, cat. no. 78316410

profi-air® pipe systems

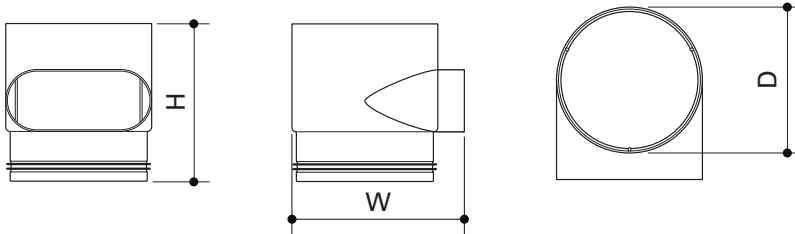
profi-air Ovalekanal



profi-air tee

PP tee to connect Ovalekanal and iso pipe. The tee is suitable for supply and extract air and can be either used to connect the profi-air flat manifold or for the floor distribution. The lip seal on one side seals the connection airtight. The integrated limit stop prevents the profi-air inspection plug DN 160 from being inserted too far.

Cat. no.	Description	D [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78316060	163 x 68 mm DN 160	166	190	170	0.55	1



profi-air® pipe systems

profi-air iso pipe

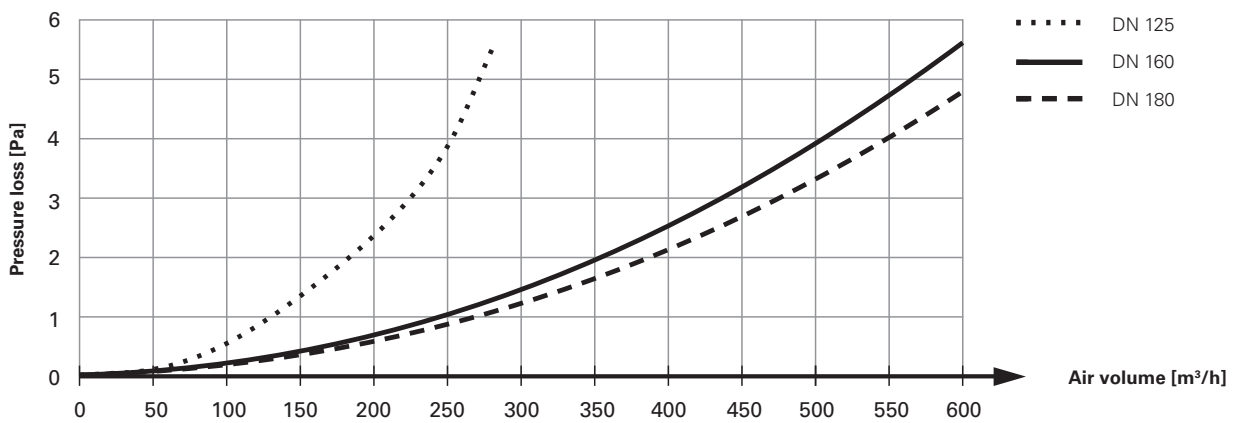
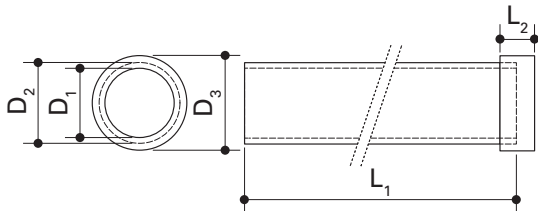


profi-air iso pipe

Completely insulated and vapour-tight EPP pipe featuring thermal conductivity group 037, including iso pipe coupling. Profi-air iso pipes are suitable for fresh, exhaust, supply and extract air.

- Permissible operating temperature: -25 to 80 °C

Cat. no.	Description	D ₁ [mm]	D ₂ [mm]	D ₃ [mm]	L ₁ [mm]	L ₂ [mm]	Weight [kg]	PU [pcs]
78312101	DN 125	125	155	185	1000	80	0.40	6
78316101	DN 160	160	190	220	1000	80	0.50	4
78318101	DN 180	180	210	240	1000	80	0.55	3



profi-air® pipe systems

profi-air iso pipe

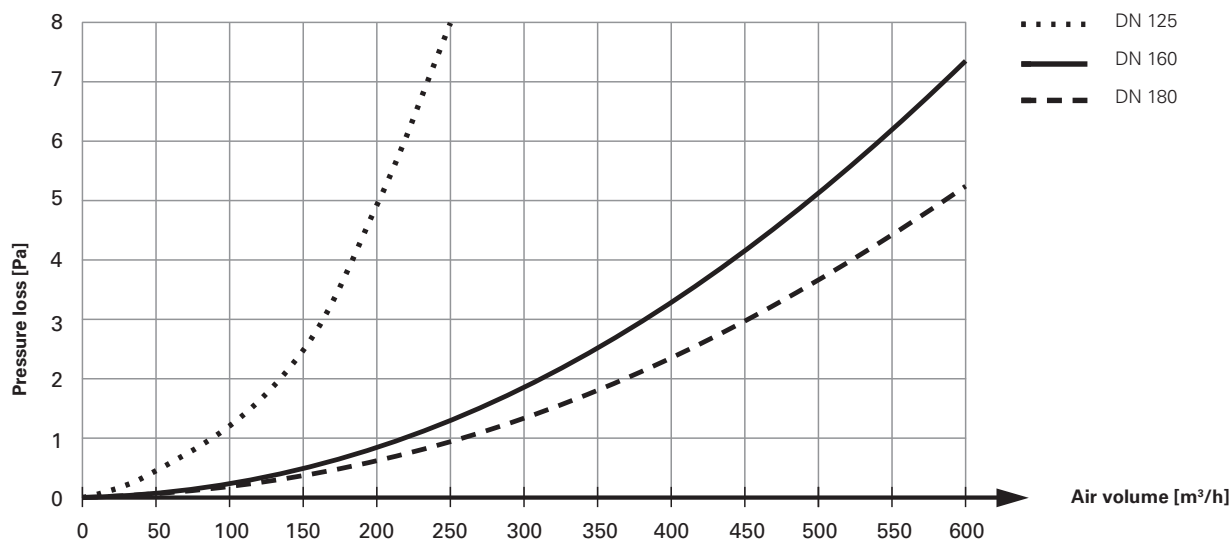
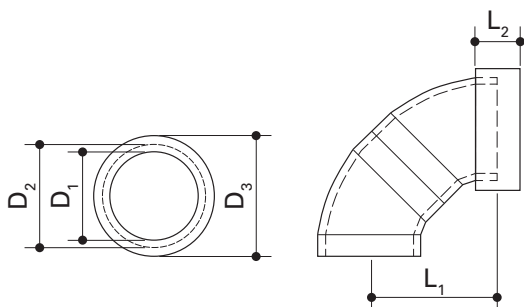


profi-air iso 90° bend

Completely insulated and vapour-tight EPP 90° bend featuring thermal conductivity group 037, including iso pipe coupling. Due to the notch placed in the middle, the bend can be split into two 45° bends. profi-air iso bends are suitable for fresh, exhaust, supply and extract air.

- Permissible operating temperature: -25 to 80 °C

Cat. no.	Description	D ₁ [mm]	D ₂ [mm]	D ₃ [mm]	L ₁ [mm]	L ₂ [mm]	Weight [kg]	PU [pcs]
78312140	DN 125	125	155	185	200	80	0.22	4
78316140	DN 160	160	190	220	200	80	0.28	3
78318140	DN 180	180	210	240	215	80	0.30	3



profi-air® pipe systems

profi-air iso pipe

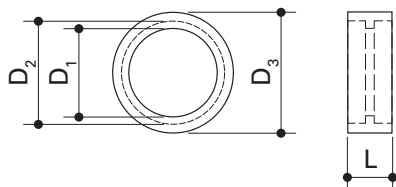


profi-air iso coupling

Completely insulated and vapour-tight EPP coupling featuring thermal conductivity group 037. profi-air iso couplings are suitable for fresh, exhaust, supply and extract air.

- Permissible operating temperature: -25 to 80 °C

Cat. no.	Description	D ₁ [mm]	D ₂ [mm]	D ₃ [mm]	L [mm]	Weight [kg]	PU [pcs]
78312110	DN 125	125	155	185	80	0.10	6
78316110	DN 160	160	190	220	80	0.14	6
78318110	DN 180	180	210	240	80	0.15	6

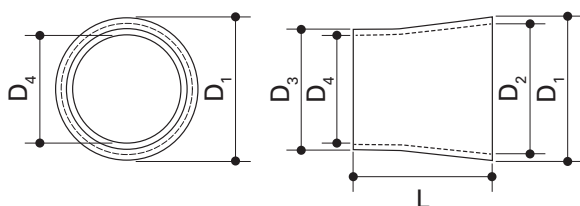


profi-air iso reducer




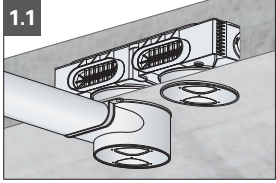
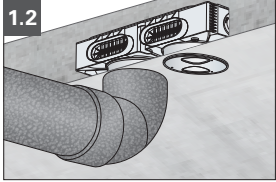
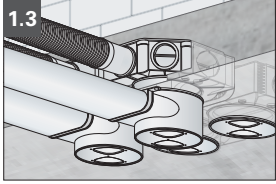
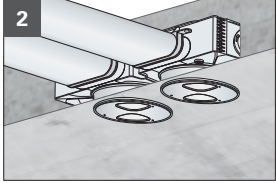
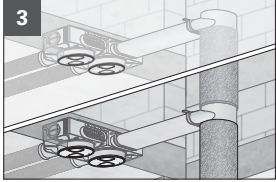
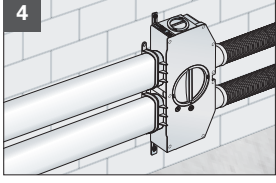
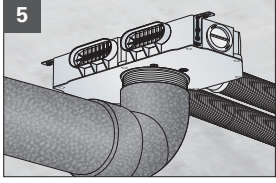
Completely insulated and vapour-tight EPP reducer featuring thermal conductivity group 037 to connect profi-air iso pipes and fittings. profi-air iso reducers are suitable for fresh, exhaust, supply and extract air.

- Permissible operating temperature: -25 to 80 °C

Cat. no.	Description	D ₁ [mm]	D ₂ [mm]	D ₃ [mm]	D ₄ [mm]	L ₁ [mm]	Weight [kg]	PU [pcs]
78312120	DN 160 / DN 125	190	160	155	125	170	0.08	2
78316120	DN 180 / DN 160	210	180	190	160	200	0.11	2



profi-air flat manifold – installation overview

		profi-air flat manifold 6-fold	profi-air concrete formwork set DN 160	profi-air tee DN 160 163 x 68 mm
				
		78316007	78316073	78316060
profi-air flat manifold Installation in concrete	1.1 	✓	✓	✓
	1.2 	✓	✓	—
	1.3 	✓	✓	✓
	2 	✓	✓	—
profi-air flat manifold Floor distribution	3 	—	—	✓
profi-air flat manifold Installation on the wall / ceiling	4 	✓	—	—
	5 	✓	—	—

profi-air connection coupling DN 160  78316072	profi-air inspection plug DN 160  78316071	profi-air connection nipple DN 160  78316820	profi-air Ovalkanal 163 x 68 mm product range  783164xx	profi-air iso pipe product range  783161xx
—	—	—	✓	—
—	—	✓	—	✓
—	—	—	✓	—
—	—	—	✓	—
—	✓	—	✓	—
—	—	—	✓	—
✓	—	✓	—	✓

profi-air® pipe systems

profi-air manifold



profi-air flat manifold 6-fold

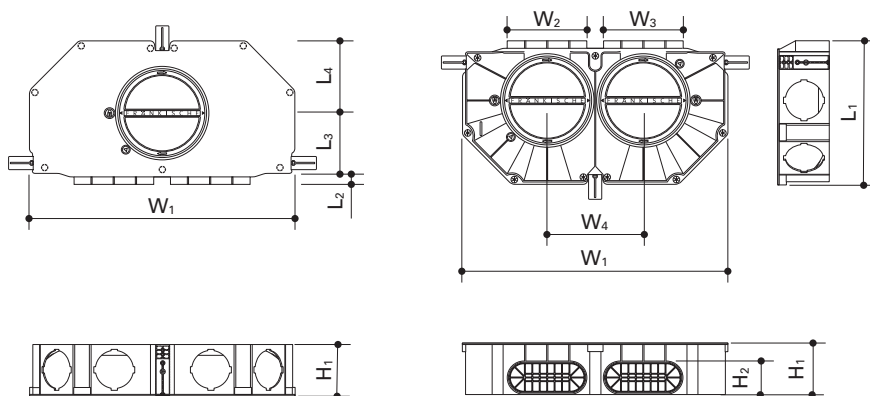
PS/ABS distribution box for supply or extract air for installation in in-situ cladding concrete ceilings, filigree ceilings, screed, on walls or ceilings. Six variable connection options for profi-air classic NW 63, NW 75, NW 90. The connection of two flat manifolds 6-fold with two Ovalkanal sealing elements creates 12 connection options. Three inspection openings are meant for inspection and cleaning. Four classic connection plugs and three pre-assembled mounting angles included. Variable main connection with Ovalkanal or iso pipe DN 160 (accessories required).

The connection to profi-air Ovalkanal is established using an Ovalkanal sealing element. The connection to the profi-air classic or tunnel pipe is established using a profi-air connection coupling. Constant volume flow controllers or classic regulators can be optionally used in manifold outlets.

- Permissible airflow rates: max. 270 m³/h
- Outlets: 6x bayonet to NW 63/75/90

Cat. no.	Description	Weight [kg]	PU [pcs]
78316007	6 x NW 63 - 90	2.06	1

L ₁ [mm]	L ₂ [mm]	L ₃ [mm]	L ₄ [mm]	W ₁ [mm]	W ₂ [mm]	W ₃ [mm]	W ₄ [mm]	H ₁ [mm]	H ₂ [mm]
300	17	132	151	552	163	163	200	109	68

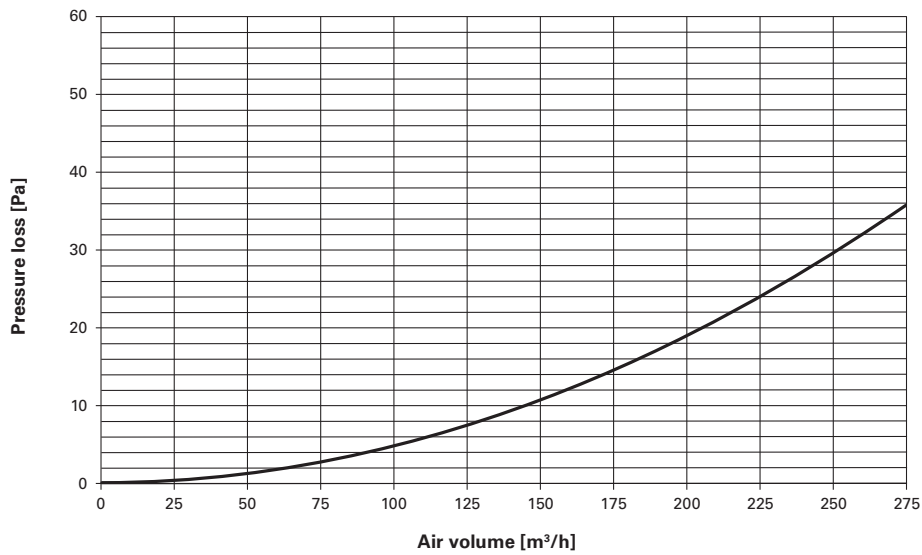


profi-air[®] pipe systems

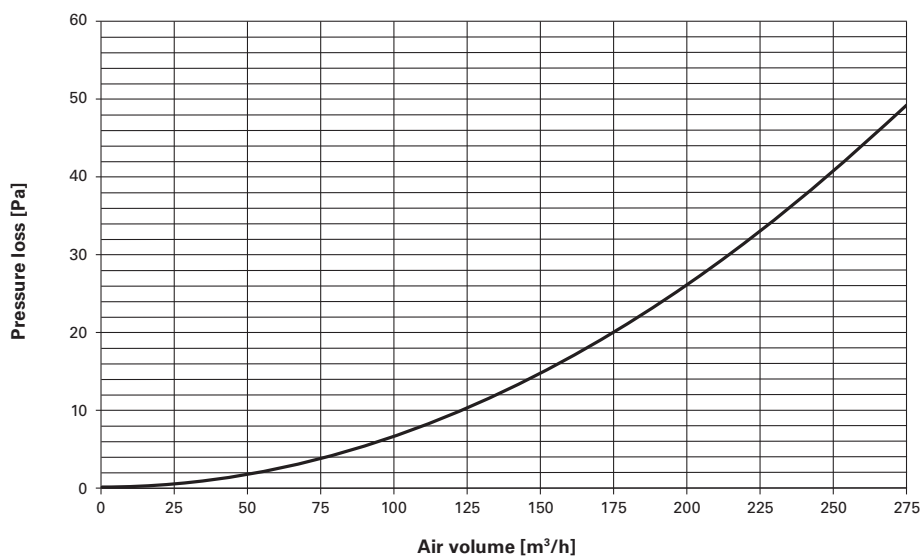
profi-air manifold

profi-air flat manifold 6-fold

Passage distribution



90° distribution



profi-air® pipe systems

profi-air manifold



profi-air concrete formwork set DN 160

Set comprising:

2x profi-air concrete formwork cover DN 160

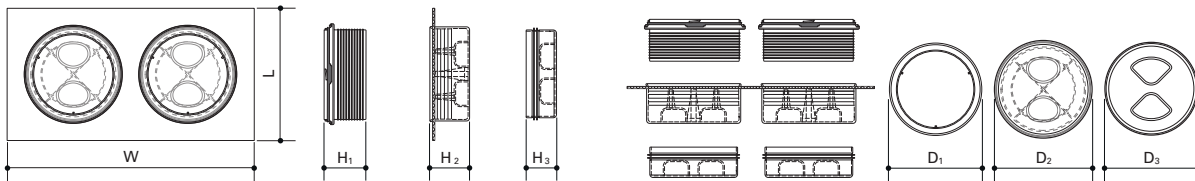
2x profi-air connection coupling DN 160

2x profi-air inspection plug DN 160

The set in connection with the profi-air flat manifold 6-fold is required for the installation in in-situ concrete ceilings.

The concrete formwork covers DN 160 are fixed using the included steel nails; a cardboard mounting aid is used to maintain the correct spacing.

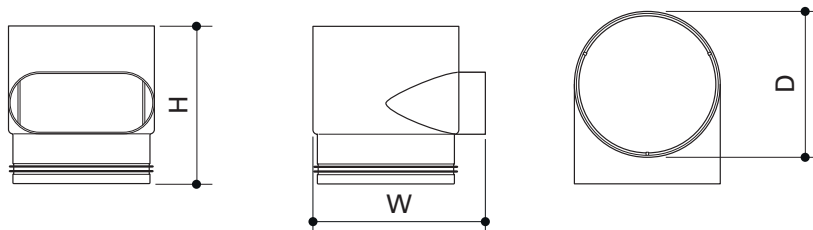
Cat. no.	Description	D ₁ [mm]	D ₂ [mm]	D ₃ [mm]	L [mm]	W [mm]	H ₁ [mm]	H ₂ [mm]	H ₃ [mm]	Weight [kg]	PU [pcs]
78316073	DN 160	160	171	158	230	430	75	60	47	1.113	1



profi-air tee

PP tee to connect Ovalkanal and iso pipe. The tee is suitable for supply and extract air and can be either used to connect the profi-air flat manifold or for the floor distribution. The lip seal on one side seals the connection airtight. The integrated limit stop prevents the profi-air inspection plug DN 160 from being inserted too far.

Cat. no.	Description	D [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78316060	163 x 68 mm DN 160	166	190	170	0.55	1



profi-air® pipe systems

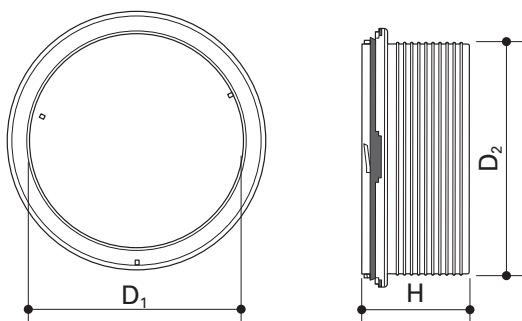
profi-air manifold



profi-air connection coupling DN 160

PP connection coupling to connect the profi-air flat manifold with the profi-air concrete formwork cover (accessory: concrete formwork set). The coupling features a bayonet connection with a rubber lip seal on one side and a DN 160 outlet with an integrated limit stop on the other side preventing inspection plugs DN 160 from being inserted too far. The connection coupling can be used for both supply and extract air.

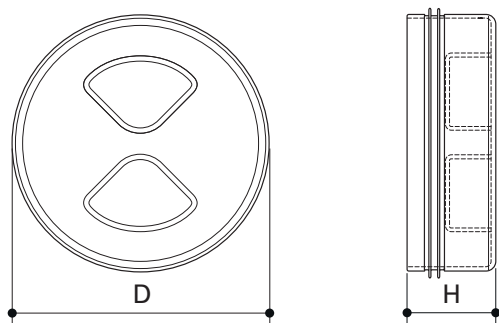
Cat. no.	Description	D [mm]	H [mm]	Weight [kg]	PU [pcs]
78316072	DN 160	160	75	0.15	1



profi-air inspection plug DN 160

PP inspection plug to seal the profi-air tee DN 160 and the profi-air connection coupling DN 160. The lip seal integrated on one side seals the connection airtight. The inspection plug can be used for both supply and extract air.

Cat. no.	Description	D [mm]	H [mm]	Weight [kg]	PU [pcs]
78316071	DN 160	158	47	0.201	1



profi-air® pipe systems

profi-air manifold



profi-air tunnel flat manifold, grey

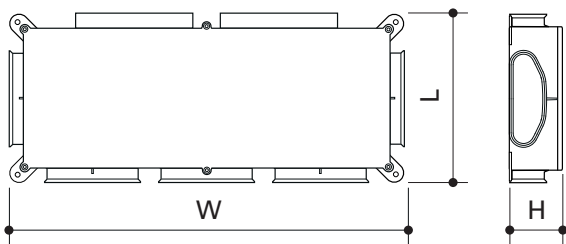
PS manifold for supply and extract air distribution to the profi-air outlets, including four fastening lugs. Inspection opening for inspection and cleaning.

- Permissible operating temperature: -25 to 60 °C
- Processing temperature up to max. -5 °

Permissible max. airflow rates when connected to:

- 78316425 = 165 m³/h
- 78316424 = 225 m³/h
- 78316424 = 330 m³/h (2 manifolds in parallel)

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78313005	5x 132 x 52 mm - 2x 163 x 68 mm	234	553	74	0.995	1



profi-air® pipe systems

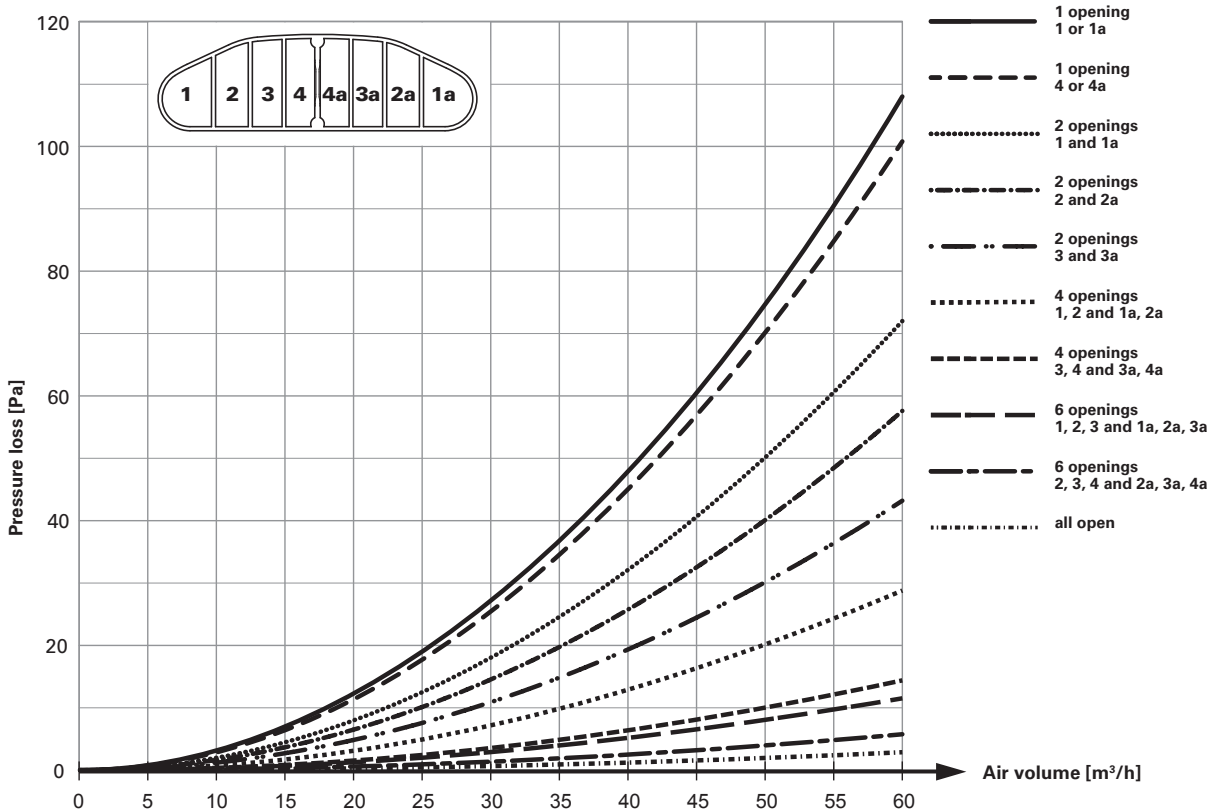
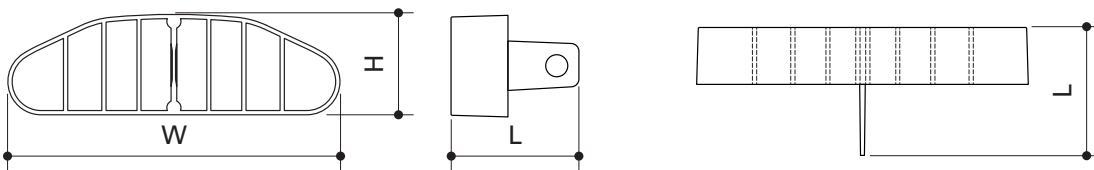
profi-air manifold



profi-air tunnel airflow regulating element

PS airflow regulating element to compensate for the pressure loss in the air distribution system. The airflow regulating element can be installed in the profi-air tunnel connecting element including seal.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78313299	132 x 52 mm	20	117	35	0.01	1



profi-air® pipe systems

profi-air manifold



profi-air classic manifold plus

Steel plate manifold for supply air or extract air with interior sound insulation lining, including mounting angles and connection plugs. The manifold can be used as a straight or 90° manifold. Two lateral inspection openings are meant for inspection and cleaning. Constant volume flow controllers or classic regulators can be optionally used in manifold outlets. Can be used in combination with profi-air classic pipe NW 63 / NW 75 / NW 90.

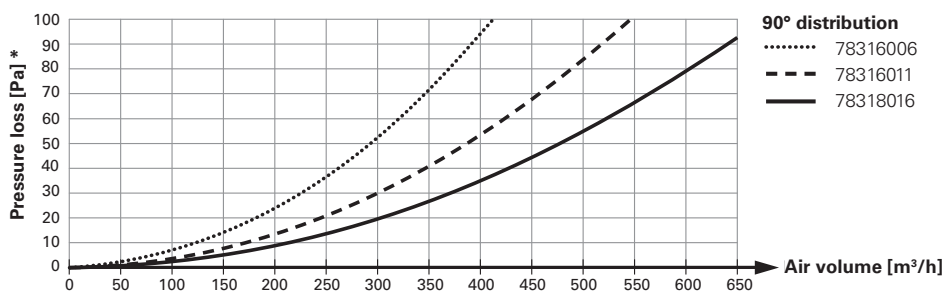
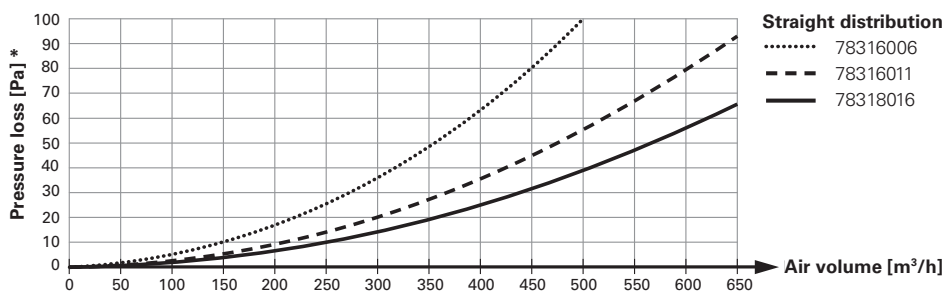
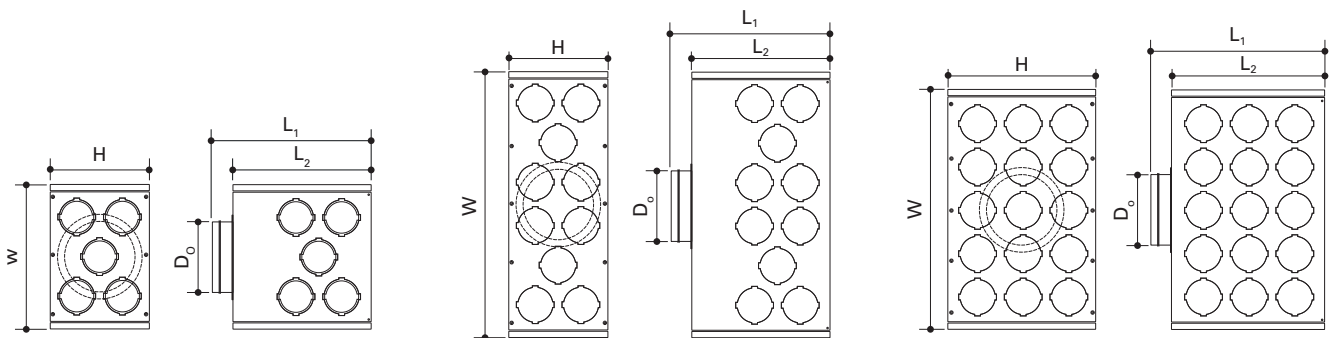
Permissible airflow rates when connected to:

- 78316006 = max. 225 m³/h
- 78316011 = max. 360 m³/h
- 78318016 = max. 450 m³/h

Included connection plugs:

- 78316006 = 7 connection plugs
- 78316011 = 14 connection plugs
- 78318016 = 18 connection plugs

Cat. no.	Description	D _o [mm]	L ₁ [mm]	L ₂ [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78316006	DN 160 - 5x NW 63-90	160	365	325	300	225	4.60	1
78316011	DN 160 - 10x NW 63-90	160	365	325	600	225	6.80	1
78318016	DN 180 - 15x NW 63-90	180	465	425	535	330	9.10	1



*Including profi-air classic connection coupling, cat. no. 78363321, 78375321 and 78390321

profi-air® pipe systems

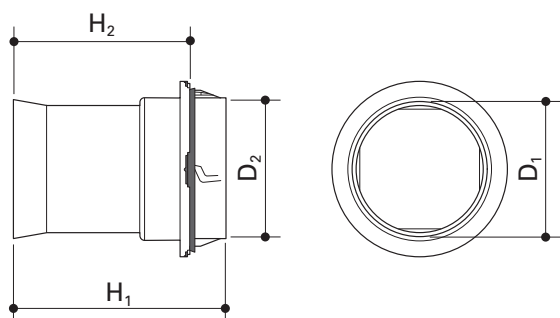
profi-air manifold



profi-air classic connection coupling

PP manifold connection coupling to directly connect a profi-air classic pipe to profi-air classic manifold plus. On one side, the coupling has an intake for the profi-air classic pipe, on the other side, it has a bayonet lock with seal to connect the manifold. The integrated limit stop prevents the pipe from being inserted too far. The pipe is held in the coupling by means of integrated retaining nubs.

Cat. no.	Description	D ₁ [mm]	D ₂ [mm]	H ₁ [mm]	H ₂ [mm]	Weight [kg]	PU [pcs]
78363321	NW 63	73	80	102	82	0.060	1
78375321	NW 75	84	80	111	91	0.062	1
78390321	NW 90	101	80	98	78	0.110	1



profi-air® pipe systems

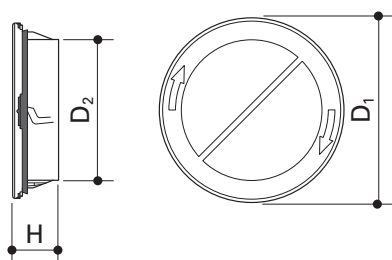
profi-air manifold



profi-air bayonet connection plug

PP connection plug with bayonet lock to seal profi-air manifolds easily and reliably. The sealing to the manifold is effected using an integrated seal.

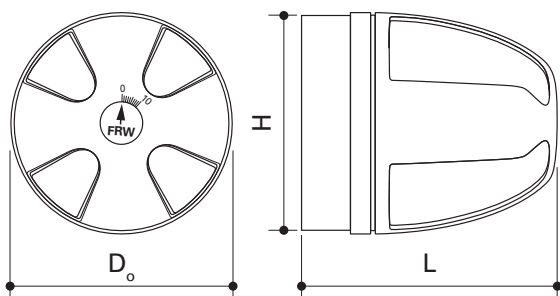
Cat. no.	Description	D ₁ [mm]	D ₂ [mm]	H [mm]	Weight [kg]	PU [pcs]
78300321	Bayonet	97	80	26	0.072	4



profi-air regulator

PP airflow regulating element for the manual airflow regulation in connection with the profi-air classic flat manifold 6-fold and the profi-air classic plus manifold. For direct installation in the profi-air classic connection coupling.

Cat. no.	Description	D _o [mm]	L [mm]	H [mm]	Weight [kg]	PU [pcs]
78300005	NW 63-90	80	91	78	0.04	1



profi-air® pipe systems

profi-air manifold



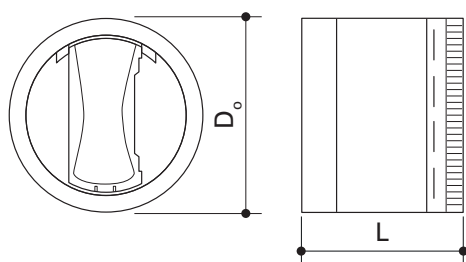
profi-air constant volume flow controller

Self-regulating constant volume flow controller for automatic, maintenance-free airflow regulation independent of the position, no auxiliary energy needed, with wear-free regulating element in a plastic housing in connection with the profi-air classic flat manifold 6-fold and the profi-air classic plus manifold. For direct installation in the profi-air classic connection coupling.

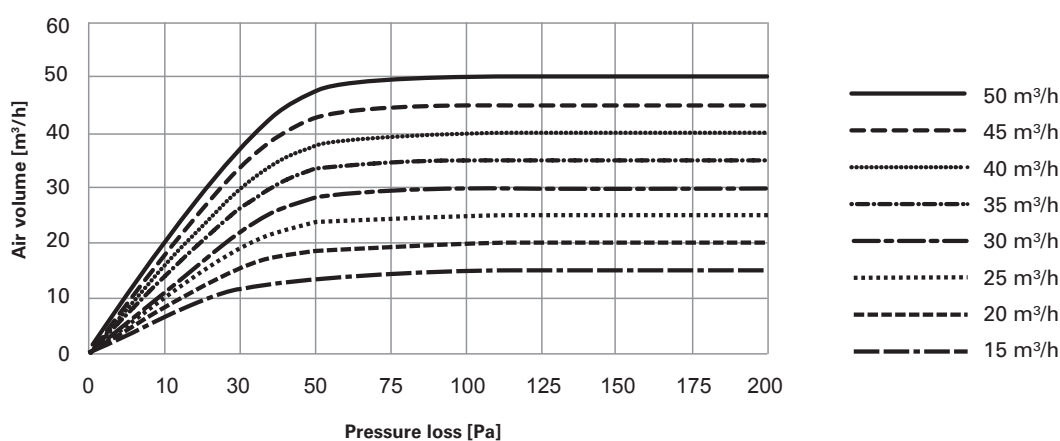
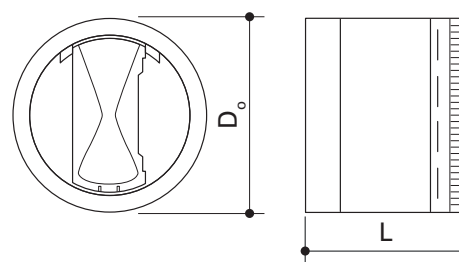
■ Tolerance value: +/- 5 m³/h.

Cat. no.	Description	D _o [mm]	L [mm]	Weight [kg]	PU [pcs]
78300015	1 Constant volume flow 15 m ³ /h	80	54	0.15	1
78300002	2 Constant volume flow 20-50 m ³ /h adjustable	80	75	0.15	1

78300015



78300002



profi-air® pipe systems

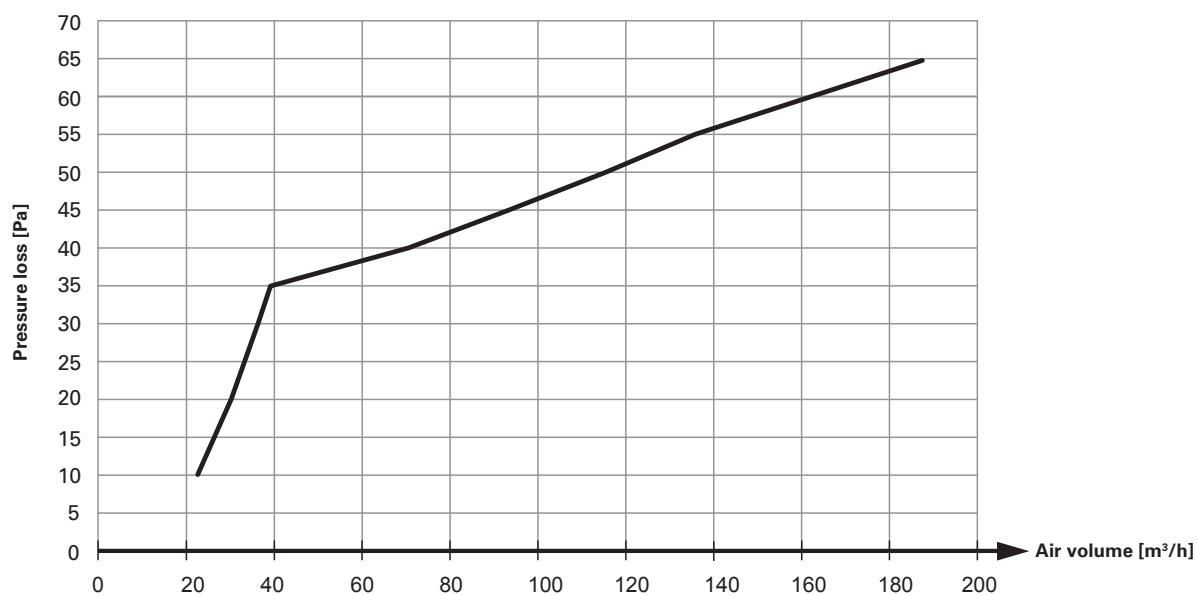
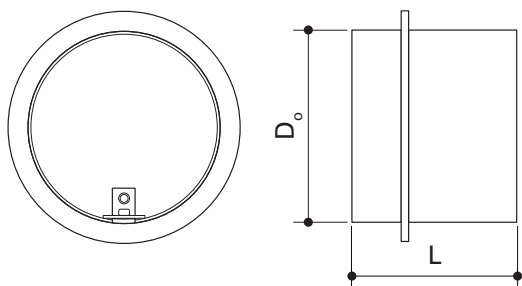
profi-air manifold



profi-air overflow element

Overflow element for profi-air classic manifold 6-fold and profi-air classic plus manifold when intensive ventilation is needed. The overflow element enables higher airflow rates in pre-defined rooms. For direct installation in the profi-air classic connection coupling. It is always to be used for supply air and extract air. Recommended for living rooms and kitchens.

Cat. no.	Description	D _o [mm]	L [mm]	Weight [kg]	PU [pcs]
78300001	Overflow element	80	54	0.10	1





starline® design grills

- Superior materials: metal and glass
- Satin (frosted) and multicolour surfaces of glass designs
- Design by sieger design
- Innovative magnetic fixing

starline® design grills

Mounting frame

A mounting frame is required for installing the starline design grills.



①



②



③

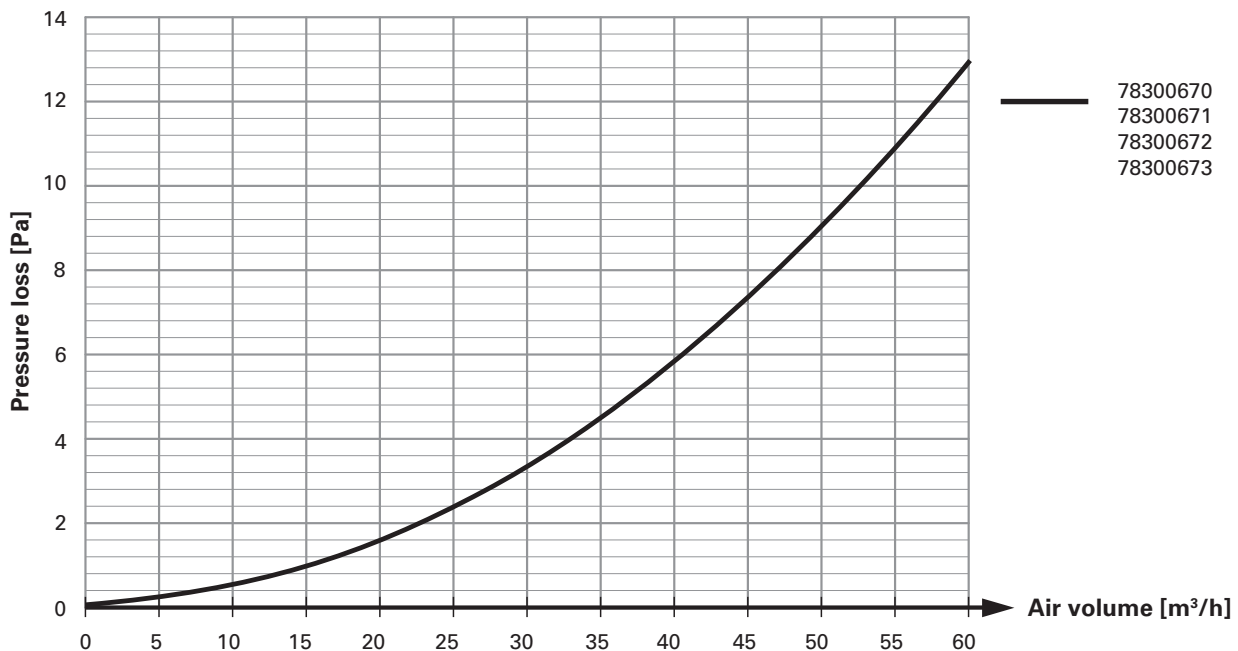
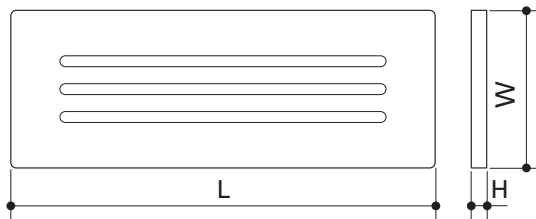


④

starline design grill HORIZON

Glass design grill HORIZON for supply air or extract air, including magnetic fixing. For use in combination with the starline mounting frame plus. Suitable for wall and ceiling installations.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300670	① HORIZON glass white pure	350	130	5.5	0.50	1
78300671	② HORIZON glass powder blue	350	130	5.5	0.50	1
78300672	③ HORIZON glass light brown	350	130	5.5	0.50	1
78300673	④ HORIZON glass black & white	350	130	5.5	0.50	1



starline® design grills

Mounting frame
A mounting frame is required for installing the starline design grills.



❶

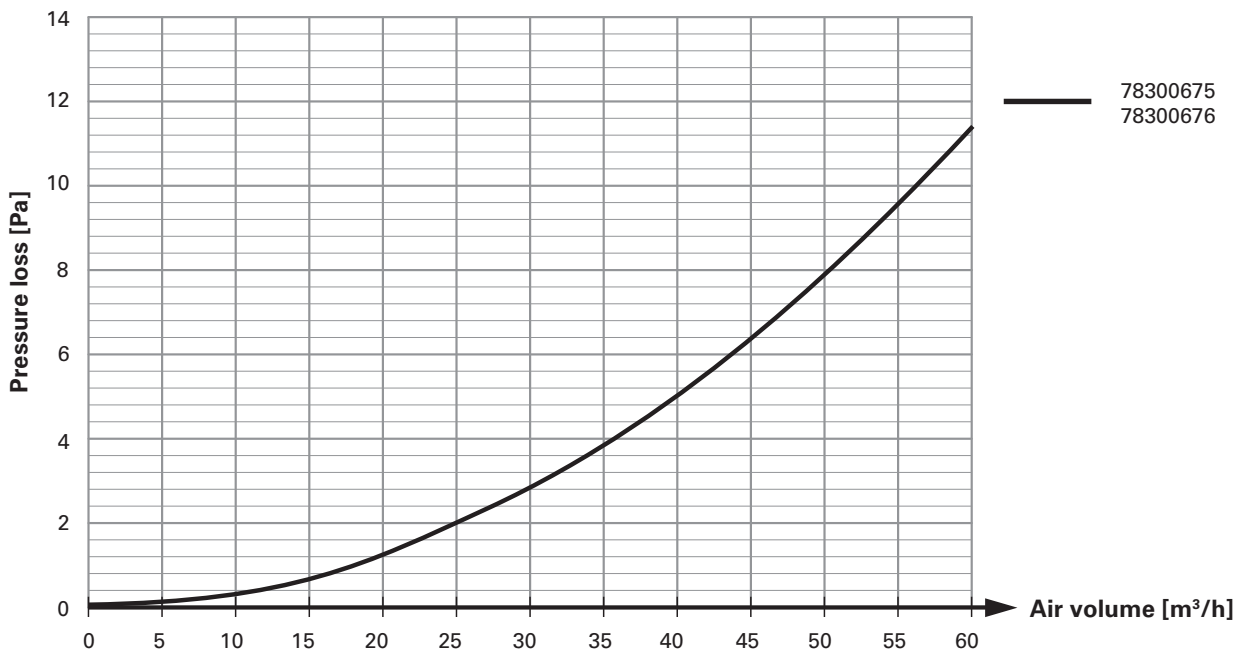
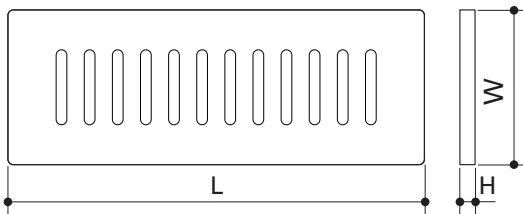


❷

starline design grill STRIPES

Glass design grill STRIPES for supply air or extract air, including magnetic fixing. For use in combination with the starline mounting frame plus. Suitable for wall and ceiling installations.

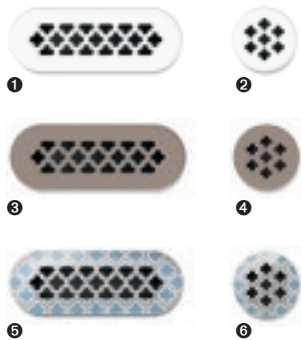
Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300675	❶ STRIPES glass satin white pure	350	130	5.5	0.50	1
78300676	❷ STRIPES glass satin black	350	130	5.5	0.50	1



starline® design grills

Mounting frame

A mounting frame is required for installing the starline design grills.

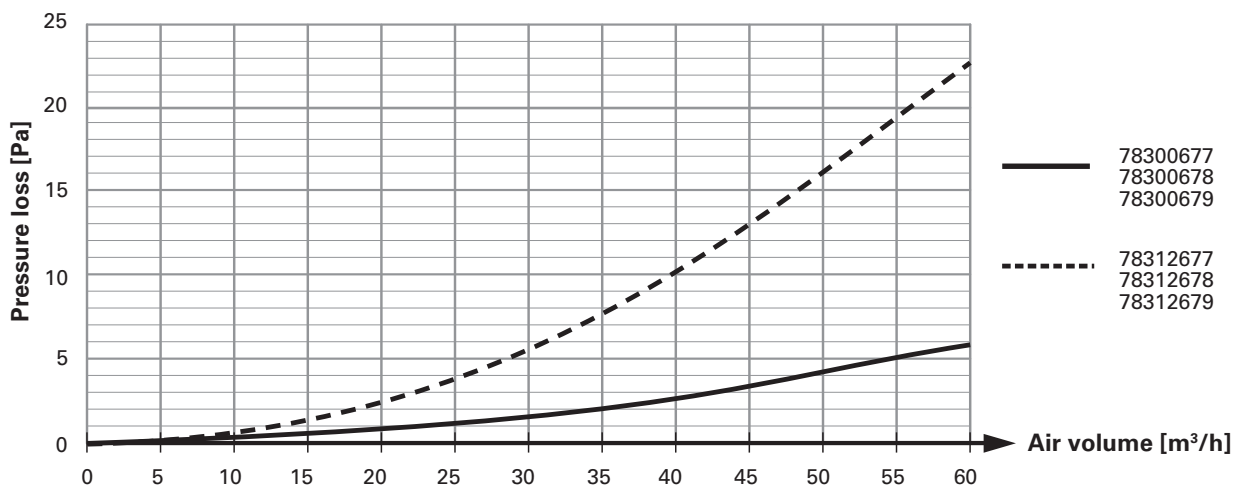
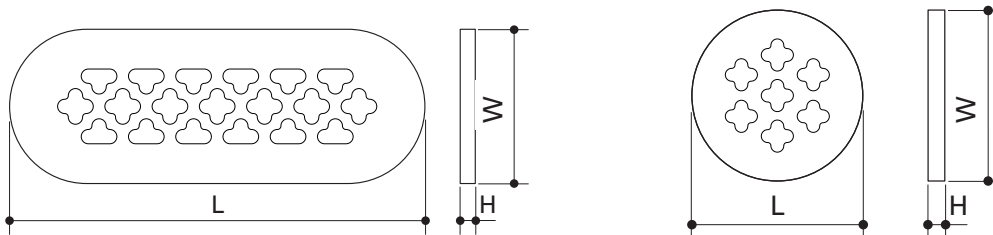


starline design grill CROSS

Glass design grill CROSS for supply air or extract air, including magnetic fixing. For use in combination with the starline mounting frame plus and the starline mounting frame COMPACT plus. Suitable for wall and ceiling installations.

CROSS CIRCLE for supply air only wall installation.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300677	① CROSS glass satin white pure	350	130	5.5	0.44	1
78312677	② CROSS CIRCLE glass satin white pure	160	160	5.5	0.21	1
78300678	③ CROSS glass satin bronze	350	130	5.5	0.44	1
78312678	④ CROSS CIRCLE glass satin bronze	160	160	5.5	0.21	1
78300679	⑤ CROSS glass blue-gray	350	130	5.5	0.44	1
78312679	⑥ CROSS CIRCLE glass blue-gray	160	160	5.5	0.21	1



starline® design grills

Mounting frame
A mounting frame is required for installing the starline design grills.

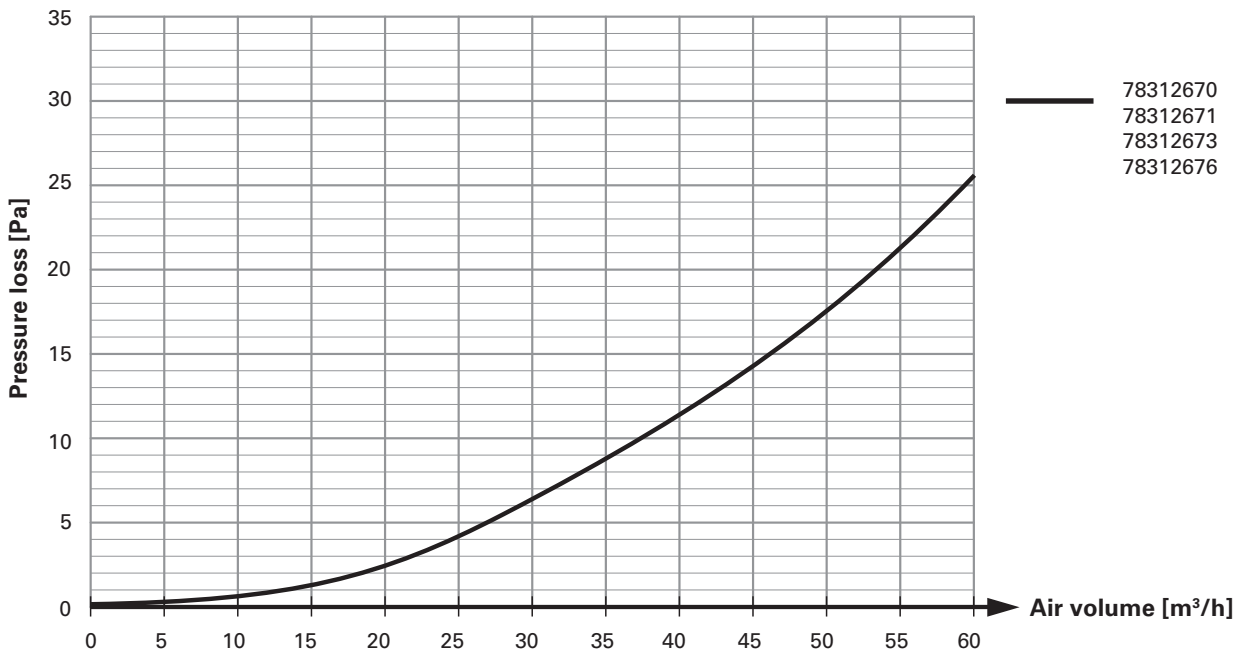
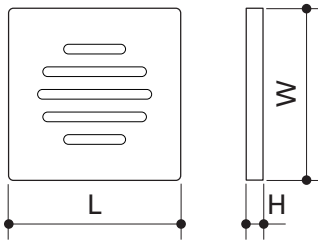


starline design grill TWIST COMPACT

Glass design grill TWIST COMPACT for extract air, including magnetic fixing. For use in combination with the starline mounting frame COMPACT plus. Suitable for wall and ceiling installations.

TWIST COMPACT for supply air only wall installation.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78312670	❶ TWIST COMPACT glass white pure	160	160	5.5	0.29	1
78312671	❷ TWIST COMPACT glass powder blue	160	160	5.5	0.29	1
78312673	❸ TWIST COMPACT glass black & white	160	160	5.5	0.29	1
78312676	❹ TWIST COMPACT glass satin black	160	160	5.5	0.29	1



starline® design grills

Mounting frame

A mounting frame is required for installing the starline design grills.



①



②

starline design grill TWIST CIRCLE

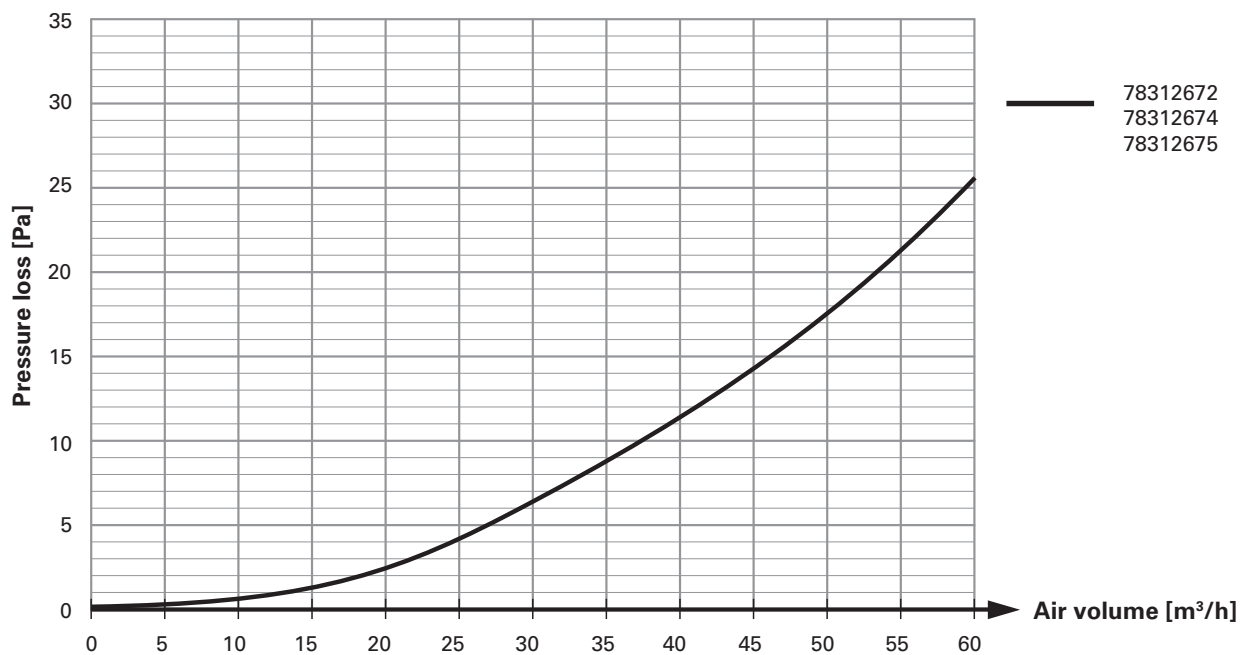
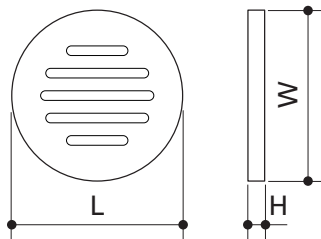
Glass design grill TWIST CIRCLE for extract air, including magnetic fixing. For use in combination with the starline mounting frame COMPACT plus. Suitable for wall and ceiling installations.

TWIST CIRCLE for supply air only wall installation.



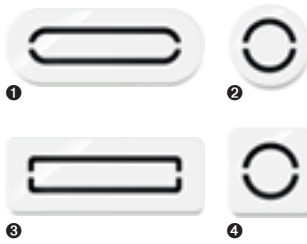
③

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78312672	① TWIST CIRCLE glass light brown	160	160	5.5	0.21	1
78312674	② TWIST CIRCLE glass black & white	160	160	5.5	0.21	1
78312675	③ TWIST CIRCLE glass satin white pure	160	160	5.5	0.21	1



starline® design grills

Mounting frame
A mounting frame is required for installing the starline design grills.

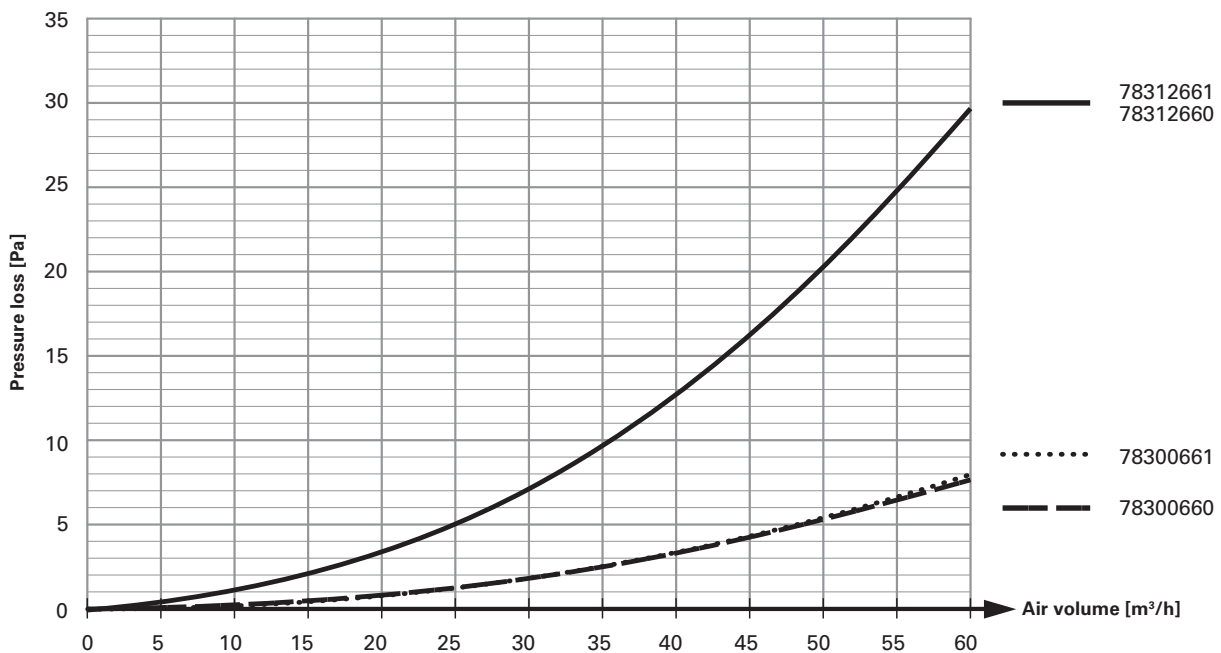
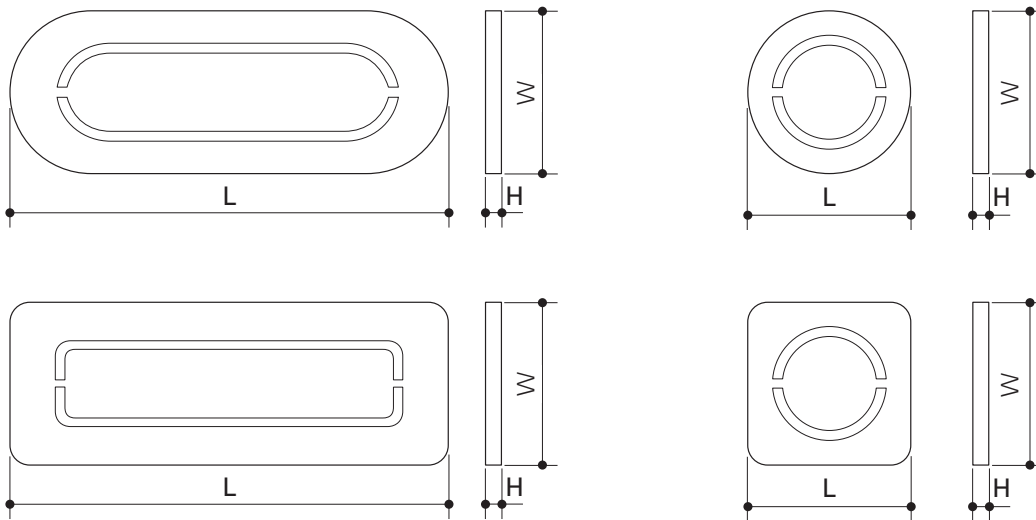


starline design grill SHAPE

Glass design grill SHAPE for supply air or extract air, including magnetic fixing. For use in combination with the starline mounting frame plus as well as the starline mounting frame COMPACT plus. Suitable for wall and ceiling installations.

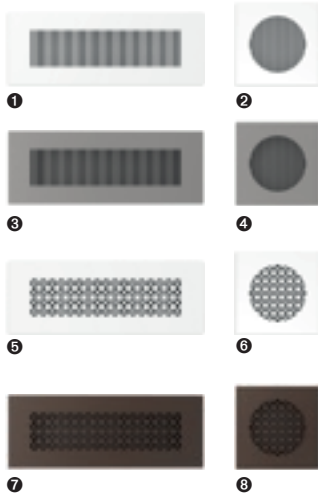
SHAPE COMPACT / SHAPE CIRCLE for supply air only wall installation.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300661	① SHAPE STYLE glass white pure	350	130	7,5	0.53	1
78312661	② SHAPE CIRCLE glass white pure	160	160	7,5	0.30	1
78300660	③ SHAPE BUSINESS glass white pure	350	130	7,5	0.53	1
78312660	④ SHAPE COMPACT glass white pure	160	160	7,5	0.30	1



starline® design grills

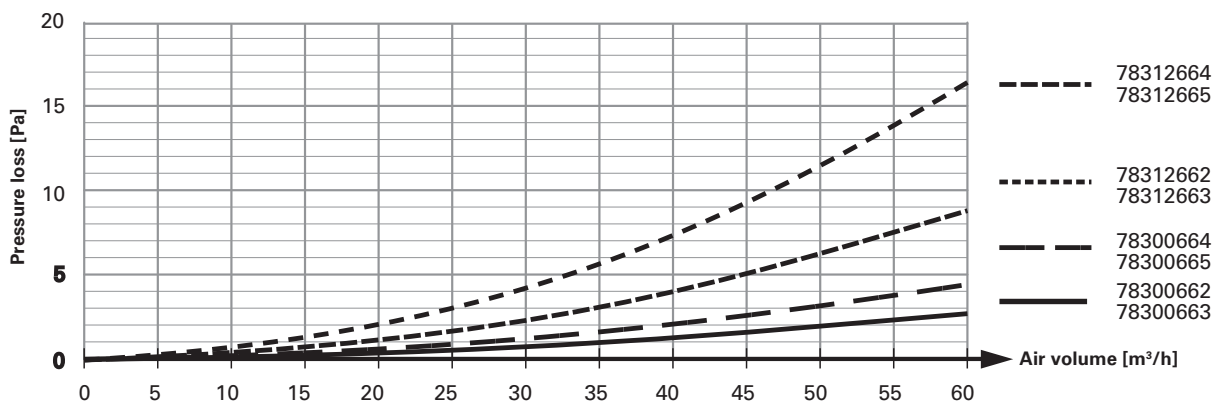
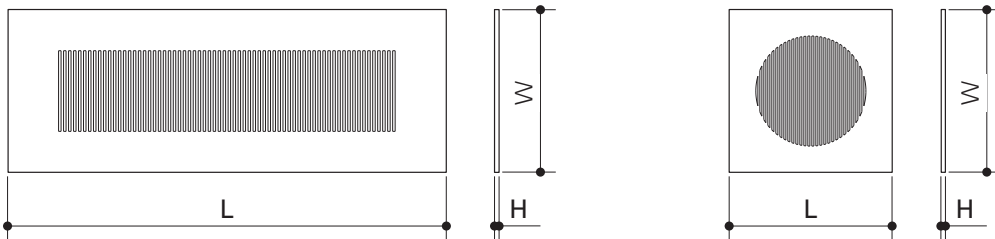
Mounting frame
A mounting frame is required for installing the starline design grills.



starline design grills

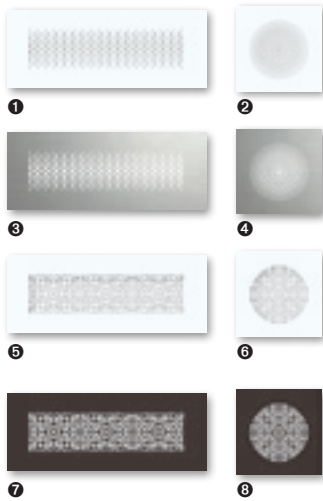
Design grills LINE / PYRAMID for supply air or extract air, including magnetic fixing. For use in combination with the starline mounting frame plus as well as the starline mounting frame COMPACT plus. Suitable for wall and ceiling installations.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300662	① LINE white	350	130	1.5	0.47	1
78312662	② LINE COMPACT white	160	160	1.5	0.26	1
78300663	③ LINE ground stainless steel	350	130	1.5	0.47	1
78312663	④ LINE COMPACT ground stainless steel	160	160	1.5	0.26	1
78300664	⑤ PYRAMID white	350	130	1.5	0.47	1
78312664	⑥ PYRAMID COMPACT white	160	160	1.5	0.26	1
78300665	⑦ PYRAMID dark rust bronze	350	130	1.5	0.47	1
78312665	⑧ PYRAMID COMPACT dark rust bronze	160	160	1.5	0.26	1



starline® design grills

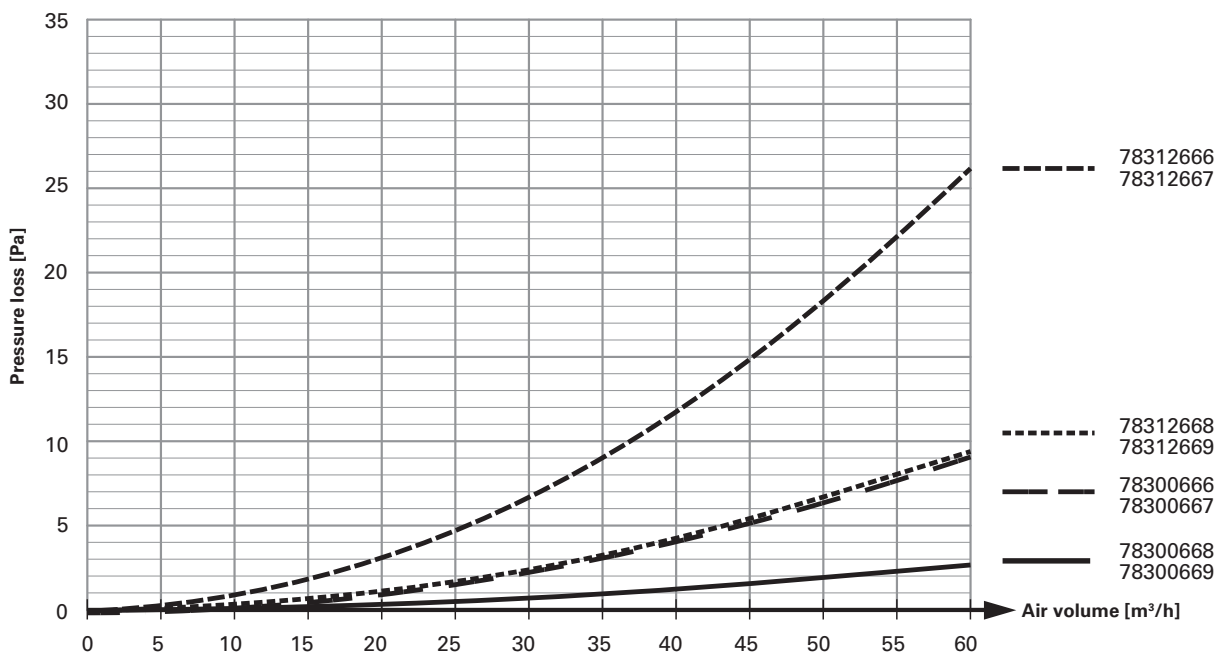
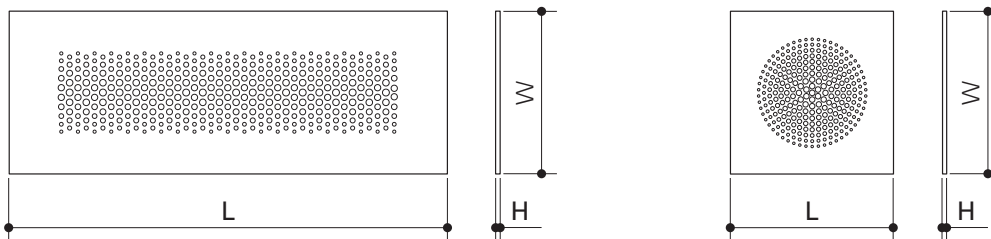
Mounting frame
A mounting frame is required for installing the starline design grills.



starline design grills

Design grills AVANTGARDE / FLORA for supply air or extract air, including magnetic fixing. For use in combination with the starline mounting frame plus as well as the starline mounting frame COMPACT plus. Suitable for wall and ceiling installations.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300666	1 AVANTGARDE white	350	130	1.5	0.47	1
78312666	2 AVANTGARDE COMPACT white	160	160	1.5	0.26	1
78300667	3 AVANTGARDE ground stainless steel	350	130	1.5	0.47	1
78312667	4 AVANTGARDE COMPACT ground stainless steel	160	160	1.5	0.26	1
78300668	5 FLORA white	350	130	1.5	0.47	1
78312668	6 FLORA COMPACT white	160	160	1.5	0.26	1
78300669	7 FLORA anthracite	350	130	1.5	0.47	1
78312669	8 FLORA COMPACT anthracite	160	160	1.5	0.26	1



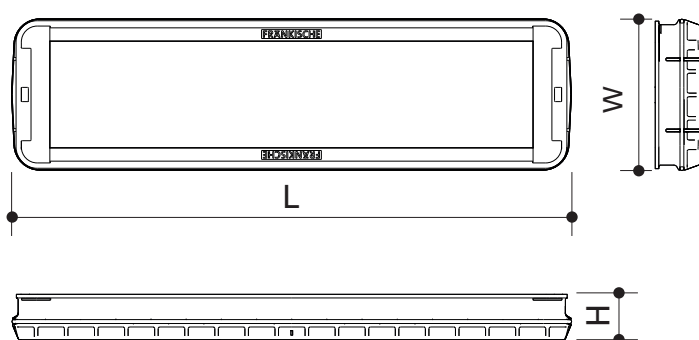
starline® design grills



starline mounting frame plus

Rectangular plastic mounting frame with circumferential sealing ring for use in the profi-air classic air outlet box and the profi-air tunnel air outlet box. Can be used for supply air and extract air. Suitable for wall and ceiling installations. The starline mounting frame plus provides the basis for the starline design grills AVANTGARDE, LINE, PYRAMID, FLORA, SHAPE STYLE, SHAPE BUSINESS, HORIZON, STRIPES and CROSS.

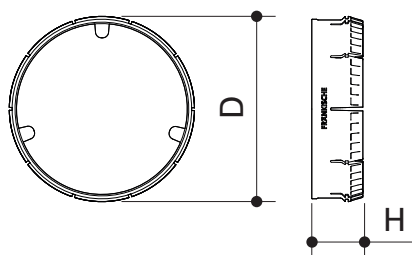
Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300695	for design grills 317 x 84 x 25 mm	317	84	25	0.086	1



starline mounting frame COMPACT plus

Round plastic mounting frame with circumferential sealing ring for use in the profi-air air outlet plus DN 125, the profi-air tunnel air outlet DN 125, as well as in all DN 125 plastic and metal outlets. Can be used for supply air and extract air. Suitable for wall and ceiling installations. The starline mounting frame COMPACT plus provides the basis for the starline design grills AVANTGARDE COMPACT, LINE COMPACT, PYRAMID COMPACT, FLORA COMPACT, SHAPE COMPACT, SHAPE CIRCLE, TWIST COMPACT, TWIST CIRCLE and CROSS CIRCLE.

Cat. no.	Description	D [mm]	H [mm]	Weight [kg]	PU [pcs]
78312695	122 mm	127	35	0.086	1



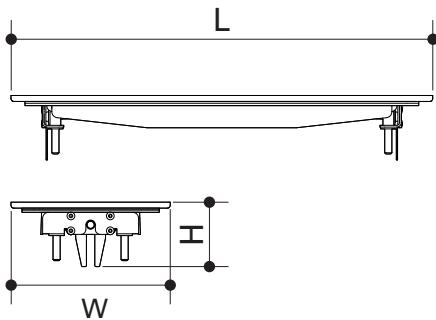
starline® design grills



starline floor installation frame

Rectangular stainless steel floor installation frame consisting of a base and installation frame for use in the profi-air classic air outlet box and the profi-air tunnel air outlet box. Height-adjustable for flooring types of up to max. 30 mm. Can be used for supply air and extract air. Suitable for floor installations only. The starline floor installation frame provides the basis for the starline design grills AVANTGARDE and LINE.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300699	stainless steel 350x130 mm	350	130	50	0.67	1



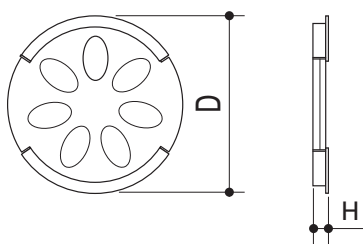
starline® design grills



starline regulator COMPACT, black

Plastic/foam airflow regulating element DN 125 for the manual airflow regulation for use in the starline mounting frame COMPACT plus. Seven setting ranges by opening/closing pre-punched openings. Suitable for supply air and extract air.

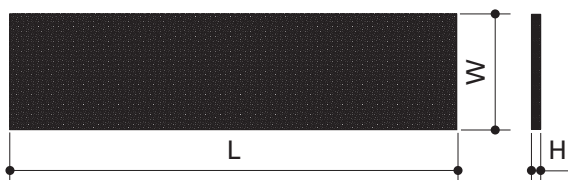
Cat. no.	Description	D [mm]	H [mm]	Weight [kg]	PU [pcs]
78312001	DN 125	119	17	0.02	1



starline filter, black

Rectangular extract air filter made of PE filter foam plastic compatible with the starline mounting frame plus.

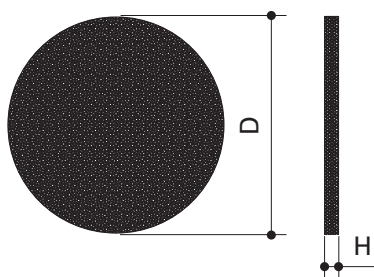
Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300692	350 x 130 mm	298	80	10	0.008	5



starline filter COMPACT, black

Round extract air filter made of PE filter foam plastic compatible with the starline mounting frame COMPACT plus.

Cat. no.	Description	D [mm]	H [mm]	Weight [kg]	PU [pcs]
78312692	160 x 160 mm	122	10	0.004	5



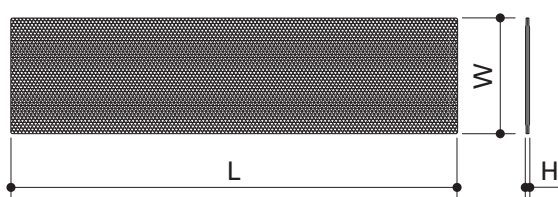
starline® design grills



starline grease filter, silver

Rectangular extract air grease filter made of aluminium expanded metal specially designed for use in kitchens. Oil and grease particles generated by cooking are separated on the aluminium expanded metal filter. The grease filter is reusable. Cleaning in the dishwasher is possible. Only use in combination with the starline filter, black as well as the starline mounting frame plus.

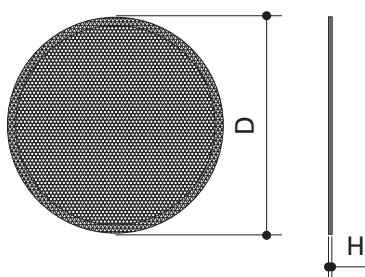
Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300693	350 x 130 mm	298	80	3	0.03	1

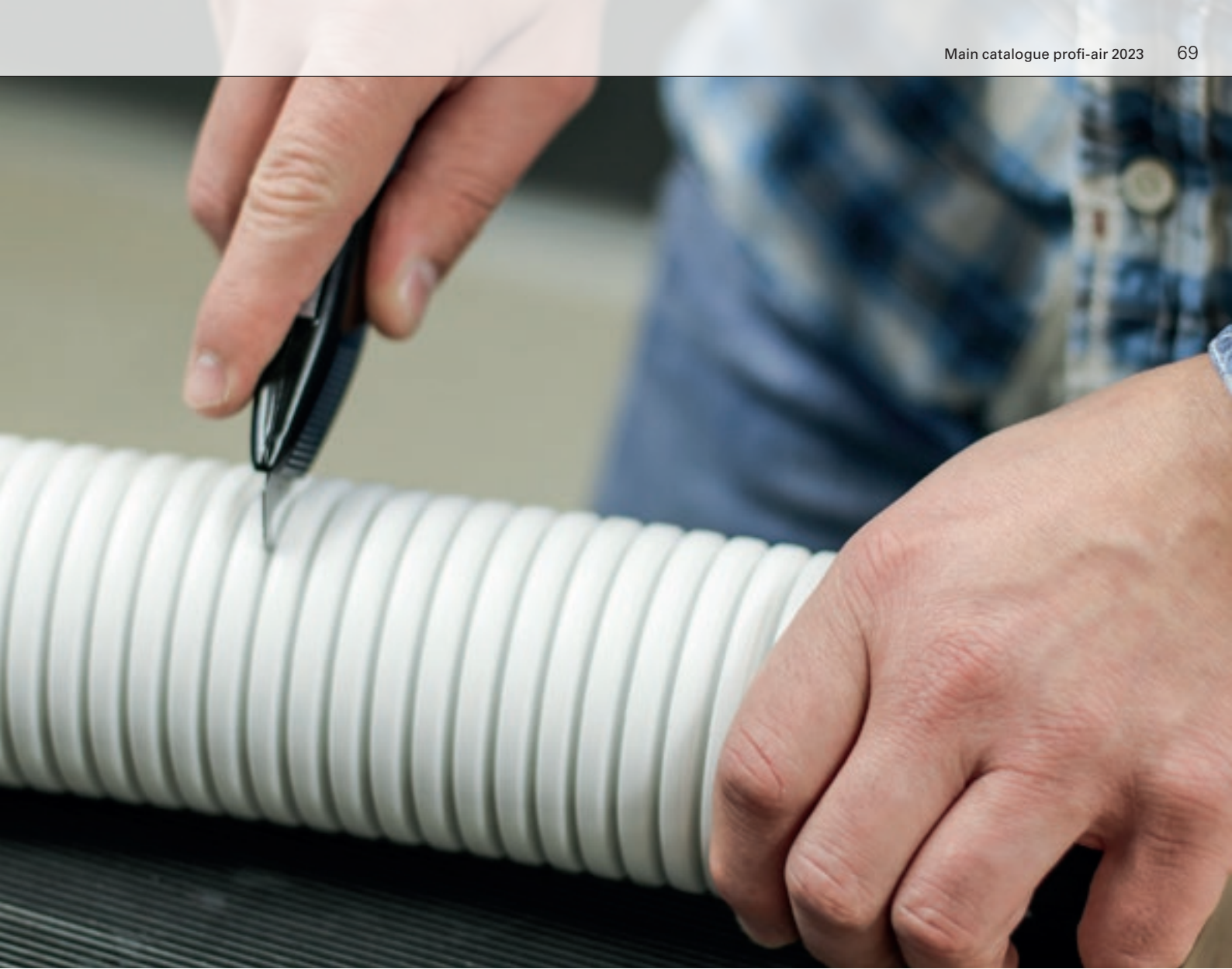


starline grease filter COMPACT, silver

Round extract air grease filter made of aluminium expanded metal specially designed for use in kitchens. Oil and grease particles generated by cooking are separated on the aluminium expanded metal filter. The grease filter is reusable. Cleaning in the dishwasher is possible. Only use in combination with the starline filter COMPACT, black and the starline COMPACT plus.

Cat. no.	Description	D [mm]	H [mm]	Weight [kg]	PU [pcs]
78312693	160 x 160 mm	122	3	0.01	1





profi-air® accessories

- Suitable for any installation situation
- Complementary to the profi-air ventilation system
- High-quality materials

profi-air® accessories

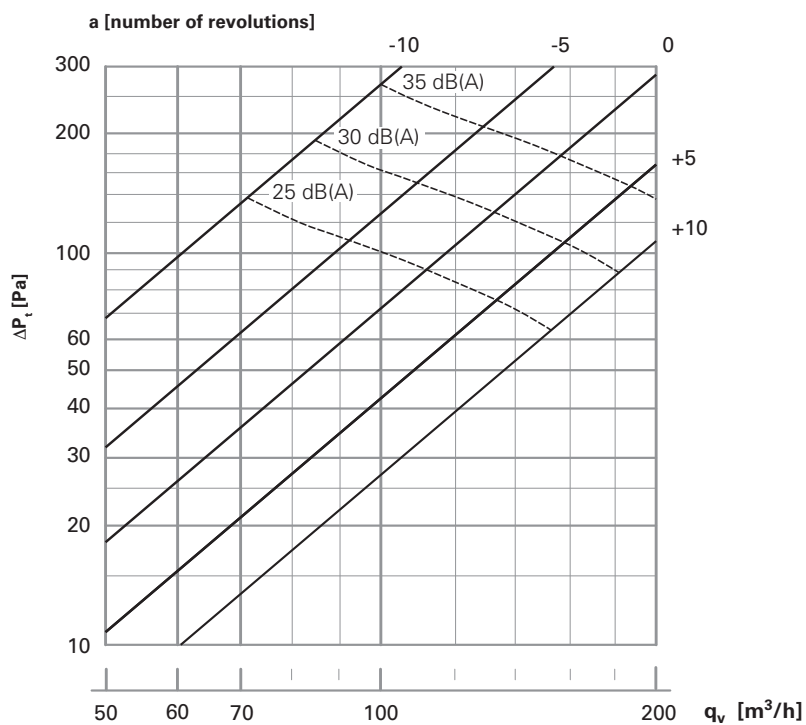
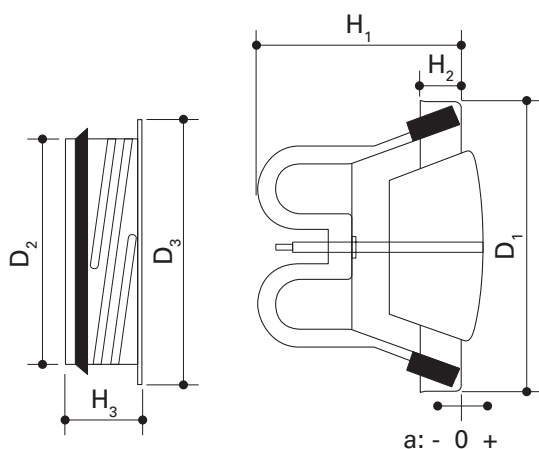
profi-air valves and grills for indoor use



profi-air extract air disc valve, white

Metal extract air disc valve in white including installation frame for installation in all profi-air outlets DN 125. Suitable for wall and ceiling installations. Progressive adjustment of the air volume is possible.

Cat. no.	Description	D ₁ [mm]	D ₂ [mm]	D ₃ [mm]	H ₁ [mm]	H ₂ [mm]	H ₃ [mm]	Weight [kg]	PU [pcs]
78312620	DN 125	160	124	150	85	18	50	0.48	1



profi-air® accessories

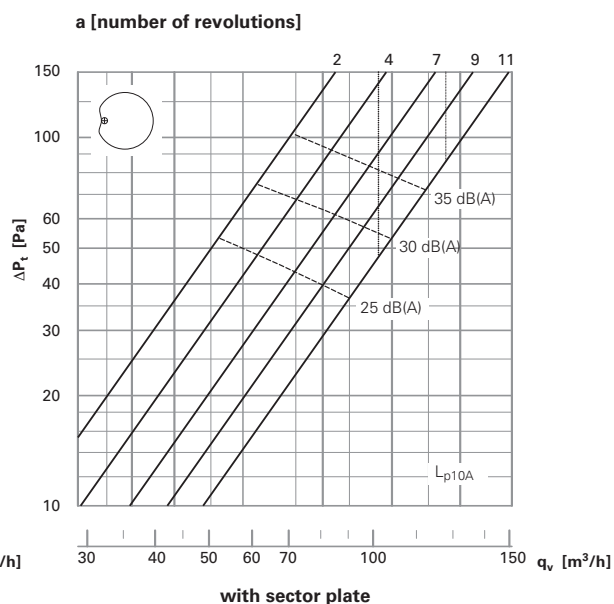
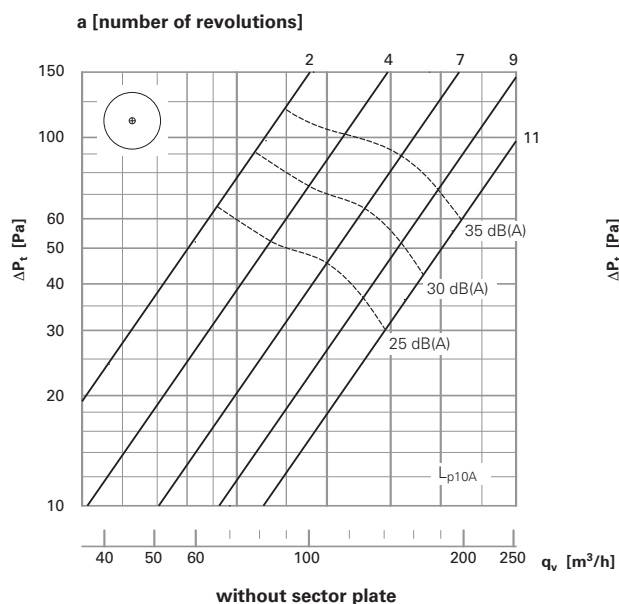
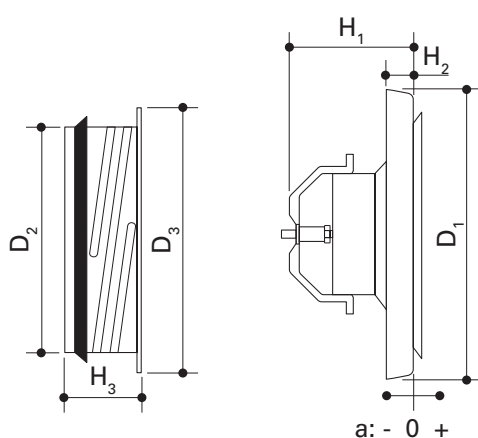
profi-air valves and grills for indoor use



profi-air supply air disc valve, white

Metal supply air disc valve in white including installation frame for installation in all profi-air outlets DN 125. Suitable for wall and ceiling installations. Progressive adjustment of the air volume is possible.

Cat. no.	Description	D ₁ [mm]	D ₂ [mm]	D ₃ [mm]	H ₁ [mm]	H ₂ [mm]	H ₃ [mm]	Weight [kg]	PU [pcs]
78312610	DN 125	173	124	150	76	18	50	0.55	1



profi-air® accessories

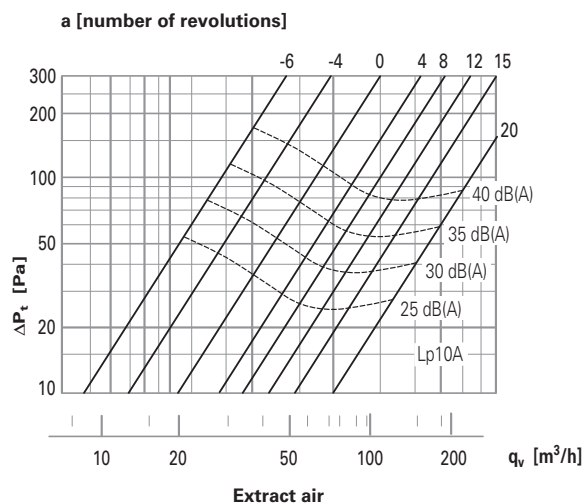
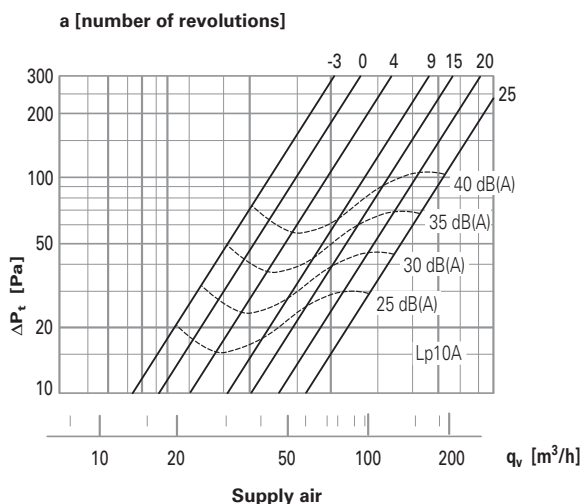
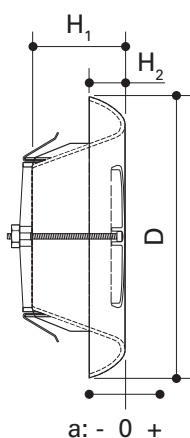
profi-air valves and grills for indoor use



profi-air supply air / extract air disc valve, white

PP supply air and extract air disc valve in white including installation frame for installation in all profi-air outlets DN 125. Suitable for wall and ceiling installations. Progressive adjustment of the air volume is possible.

Cat. no.	Description	D [mm]	H ₁ [mm]	H ₂ [mm]	Weight [kg]	PU [pcs]
78312630	DN 125	167	52	18	0.14	1



profi-air® accessories

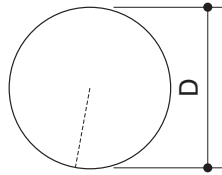
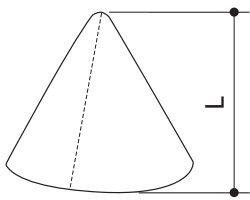
profi-air valves and grills for indoor use



profi-air filter

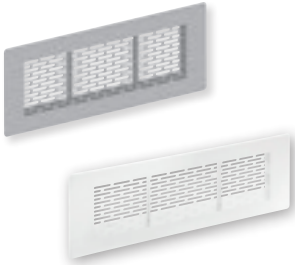
Conical bag filter compatible with the profi-air extract air disc valve (78312620) and profi-air supply / extract air disc valve (78312630).

Cat. no.	Description	D [mm]	L [mm]	Weight [kg]	PU [pcs]
78312650	DN 125	125	150	0.006	5



profi-air® accessories

profi-air valves and grills for indoor use

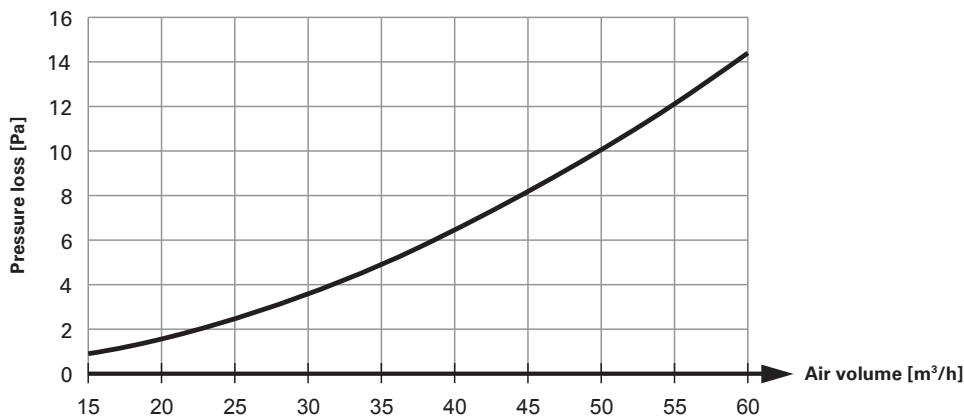
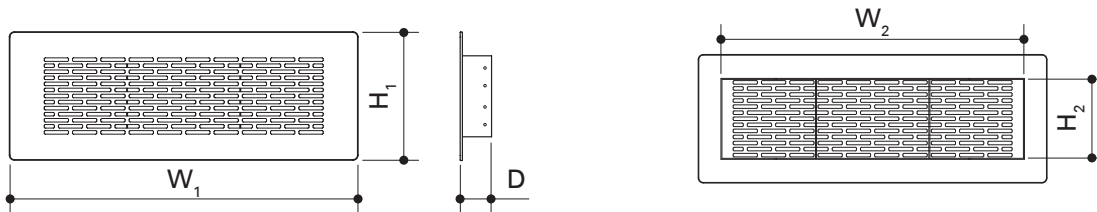


profi-air ventilation grill

Hard-wearing metal (stainless steel) ventilation grill for supply air or extract air, including fastening clamps, to be used in profi-air tunnel 90° air outlets for cover grills. Suitable for floor and wall installations.

Cat. no.	Description	W ₁ [mm]	W ₂ [mm]	H ₁ [mm]	H ₂ [mm]	D [mm]	Weight [kg]	PU [pcs]
78300640	350 x 130 mm stainless steel*	345	300	127	80	31	0.46	1
78300645	350 x 130 mm steel plate, white*	345	300	127	80	31	0.47	1

* While supplies last.



profi-air® accessories

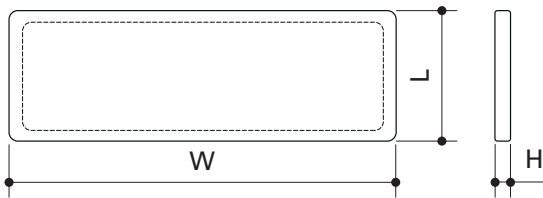
profi-air valves and grills for indoor use



profi-air filter

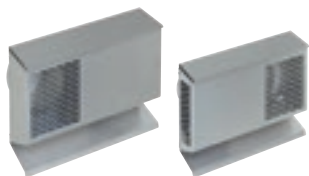
Rectangular filter compatible with the rectangular profi-air ventilation grills (78300640 supply/extract air ventilation grill and stainless steel 78300645 supply/extract air ventilation grill, steel plate, white).

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300650	for ventilation grill 350 x 130 mm	295	75	10	0.05	5



profi-air® accessories

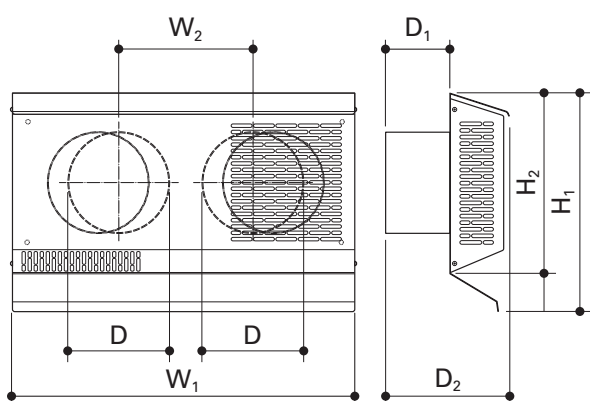
profi-air horizontal combination grill for outdoor use



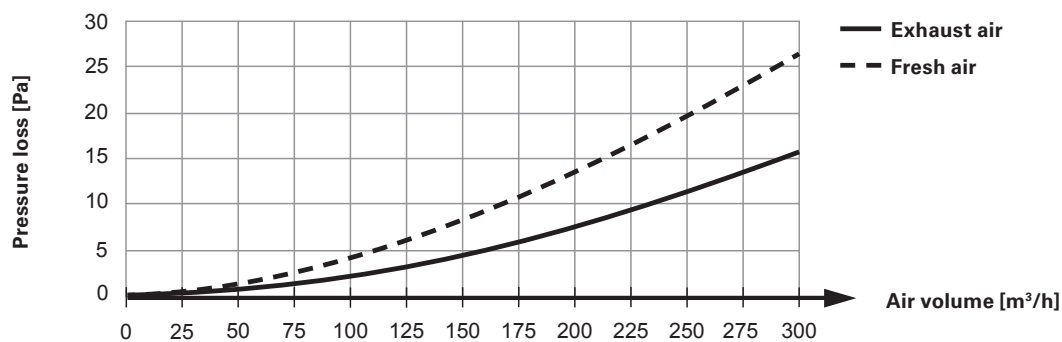
profi-air horizontal combination grill

Stainless steel combination grill (with colourless powder coating – “sea air-resistant”) with pipe connection. Can be used for fresh air and exhaust air.

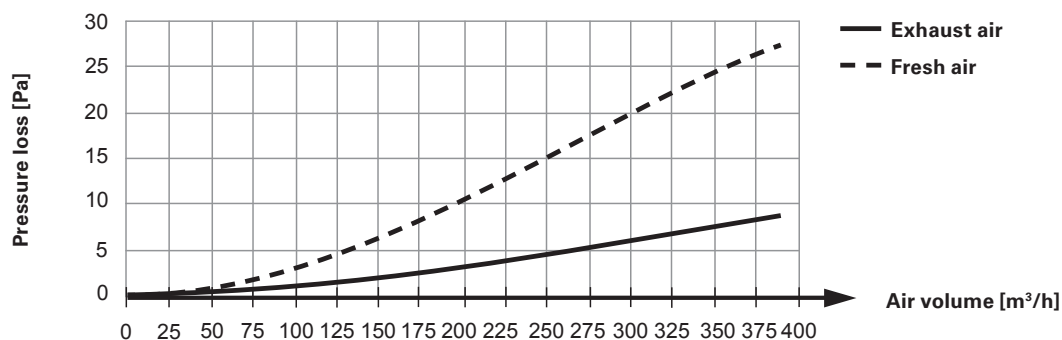
Cat. no.	Description	D [mm]	H ₁ [mm]	H ₂ [mm]	W ₁ [mm]	W ₂ [mm]	D ₁ [mm]	D ₂ [mm]	Weight [kg]	Pu [pcs]
78312172	DN 125	125	295	250	472	185-245	100	176	3.75	1
78316172	DN 160	160	327	270	577	250-310	100	195	4.80	1



DN125



DN160



profi-air® accessories

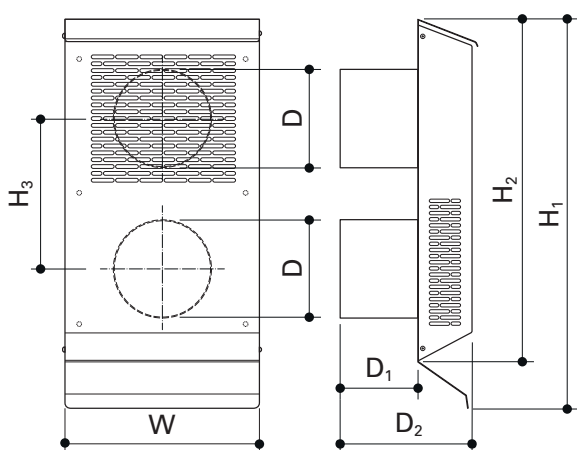
profi-air vertical combination grill for outdoor use



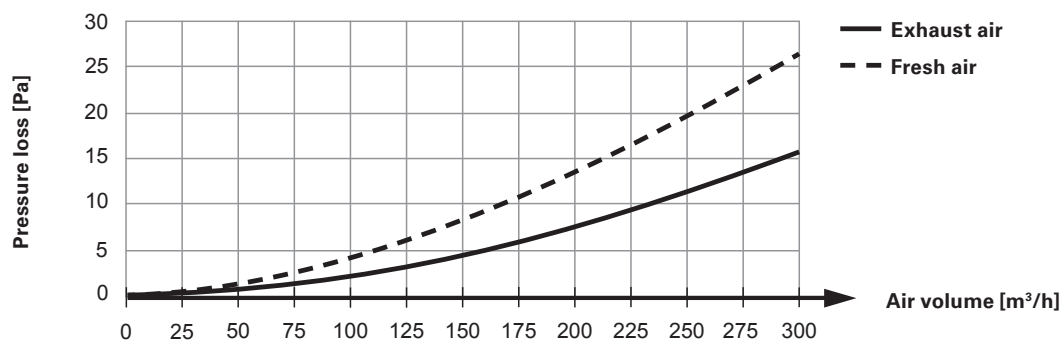
profi-air vertical combination grill

Stainless steel combination grill (with colourless powder coating – “sea air-resistant”) with pipe connection. Can be used for fresh air and exhaust air.

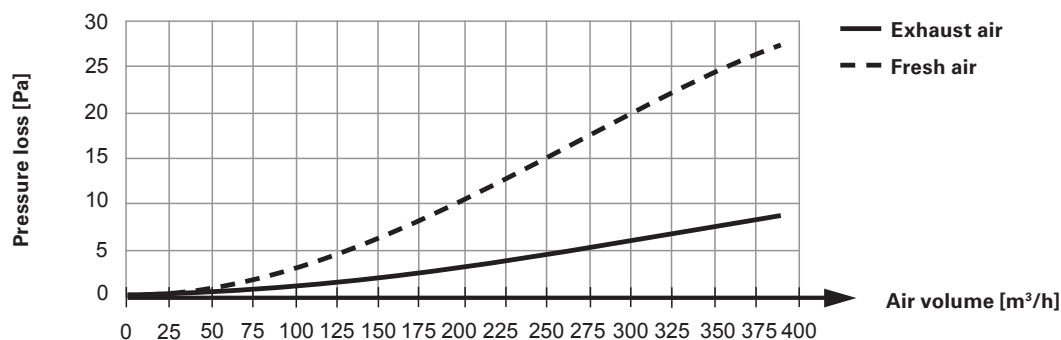
Cat. no.	Description	D [mm]	H ₁ [mm]	H ₂ [mm]	H ₃ [mm]	W [mm]	D ₁ [mm]	D ₂ [mm]	Weight [kg]	Pu [pcs]
78312173	DN 125 - vertical	125	497	450	195	250	100	175	3.00	1
78316173	DN 160 - vertical	160	557	500	230	275	100	195	3.75	1



DN125

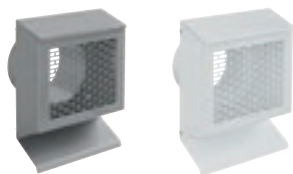


DN160



profi-air® accessories

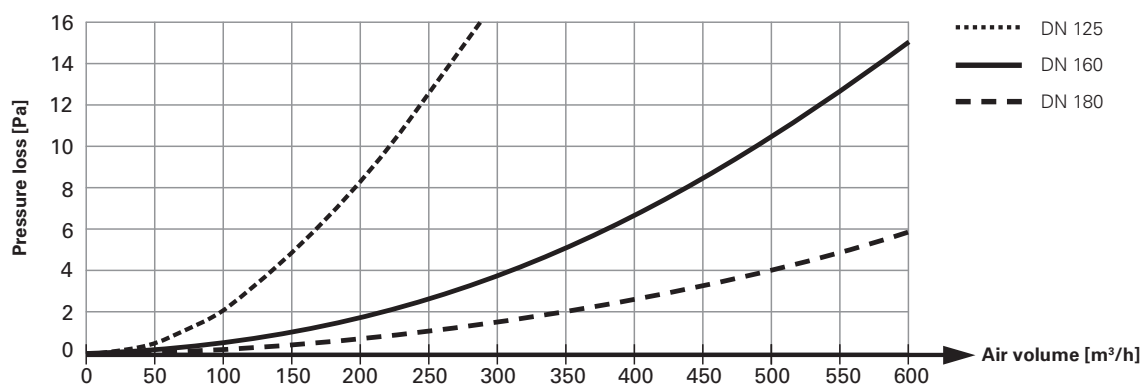
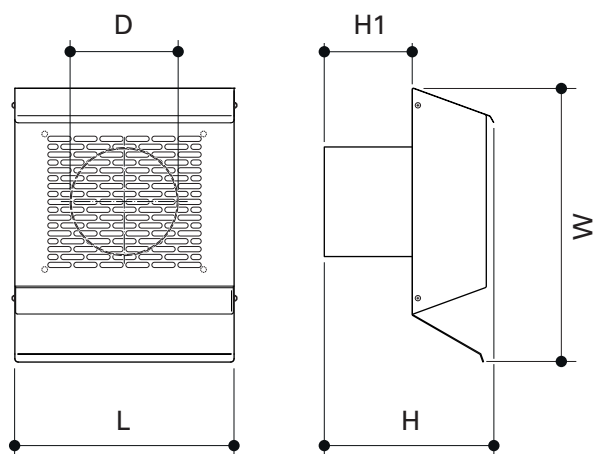
profi-air roof vent cap and grills for outdoor use



profi-air external wall grill

Stainless steel external wall grill with pipe connection, including mounting parts. Can be used for fresh air or exhaust air. Easy mounting thanks to integrated drill holes in the grill frame. Sea air-resistant stainless steel design thanks to colourless powder coating.

Cat. no.	Description	D [mm]	L [mm]	W [mm]	H [mm]	H1 [mm]	Weight [kg]	PU [pcs]
78312174	DN 125, stainless steel	125	258	312	193	100	2.1	1
78316174	DN 160, stainless steel	160	258	312	193	100	2.1	1
78318174	DN 180, stainless steel	180	258	312	193	100	2.1	1
78312176	DN 125, steel white	125	258	312	193	100	2.1	1
78316176	DN 160, steel white	160	258	312	193	100	2.1	1
78318176	DN 180, steel white	180	258	312	193	100	2.1	1



profi-air® accessories

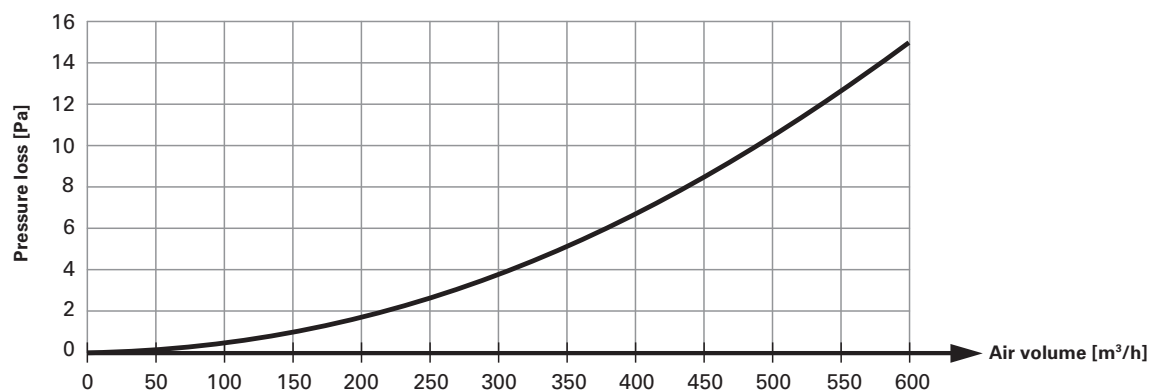
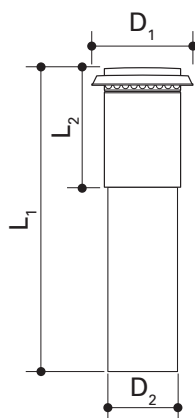
profi-air roof vent cap and grills for outdoor use



profi-air roof vent cap, black

Completely insulated steel profi-air roof vent cap for fresh air and exhaust air routing. Connection to profi-air iso pipe DN 160 / DN 180. Depending on the application, use either the included EPP coupling (DN 160) or the rubber coupling (DN 180) as adapter to the profi-air iso pipe. The integrated rain collar of the roof vent cap in combination with the profi-air roof outlet or profi-air lead tile prevents rain or melt water ingress.

Cat. no.	Description	D ₁ [mm]	D ₂ [mm]	L ₁ [mm]	L ₂ [mm]	Weight [kg]	PU [pcs]
78300175	DN 160-180	298	200	1400	365	2.00	1



profi-air® accessories

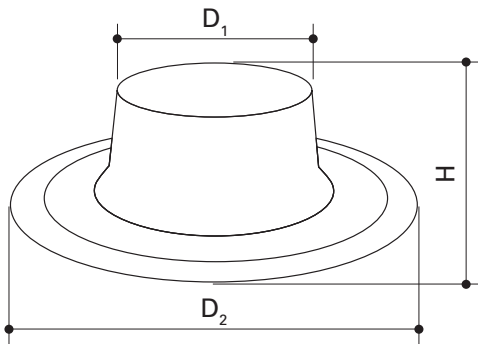
profi-air roof vent cap and grills for outdoor use



profi-air flat-roof outlet

Aluminium roof outlet for professional installations of the profi-air roof vent cap. Suitable for flat roofs.

Cat. no.	Description	D ₁ [mm]	D ₂ [mm]	H [mm]	Weight [kg]	PU [pcs]
78316180	DN 160-180	203	420	250	0.37	1



profi-air® accessories

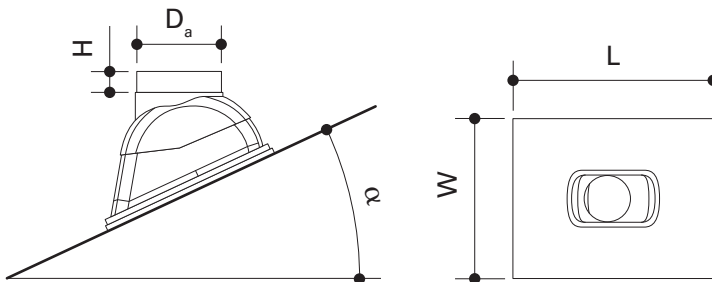
profi-air roof vent cap and grills for outdoor use



profi-air roof outlet flex 25-55°

Roof outlet made of dimensionally stable PVB mat for professional lead-free installations of the profi-air roof vent cap. Suitable for pitched roofs. Slope can be selected.

Cat. no.	Description	H [mm]	D _a [mm]	L [mm]	W [mm]	α [°]	Weight [kg]	PU [pcs]
78316184	25-55° - DN 160-180	50	209	1000	800	25-55	4.5	1



profi-air tools



profi-air pipe cutter

Knife to cut profi-air tunnel and profi-air classic pipes easily.

Cat. no.	Description	PU [pcs]
79000270	with hooked blade	1

profi-air® accessories

profi-air cleaning system



SaWi cleaning set for profi-air classic

The cleaning set is intended for quick, professional and efficient cleaning of flexible profi-air classic ventilation pipes. The box with the foam insert includes the following contents:

- Plug and adapter for profi-air classic pipes NW 63 and 75
- Cloth attachment aid for profi-air classic pipes NW 63 and 75
- Adapter for 100 mm and 125 mm air outlet
- Pull unit for NW 63 and 75
- 10 cleaning cloths NW 63 and 75 including storage box each
- 2 foam pigs NW 63 and 75 each
- 2 pull and safety cords (ø 10 mm) on storage drums including snap hook and guiding ball, 30 m length

Cat. no.	Description	PU [pcs]
79000801	with pull cords NW 63/75	1



SaWi cleaning set for profi-air classic

The cleaning set is intended for quick, professional and efficient cleaning of flexible profi-air classic ventilation pipes. The box with the foam insert includes the following contents:

- Plug and adapter for profi-air classic pipes
- Cloth attachment aid for profi-air classic pipes
- Adapter for 100 mm and 125 mm air outlet
- Pull unit
- 20 cleaning cloths including storage box
- 3 foam pigs

We can guarantee the function of the SaWi cleaning set with the original profi-air pull and safety cord only. We recommend using 2 cords for reasons of safety and convenience.

Cat. no.	Description	PU [pcs]
79000802	without pull cord NW 63	1
79000803	without pull cord NW 75	1

profi-air® accessories

profi-air cleaning system accessories



profi-air classic cleaning cloths

10 cleaning cloths for SaWi cleaning set for profi-air classic.

Cat. no.	Description	PU [pcs]
79000804	for SaWi cleaning set for profi-air classic NW 63	10
79000805	for SaWi cleaning set for profi-air classic NW 75	10



profi-air pull and safety cord

Pull and safety cord (ø 10 mm) on storage drums including snap hook and guiding ball, 30 m length.

Cat. no.	Description	PU [pcs]
79000806	30 m for SaWi cleaning set for profi-air classic	1



profi-air® ventilation units

- profi-air 180 flat
- profi-air 250 flex
- profi-air 360 flex

Overview profi-air ventilation units

Legend

- ✓ = included
- = available
- = optional
- ✗ = not possible

profi-air 180 flat

profi-air 250 flex

profi-air 360 flex



78305718



78304725



78304736

Place of installation	Floor	X	●	●
	Wall	●	●	●
	Ceiling	●	X	X
Application	Air volume	70 – 180 m³/h	70 – 250 m³/h	100 – 360 m³/h
	Max. pressure loss	260 Pa	240 Pa	270 Pa
Dimensions	H x W x D (L)	279 x 600 x 1122	1056 x 540 x 549	1056 x 540 x 549
	Connection diameter	4x DN 125	4x DN 160	4x DN 160
	Condensate connection	Ø 19 mm hose	Ø 19 mm hose	Ø 19 mm hose
Labels / certifications / tests	Energy efficiency grade	A / A+*	A / A+*	A / A+*
	DIBt	●	●	●
	EN 13141-7	●	●	●
	SAP App. Q	●	●	●
	PHI	●	●	●
Equipment	Mounting	✓	✓	✓
	Connecting pieces	○	○	○
	Control	✓	✓	✓
	Automatic summer bypass	✓	✓	✓
	Humidity sensor for central demand control	○	○	○
	Air quality sensor for central demand control	○	○	○
	Switchable air outlet (right / left)	✓	✓	✓
	Operation: profi-air cockpit app	✓	✓	✓
	Commissioning: profi-air cockpit pro	✓	✓	✓

* in combination with two room sensors

profi-air® ventilation units

profi-air 180 flat ventilation unit



profi-air 180 flat ventilation unit

Central ventilation unit for installation on the ceiling or wall for heat recovery ventilation with a cross-counterflow heat exchanger for heat recovery and an integrated 100 % summer bypass. By switching at the control board, you can set right or left operation at the place of installation.

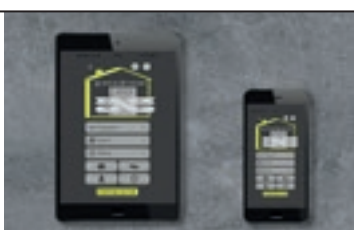
The housing is made of galvanised and varnished steel plate with a core made of thermally insulated and sound-absorbing styrene. The backwards curved EC fans allow efficient and economical operation. The external control panel is used for commissioning and operating the ventilation unit. The included pressure measuring tips and the profi-air cockpit pro software allow quick and easy commissioning. The ventilation unit can be controlled using the profi-air cockpit app. Connection options for wireless remote control, central humidity sensor, central VOC sensor, room humidistat, condensate pump and an additional connection box for more functions directly at the ventilation unit.

The scope of delivery includes a rail for easy and reliable wall mounting, a 19 mm condensate hose and a 230 V connection cable. The device is delivered ready to plug-in. The filters can be replaced from the front without having to open the device

- Energy efficiency grade: A/A+ *
- DIBt approval
- Passive house certificate
- Application: from 70 to 180 m³/h
- Air channel connections: 2x DN 125 left, 2x DN 125 right
- Condensate connection: 19 mm
- Power supply: 230 V, 50 Hz ready to plug-in
- Installation room: 0 to max. 40 °C
- Sound pressure level in a distance of 1 m:
Housing: 38 db(A) 140 m³/h - 100 Pa
- Sound power level:
Supply air channel: 60 dB(A) 140 m³/h - 100 Pa
Extract air channel: 45 dB(A) 140 m³/h - 100 Pa
- Max. heat recovery efficiency 95 %
- Power input (without / with defroster heater) : max. 127 W / 1196 W
- Electrical efficiency: 0.27 Wh/m³ with 126 m³/h
- Supply air filter: ISO Coarse 75 % (G4)
- Extract air filter: ISO Coarse 75 % (G4)

profi-air cockpit app

Available on Google Play and the App Store free of charge.

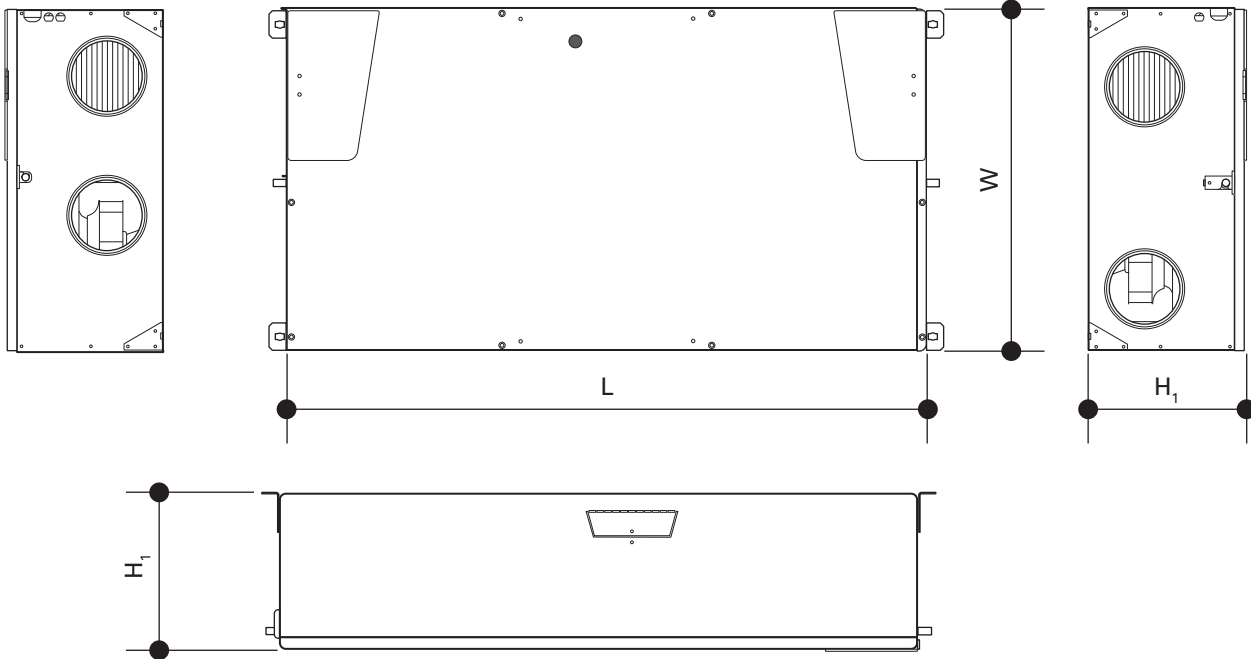


*Energy efficiency grade A+ in connection with two room sensors.

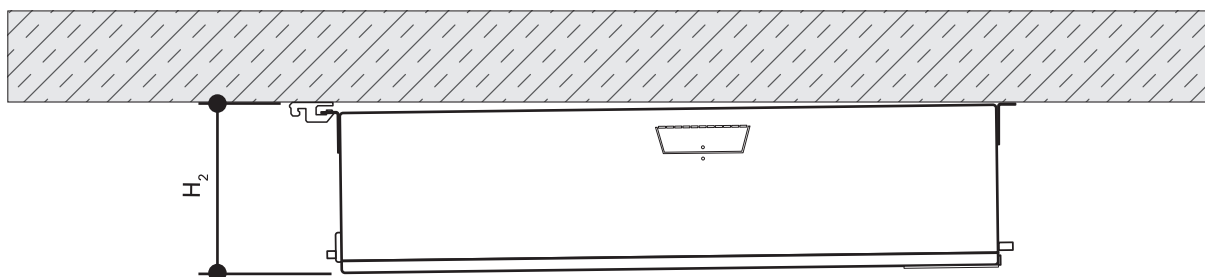
profi-air® ventilation units

profi-air 180 flat ventilation unit

Cat. no.	Description	L [mm]	W [mm]	H ₁ [mm]	H ₂ [mm]	Weight [kg]	PU [pcs]
78305718	180 flat (180 m ³ /h, max. 260 Pa)	1122	600	279	300	34.00	1



Ceiling installation



profi-air® ventilation units

profi-air 180 flat ventilation unit

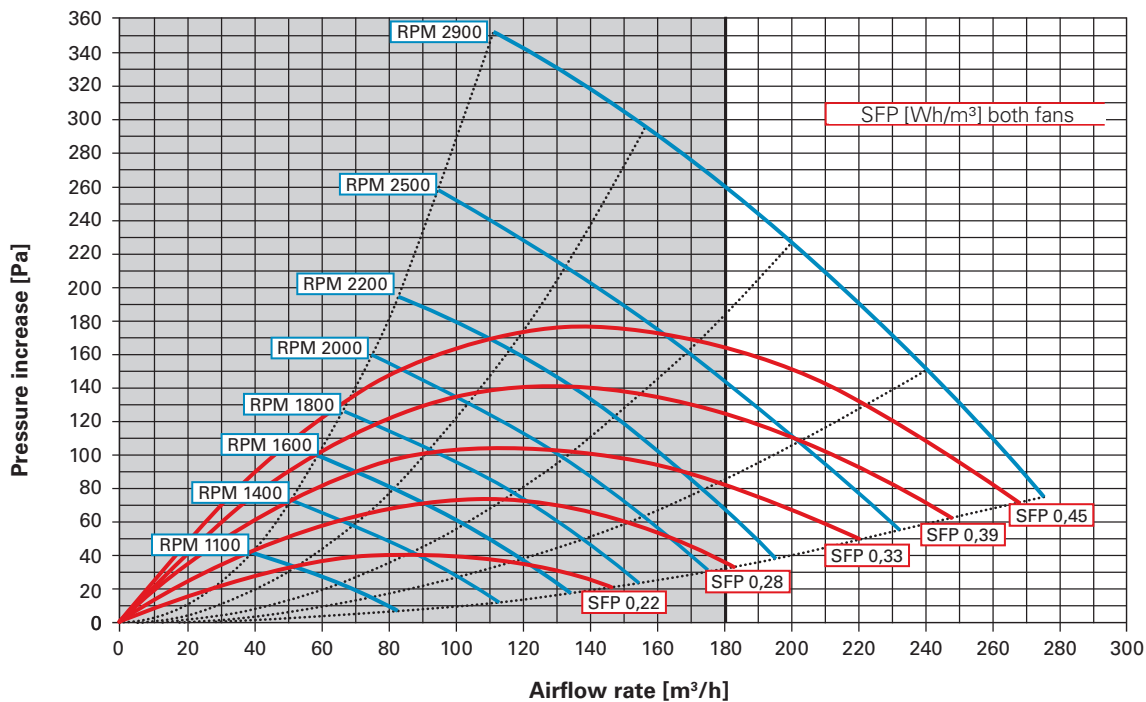
Unit type		profi-air 180 flat	
Weight [kg]	approx. 34		
Dimensions (WxHxL) [mm]	600 x 279 x 1122		
Height including mounting rail [mm] (ceiling installation)	300		
Heat exchanger			
Type	cross-counterflow plate heat exchanger, water-resistant, frost-proof		
Material	plastic		
Max. heat recovery efficiency [%]	up to 95		
Fans			
Fan operation	2 EC fans		
Power supply	230 V / ~50 Hz		
Performance			
Application [m³/h]	70-180		
Max. power input [W]	127 / 1196		
Current [A]	1.2		
Fuse protection (on site)	16.0 A delay fuse (cable 3 x 1.5 mm²)		
Filter			
	supply air	extract air	
Filter class	ISO Coarse 75 % (G4), optional ePM1 70 % (F7)	ISO Coarse 75 % (G4)	
Connection			
Air connection [mm]	Ø 125		
Tests and approvals			
	- DIBt (General building authority approval) - EN 13141-7 - SAP App. Q - Passive house certificate		

profi-air® ventilation units

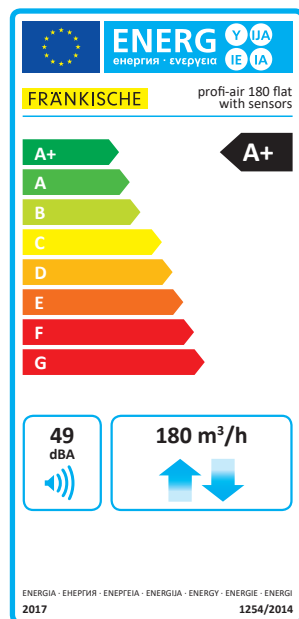
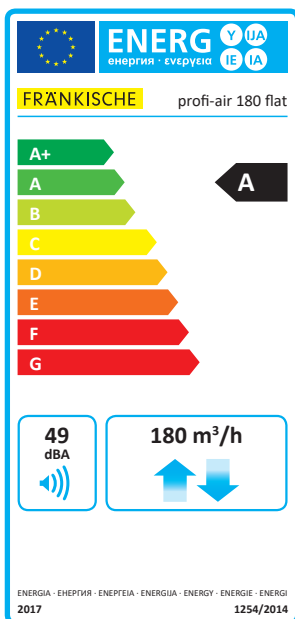
profi-air 180 flat ventilation unit

profi-air 180 flat airflow chart

Application according to EU regulations 1253/2014 and 1254/2014



profi-air 180 flat energy label



At least 2 external sensors must be connected to the ventilation unit if you want to use this label!

profi-air® ventilation units

profi-air 180 flat ventilation unit



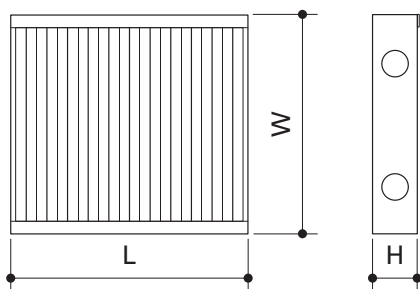
profi-air replacement filter set G4/G4

Rectangular cardboard filter for profi-air 180 flat ventilation units with a filter medium folded to V-shape in a cardboard frame.

profi-air replacement filter set including:

- 1x supply air filter ISO Coarse 75 % (G4)
- 1x extract air filter ISO Coarse 75 % (G4)

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300884	for 180 flat	221	203	48	0.22	1



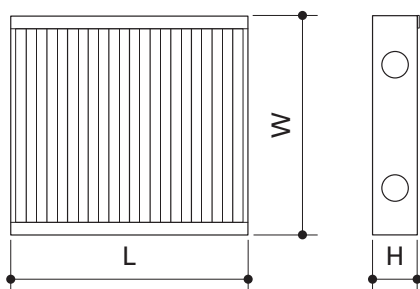
profi-air replacement filter set G4/F7

Rectangular cardboard filter for profi-air 180 flat ventilation units with a filter medium folded to V-shape in a cardboard frame.

profi-air replacement filter set including:

- 1x supply air filter ePM1 70 % (F7)
- 1x extract air filter ISO Coarse 75 % (G4)

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300885	for 180 flat	221	203	48	0.30	1



profi-air® ventilation units

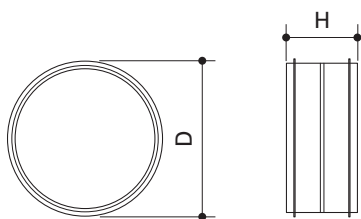
profi-air 180 flat ventilation unit accessories



profi-air connection set

Connection set including four galvanised steel double nipples with circumferential rubber seal on both sides.

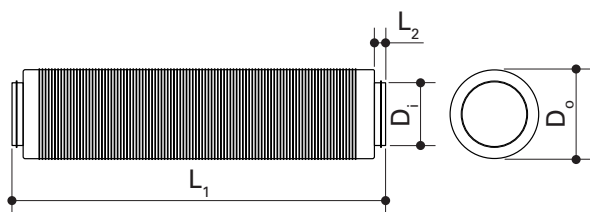
Cat. no.	Description	H [mm]	D [mm]	Iso pipe	Spiral duct	Weight [kg]	PU [pcs]
78312820	iso / spiral fold 4x DN 125	80	125	x	x	0.70	1



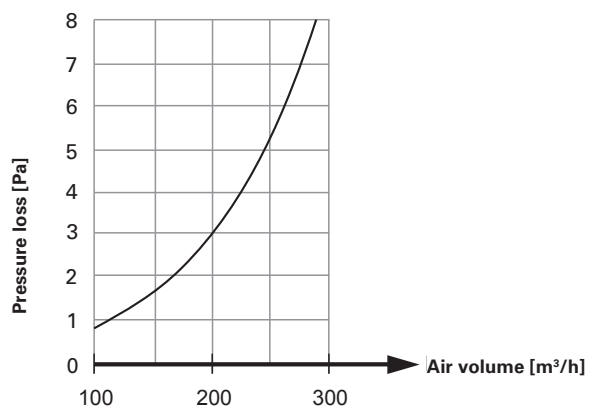
profi-air silencer

Silencer consisting of two flexible aluminium pipes with a 25 mm sound damping layer of resin-bounded mineral wool. Flexibly bendable (min. bend radius 3x outside diameter). Lip seals on silencer connections.

Cat. no.	Description	D _i [mm]	D _o [mm]	L ₁ [mm]	L ₂ [mm]	Weight [kg]	PU [pcs]
78312850	DN 125	125	180	1000	55	1.20	1



DN inside	DN outside 25 mm layer	Integral attenuation (dB) in octave bands (Hz)						
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
125	180	5	8	18	35	58	33	27



profi-air® ventilation units

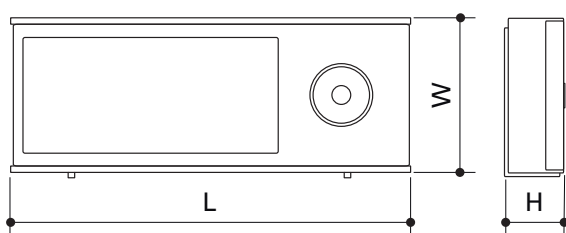
profi-air 180 flat ventilation unit accessories



profi-air wireless remote control

Remote control as optional control unit with LCD display to control the profi-air flat / flex ventilation unit types via radio.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300837	for 180 flat and 250/360 flex	150	60	22	0.40	1



profi-air cockpit pro connection cable

Connection cable to establish a connection between the profi-air flat / flex ventilation units and a PC for setting the unit using the profi-air cockpit pro commissioning software.

Plug types: USB type A / USB type B.

Cat. no.	Description	L [mm]	Weight [kg]	PU [pcs]
78300842	for 180 flat and 250/360 flex	3000	0.09	1

profi-air® ventilation units

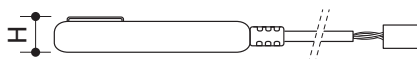
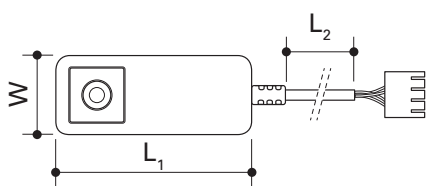
profi-air 180 flat ventilation unit accessories



profi-air internal VOC sensor

VOC sensor for the needs-based automatic control via the pollutant content in the room air, including cable. For installation in the extract air channel of the profi-air flat / flex ventilation unit.

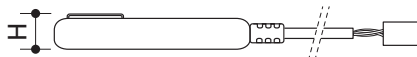
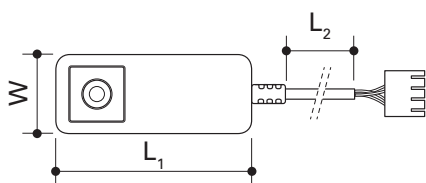
Cat. no.	Description	L ₁ [mm]	L ₂ [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300834	for 180 flat and 250/360 flex	40	700	25	8	0.10	1



profi-air internal humidity sensor

Humidity sensor for the needs-based automatic control via the water content in the room air, including cable. For installation in the extract air channel of the profi-air flat / flex ventilation unit.

Cat. no.	Description	L ₁ [mm]	L ₂ [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300835	for 180 flat and 250/360 flex	40	700	25	8	0.10	1



profi-air® ventilation units

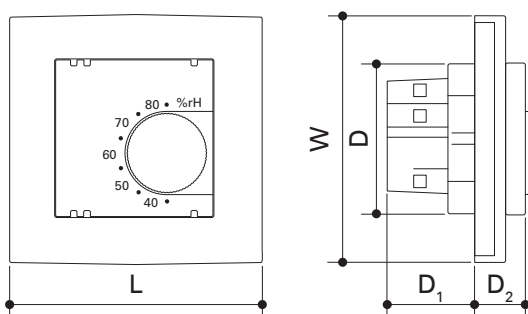
profi-air 180 flat ventilation unit accessories



profi-air room humidistat

Room humidistat for the needs-based automatic control via the water content in the room air of the profi-air flat/flex ventilation unit. For installation in the room.

Cat. no.	Description	D [mm]	L [mm]	W [mm]	D ₁ [mm]	D ₂ [mm]	Weight [kg]	PU [pcs]
78300841	for 180 flat and 250/360 flex	47	81	85	26.5	16	0.10	1

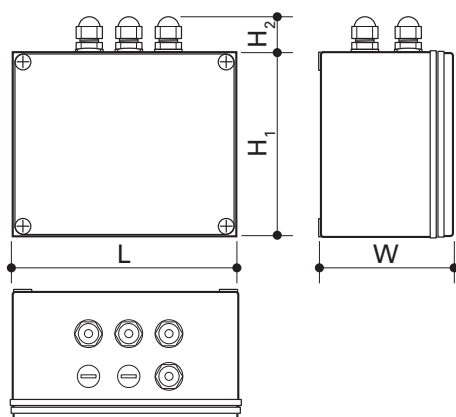


profi-air electrical connection box

Electrical connection box to expand the range of functions of profi-air flat/flex ventilation units:

- Fire alarm
- Standby switch
- Room humidistat
- External fan activation
- Filter alarm
- Fault alarm

Cat. no.	Description	L [mm]	W [mm]	H ₁ [mm]	H ₂ [mm]	Weight [kg]	PU [pcs]
78300838	for 180 flat and 250/360 flex	170	100	140	25	0.90	1



profi-air® ventilation units

profi-air 180 flat ventilation unit accessories



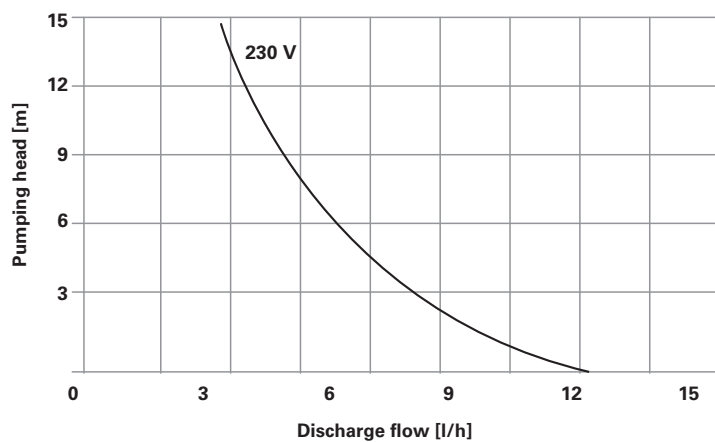
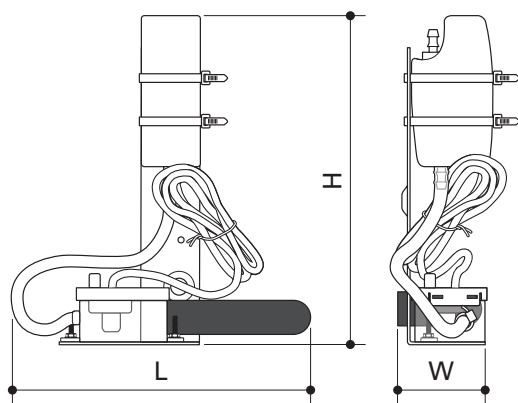
profi-air condensate pump

Condensate pump to reliably discharge condensate if no free condensate flow at a gradient of 2 % can be provided. It features a magnetic float switch and therefore only operates if there actually is condensate in the heat exchanger.

Technical data

- Electrical connection: 230 V 50/60 Hz
- Max. discharge flow: 12 l/h (with a pumping head of 0 m)
- Electric capacity: 0.17 A / 16 W
- Max. pumping head: 10 m
- Max. suction head: 1 m
- Noise level: 25 dB(A) (with a distance of 1 m)

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300840	for 180 flat	180	50	210	1.00	1



profi-air® ventilation units

profi-air 250/360 flex ventilation unit



profi-air 250/360 flex ventilation unit

Central ventilation units for heat recovery ventilation with a cross-counterflow heat exchanger for heat recovery and an integrated 100 % summer bypass. By switching at the control board, you can set right or left operation at the place of installation.

The housing is made of galvanised and varnished steel plate with a core made of thermally insulated and sound absorbing styrene. The backwards curved EC fans allow efficient and economical operation. The integrated control panel is used for commissioning and operating the ventilation unit. 4 pressure taps and the profi-air cockpit pro software allow quick and easy commissioning.

The ventilation units can be controlled using the profi-air cockpit app. Connection options for wireless remote control, central humidity sensor, central VOC sensor, internal defroster heater, room humidistat and an additional connection box for more functions are available right at the ventilation unit.

The scope of delivery includes a rail for easy and reliable wall mounting, a 19 mm condensate hose and a 230 V connection cable. The device is delivered ready to plug-in. The filters can be replaced from the front without having to open the device.

Unit type	profi-air 250 flex	profi-air 360 flex
Energy efficiency grade:	A / A+ *	A / A+ *
DIBt approval:	✓	✓
Passive house certificate	✓	✓
Application	from 70 to 250 m ³ /h	from 100 to 360 m ³ /h
Air channel connections:	4x DN 160 upwards (alternatively supply air DN 160 at the bottom)	4x DN 160 upwards (alternatively supply air DN 160 at the bottom)
Condensate connection	19 mm	19 mm
Power supply	30 V, 50 Hz ready to plug-in	30 V, 50 Hz ready to plug-in
Installation room	0 to max. 40 °C	0 to max. 40 °C
Sound pressure level in a distance of 1 m	Housing 43.5 dB(A) 225 m ³ /h - 100 Pa	Housing 48 dB(A) 300 m ³ /h - 180 Pa
Sound power level	Supply air channel: 52.9 dB(A) 225 m ³ /h - 100 Pa Extract air channel 60.5 dB(A) 225 m ³ /h - 100 Pa	Supply air channel: 57.7 dB(A) 300 m ³ /h - 180 Pa Extract air channel 64.1 dB(A) 300 m ³ /h - 180 Pa
Max. heat recovery efficiency	96 %	90 %
Power input	max. 170 W	max. 230 W
Electrical efficiency	0.24 Wh/m ³ with 175 m ³ /h	0.25 Wh/m ³ bei 252 m ³ /h
Supply air filter	ISO Coarse 75% (G4)	ISO Coarse 75% (G4)
Extract air filter	ISO Coarse 75% (G4)	ISO Coarse 75% (G4)

profi-air cockpit app

Available on Google Play and the App Store free of charge.

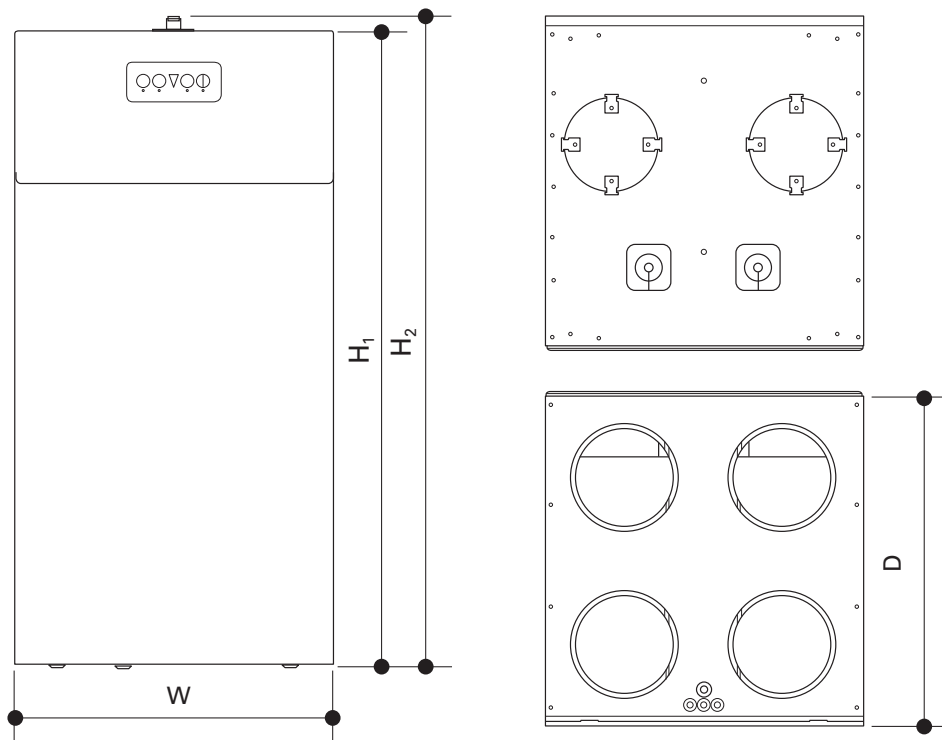


*Energy efficiency grade A+ in connection with two room sensors.

profi-air® ventilation units

profi-air 250/360 flex ventilation unit

Cat. no.	Description	W [mm]	D [mm]	H ₁ [mm]	H ₂ [mm]	Weight [kg]	PU [pcs]
78304725	250 flex (250 m ³ /h, max. 240 Pa)	540	549	1056	1100	42.00	1
78304736	360 flex (360 m ³ /h, max 270 Pa)	540	549	1056	1100	42.00	1



profi-air® ventilation units

profi-air 250/360 flex ventilation unit

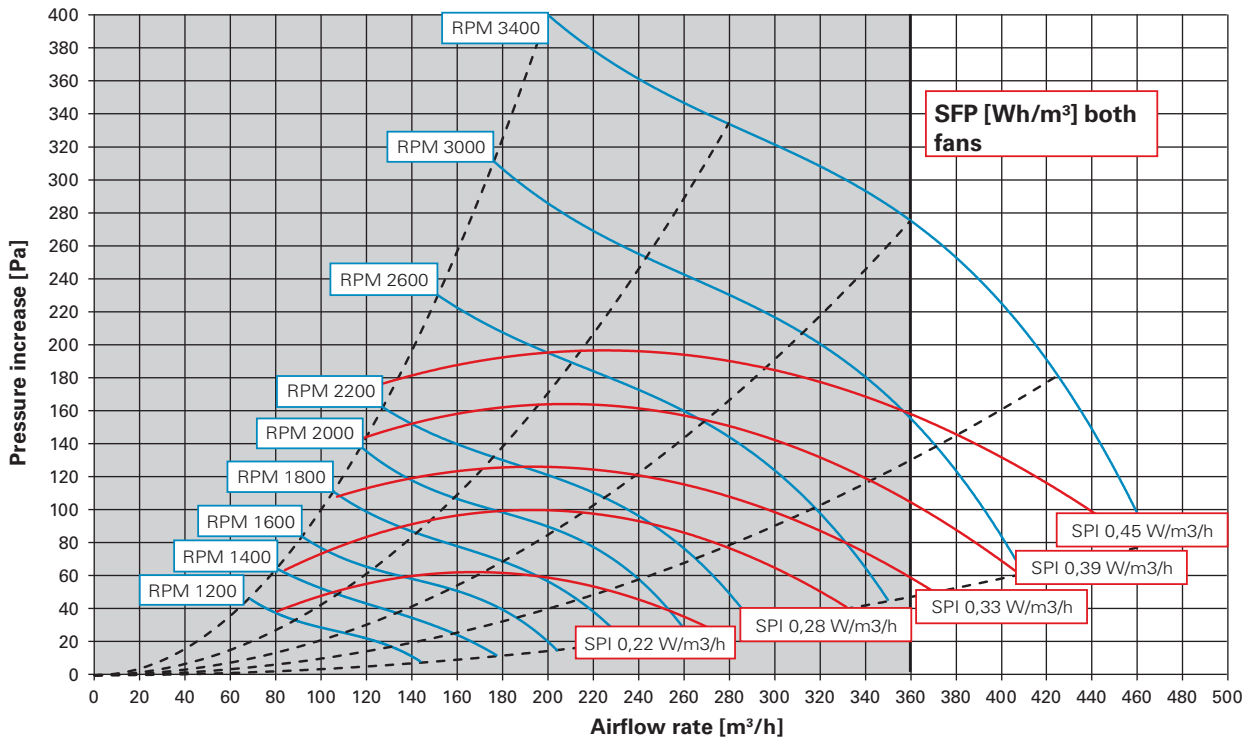
Unit type	profi-air 250 flex		profi-air 360 flex	
Weight [kg]	approx. 42		approx. 42	
Dimensions (WxDxH) [mm]	540 x 549 x 1056		540 x 549 x 1056	
Depth including mounting rail	562		562	
Heat exchanger				
Type	cross-counterflow plate heat exchanger, water-resistant, frost-proof		cross-counterflow plate heat exchanger, water-resistant, frost-proof	
Material	plastic		plastic	
Max. heat recovery efficiency [%]	up to 96		up to 90	
Fans				
Fan operation	2 EC fans		2 EC fans	
Power supply	230 V / ~50 Hz		230 V / ~50 Hz	
Performance				
Application [m³/h]	70-250		100-360	
Max. power input [W] without / with defroster heater	170 / 1570		230 / 2080	
Current [A]	1.2		1.2	
Fuse protection (on site) [A]	16.0 delay fuse (cable 3 x 1.5 mm²)		16.0 delay fuse (cable 3 x 1.5 mm²)	
Filter				
	supply air	extract air	supply air	extract air
Filter class	ISO Coarse 75 % (G4), optional ePM1 55 % (F7)	ISO Coarse 75 % (G4)	ISO Coarse 75 % (G4), optional ePM1 55 % (F7)	ISO Coarse 75 % (G4)
Connection				
Air connection [mm]	Ø160		Ø160	
Tests and approvals				
	- DIBt (general building authority approval) - EN 13141-7 - SAP App. Q - Passive house certificate		- DIBt (general building authority approval) pending - EN 13141-7 - SAP App. Q - Passive house certificate	

profi-air® ventilation units

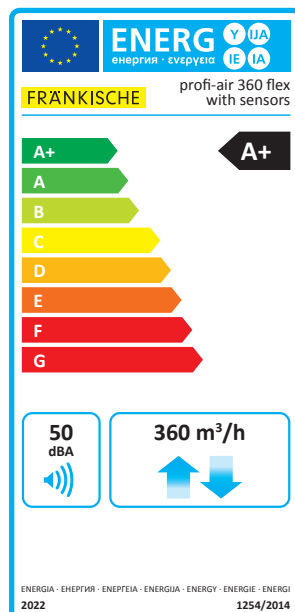
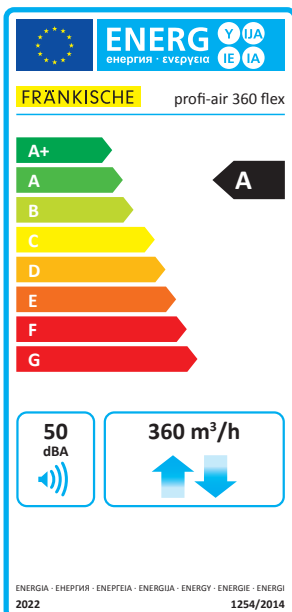
profi-air 360 flex ventilation unit

profi-air 360 flex airflow chart

Application according to EU regulations 1253/2014 and 1254/2014



profi-air 360 flex energy label



At least 2 external sensors must be connected to the ventilation unit if you want to use this label!

profi-air® ventilation units

profi-air 250/360 flex ventilation unit accessories



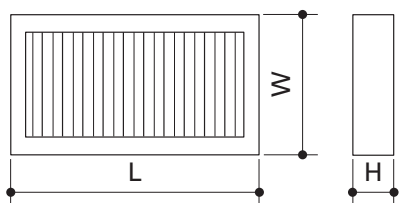
profi-air replacement filter set G4/G4

Rectangular cardboard filter for profi-air 250/360 flex ventilation units with a filter medium folded to V-shape in a cardboard frame.

profi-air replacement filter set including:

- 1x supply air filter ISO Coarse 75 % (G4)
- 1x extract air filter ISO Coarse 75 % (G4)

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300886	for 250/360 flex	398	200	48	0.34	1



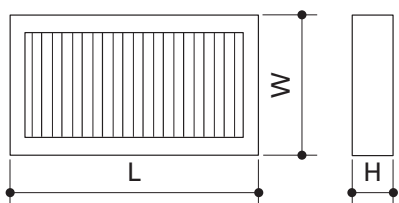
profi-air replacement filter set G4/F7

Rectangular cardboard filter for profi-air 250/360 flex ventilation units with a filter medium folded to V-shape in a cardboard frame.

profi-air replacement filter set including:

- 1x supply air filter ePM1 55 % (F7)
- 1x extract air filter ISO Coarse 75 % (G4)

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300887	for 250/360 flex	398	200	48	0.65	1



profi-air® ventilation units

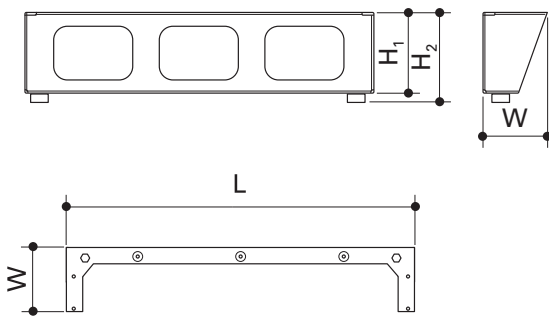
profi-air 250/360 flex ventilation unit accessories



profi-air floor mounting set

Varnished steel plate floor mounting set, including height-adjustable rubber buffers. For installation of the profi-air 250/360 flex ventilation unit on the floor.

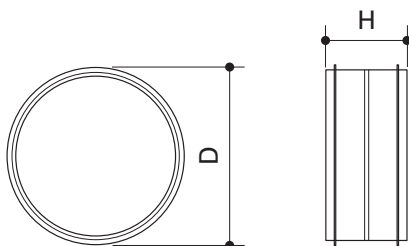
Cat. no.	Description	L [mm]	W [mm]	H ₁ [mm]	H ₂ [mm]	Weight [kg]	PU [pcs]
78300812	for 250/360 flex	525	97	120	134-155	2.00	1



profi-air connection set

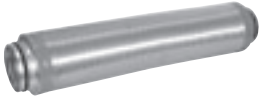
Connection set including four galvanised steel double nipples with circumferential rubber seal on both sides.

Cat. no.	Description	H [mm]	D [mm]	Iso pipe	Spiral duct	Weight [kg]	PU [pcs]
78316820	iso / spiral fold 4x DN 160	80	160	x	x	0.92	1
78318820	iso / spiral fold 4x DN 180	80	180		x	1.08	1



profi-air® ventilation units

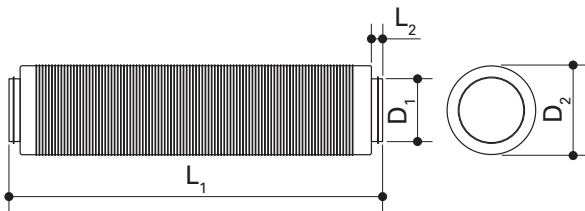
profi-air 250/360 flex ventilation unit accessories



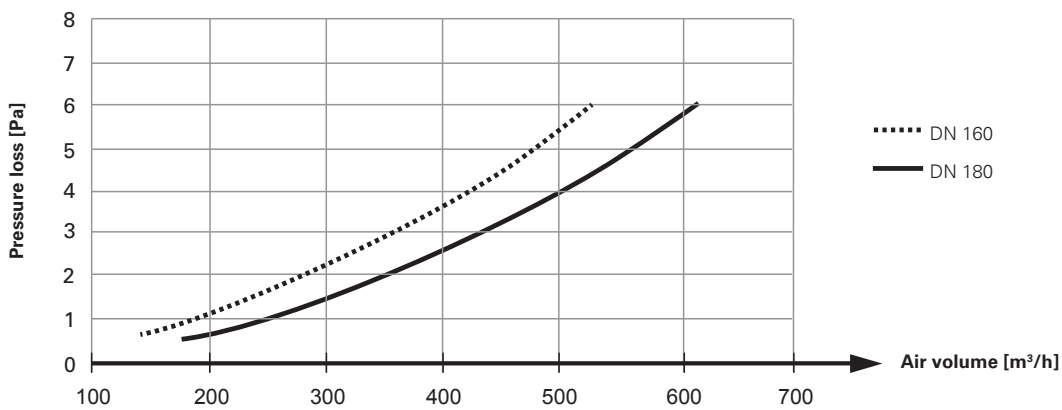
profi-air silencer

Silencer consisting of two flexible aluminium pipes with a 25 mm sound damping layer of resin-bounded mineral wool. Flexibly bendable (min. bend radius 3x outside diameter). Lip seals on silencer connections.

Cat. no.	Description	D ₁ [mm]	D ₂ [mm]	L ₁ [mm]	L ₂ [mm]	Weight [kg]	PU [pcs]
78316850	DN 160	160	210	1000	55	1.25	1
78318850	DN 180	180	230	1000	55	1.35	1



DN	Integral attenuation (dB) in octave bands (Hz)						
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
160	2	4	10	23	43	18	14
180	2	3	9	22	35	15	12



profi-air® ventilation units

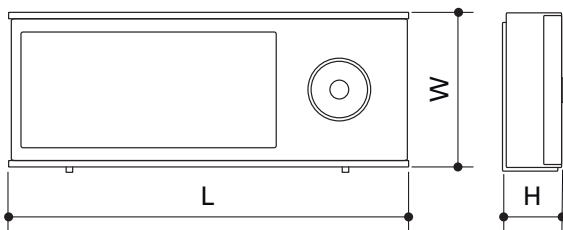
profi-air 250/360 flex ventilation unit accessories



profi-air wireless remote control

Remote control as optional control unit with LCD display to control the profi-air flat / flex ventilation unit types via radio.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300837	for 180 flat and 250/360 flex	150	60	22	0.40	1



profi-air cockpit pro connection cable

Connection cable to establish a connection between the profi-air flat / flex ventilation units and a PC for setting the unit using the profi-air cockpit pro commissioning software.

Plug types: USB type A / USB type B.

Cat. no.	Description	L [mm]	Weight [kg]	PU [pcs]
78300842	for 180 flat and 250/360 flex	3000	0.09	1

profi-air® ventilation units

profi-air 250/360 flex ventilation unit accessories



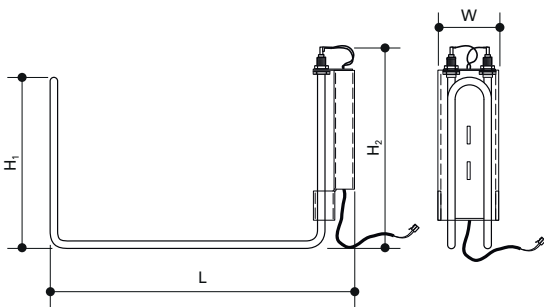
profi-air defroster heater

Defroster heater for profi-air 250/360 flex ventilation units. Comprising a double-angled heating element with connection cable. The defroster heater preheats the fresh air and is integrated directly into the ventilation unit. The defroster heater can be switched on and off via the frost protection strategy stored in the ventilation device. A safety temperature monitor and a safety temperature limiter are integrated into the heater coil for monitoring.

Technical data

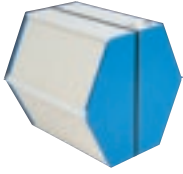
- Electrical connection: 1~230 V / 50 Hz
- Airflow rate:
 - 78301830 (250 flex): 80 to 250 m³/h
 - 78302830 (360 flex): 100 to 360 m³/h
- Heating performance
 - 78301830 (250 flex): 1.4 kW
 - 78302830 (360 flex): 1.85 kW

Cat. no.	Description	L [mm]	W [mm]	H ₁ [mm]	H ₂ [mm]	Weight [kg]	PU [pcs]
78301830	1.4 kW for 250 flex	370	73	203	245	0.65	1
78302830	1.85 kW for 360 flex	370	73	203	245	0.65	1



profi-air® ventilation units

profi-air 250/360 flex ventilation unit accessories



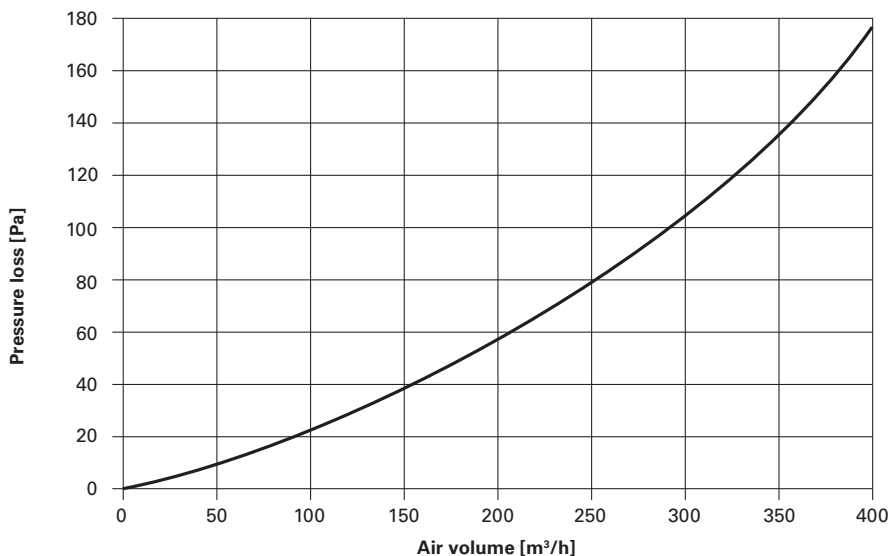
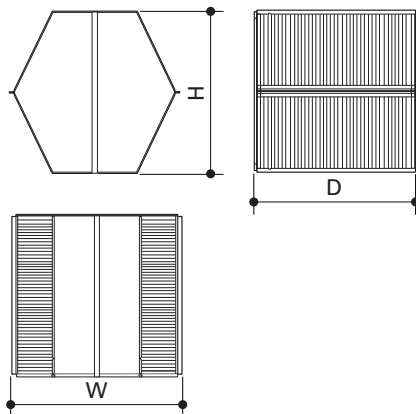
profi-air enthalpy heat exchanger

Enthalpy heat exchanger for retrofitting installation into the profi-air 250/360 flex ventilation unit. The highly efficient heat exchanger transports heat and humidity thus preventing living quarters from drying out during winter months.

The basic physical principle of osmosis of water vapour through the pore structure of a special-purpose polymeric membrane is used for humidity transportation. It is only heat and water vapour that are transported through the membrane. It is impermeable to other substances such as gases, contaminations and odours.

Long service life with constantly high transmission values, minimum leakage, low pressure loss, freeze and thermal tolerance, easy cleaning using water as well as antimicrobial coating.

Cat. no.	Description	H [mm]	W [mm]	D [mm]	Weight [kg]	PU [pcs]
78300803	for 250/360 flex	366	366	400	8.70	1



profi-air® ventilation units

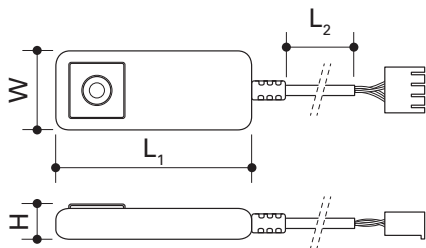
profi-air 250/360 flex ventilation unit accessories



profi-air internal VOC sensor

VOC sensor for the needs-based automatic control via the pollutant content in the room air, including cable. For installation in the extract air channel of the profi-air flat / flex ventilation unit.

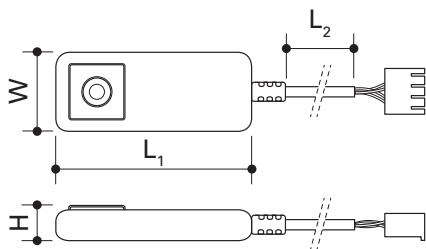
Cat. no.	Description	L ₁ [mm]	L ₂ [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300834	for 180 flat and 250/360 flex	40	700	25	8	0.10	1



profi-air internal humidity sensor

Humidity sensor for the needs-based automatic control via the water content in the room air, including cable. For installation in the extract air channel of the profi-air flat / flex ventilation unit.

Cat. no.	Description	L ₁ [mm]	L ₂ [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300835	for 180 flat and 250/360 flex	40	700	25	8	0.10	1



profi-air® ventilation units

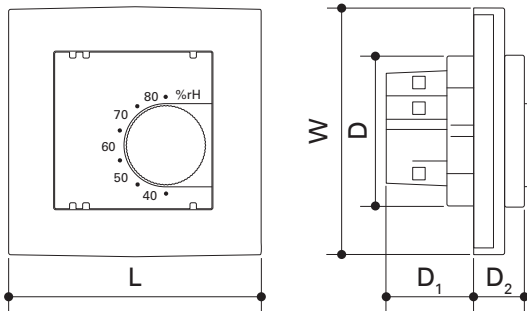
profi-air 250/360 flex ventilation unit accessories



profi-air room humidistat

Room humidistat for the needs-based automatic control via the water content in the room air. For installation in the room. For profi-air flat / flex ventilation units.

Cat. no.	Description	D [mm]	L [mm]	W [mm]	D ₁ [mm]	D ₂ [mm]	Weight [kg]	PU [pcs]
78300841	for 180 flat and 250/360 flex	47	81	85	26.5	16	0.10	1

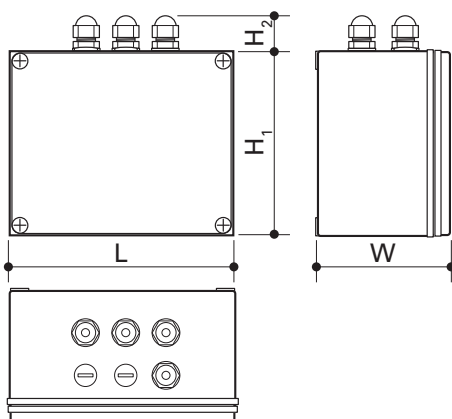


profi-air electrical connection box

Electrical connection box to expand the range of functions of profi-air flat / flex ventilation units:

- Fire alarm
- Standby switch
- Room humidistat
- External fan activation
- Filter alarm
- Fault alarm

Cat. no.	Description	L [mm]	W [mm]	H ₁ [mm]	H ₂ [mm]	Weight [kg]	PU [pcs]
78300838	for 180 flat and 250/360 flex	170	100	140	25	0.90	1



profi-air® ERP Datenblätter

profi-air® Lüftungsgerät 180 flat

Hersteller	FRÄNKISCHE Rohrwerke Gebr. Kirchner GmbH & Co. KG Hellinger Straße 1, 97486 Königsberg			
Produkttyp	profi-air 180 flat			
Artikelnummer	78305718			
Zusatzrüstung	keine			
Spezifischer Energieverbrauch	SEC	kalt	-77,7	[kWh/m ² a]
		durchschnittlich	-38,5	
		warm	-13,4	
Energieeffizienzklasse	A			
Typ	RVU / BVU			
	VSD			

profi-air® ERP data sheets

- profi-air 180 flat
- profi-air 250 flex
- profi-air 360 flex

profi-air® ERP data sheets

profi-air ventilation unit 180 flat

Manufacturer		FRÄNKISCHE Rohrwerke Gebr. Kirchner GmbH & Co. KG Hellinger Straße 1, 97486 Königsberg/Germany		
Type of product		profi-air 180 flat		
Catalogue number		78305718		
Additional equipment		none		
Specific energy consumption	SEC	cold	-77.7	[kWh/(m ² a)]
		average	-38.5	
		warm	-13.4	
Energy efficiency grade		A		
Type		RVU / BVU		
Type of drive		VSD		
Type of heat recovery		recuperation		
Thermal efficiency	η _t	92	[%]	
Highest airflow rate		180	[m ³ /h]	
Electric power input		127	[W]	
Sound power level	L _{WA}	49	[dB(A)]	
Reference airflow rate		0.035 126	[m ³ /s] [m ³ /h]	
Reference pressure difference		50	[Pa]	
Specific power input	SPI	0.27	[W/(m ³ /h)]	
Control typology		time control (no demand control)		
Control factor		0.95		
Highest internal air leakage rate		0.5	[%]	
Highest external air leakage rate		0.7	[%]	
Location and description of filter warning indicator		fault report indicator on the external control panel (visual)		
Website		www.fraenkische.com		
Annual energy consumption	AEC	cold	8.87	[kWh/(m ² a)]
		average	3.50	
		warm	3.05	
Annual heating energy savings	AHS	cold	91.1	[kWh/(m ² a)]
		average	46.6	
		warm	21.1	

profi-air® ERP data sheets

profi-air 180 flat ventilation unit with external sensors

Manufacturer		FRÄNKISCHE Rohrwerke Gebr. Kirchner GmbH & Co. KG Hellinger Straße 1, 97486 Königsberg/Germany		
Type of product		profi-air 180 flat		
Catalogue number		78305718		
Additional equipment		min. 2 sensors 78300841		
Specific energy consumption	SEC	cold	-83.2	[kWh/(m ² a)]
		average	-43.3	
		warm	-17.8	
Energy efficiency grade		A+		
Type		RVU / BVU		
Type of drive		VSD		
Type of heat recovery		recuperation		
Thermal efficiency	η_t	92	[%]	
Highest airflow rate		180	[m ³ /h]	
Electric power input		127	[W]	
Sound power level	L_{WA}	49	[dB(A)]	
Reference airflow rate		0.035	[m ³ /s]	
		126	[m ³ /h]	
Reference pressure difference		50	[Pa]	
Specific power input	SPI	0.27	[W/(m ³ /h)]	
Control typology		peripheral demand control		
Control factor		0.65		
Highest internal air leakage rate		0.5	[%]	
Highest external air leakage rate		0.7	[%]	
Location and description of filter warning indicator		fault report indicator on the external control panel (visual)		
Website		www.fraenkische.com		
Annual energy consumption	AEC	cold	7.25	[kWh/(m ² a)]
		average	1.88	
		warm	1.43	
Annual heating energy savings	AHS	cold	92.6	[kWh/(m ² a)]
		average	47.4	
		warm	21.4	

profi-air® ERP data sheets

profi-air 250 flex ventilation unit

Manufacturer		FRÄNKISCHE Rohrwerke Gebr. Kirchner GmbH & Co. KG Hellinger Straße 1, 97486 Königsberg/Germany		
Type of product		profi-air 250 flex		
Catalogue number		78304725		
Additional equipment		none		
Specific energy consumption	SEC	cold	-78.5	[kWh/(m ² a)]
		average	-39.4	
		warm	-14.3	
Energy efficiency grade		A		
Type		RVU / BVU		
Type of drive		VSD		
Type of heat recovery		recuperation		
Thermal efficiency	η _t	92	[%]	
Highest airflow rate		250	[m ³ /h]	
Electric power input		170	[W]	
Sound power level	L _{WA}	46	[dB(A)]	
Reference airflow rate		0.049 175	[m ³ /s] [m ³ /h]	
Reference pressure difference		50	[Pa]	
Specific power input	SPI	0.24	[W/(m ³ /h)]	
Control typology		time control (no demand control)		
Control factor		0.95		
Highest internal air leakage rate		1.4	[%]	
Highest external air leakage rate		1.7	[%]	
Location and description of filter warning indicator		fault report indicator on the integrated control panel (visual)		
Website		www.fraenkische.com		
Annual energy consumption	AEC	cold	8.53	[kWh/(m ² a)]
		average	3.16	
		warm	2.71	
Annual heating energy savings	AHS	cold	91.1	[kWh/(m ² a)]
		average	46.6	
		warm	21.0	

profi-air® ERP data sheets

profi-air 250 flex ventilation unit with external sensors

Manufacturer		FRÄNKISCHE Rohrwerke Gebr. Kirchner GmbH & Co. KG Hellinger Straße 1, 97486 Königsberg/Germany		
Type of product		profi-air 250 flex		
Catalogue number		78304725		
Additional equipment		min. 2 sensors 78300841		
Specific energy consumption	SEC	cold	-83.6	[kWh/(m ² a)]
		average	-43.7	
		warm	-18.2	
Energy efficiency grade		A+		
Type		RVU / BVU		
Type of drive		VSD		
Type of heat recovery		recuperation		
Thermal efficiency	η_t	92	[%]	
Highest airflow rate		250	[m ³ /h]	
Electric power input		170	[W]	
Sound power level	L_{WA}	46	[dB(A)]	
Reference airflow rate		0.049 175	[m ³ /s] [m ³ /h]	
Reference pressure difference		50	[Pa]	
Specific power input	SPI	0.24	[W/(m ³ /h)]	
Control typology		peripheral demand control		
Control factor		0.65		
Highest internal air leakage rate		1.4	[%]	
Highest external air leakage rate		1.7	[%]	
Location and description of filter warning indicator		fault report indicator on the integrated control panel (visual)		
Website		www.fraenkische.com		
Annual energy consumption	AEC	cold	7.09	[kWh/(m ² a)]
		average	1.72	
		warm	1.27	
Annual heating energy savings	AHS	cold	92.6	[kWh/(m ² a)]
		average	47.3	
		warm	21.4	

profi-air® ERP data sheets

profi-air 360 flex ventilation unit

Manufacturer		FRÄNKISCHE Rohrwerke Gebr. Kirchner GmbH & Co. KG Hellinger Straße 1, 97486 Königsberg/Germany		
Type of product		profi-air 360 flex		
Catalogue number		78304736		
Additional equipment		none		
Specific energy consumption	SEC	cold	-74,9	[kWh/(m ² a)]
		average	-37,5	
		warm	-13,5	
Energy efficiency grade		A		
Type		RVU / BVU		
Type of drive		VSD		
Type of heat recovery		recuperation		
Thermal efficiency	η _t	86	[%]	
Highest airflow rate		360	[m ³ /h]	
Electric power input		230	[W]	
Sound power level	L _{WA}	50	[dB(A)]	
Reference airflow rate		0.07 252	[m ³ /s] [m ³ /h]	
Reference pressure difference		50	[Pa]	
Specific power input	SPI	0.24	[W/(m ³ /h)]	
Control typology		time control (no demand control)		
Control factor		0.95		
Highest internal air leakage rate		< 2	[%]	
Highest external air leakage rate		< 2	[%]	
Location and description of filter warning indicator		fault report indicator on the integrated control panel (visual)		
Website		www.fraenkische.com		
Annual energy consumption	AEC	cold	8,53	[kWh/(m ² a)]
		average	3,16	
		warm	2,71	
Annual heating energy savings	AHS	cold	87,6	[kWh/(m ² a)]
		average	44,8	
		warm	20,2	

profi-air® ERP data sheets

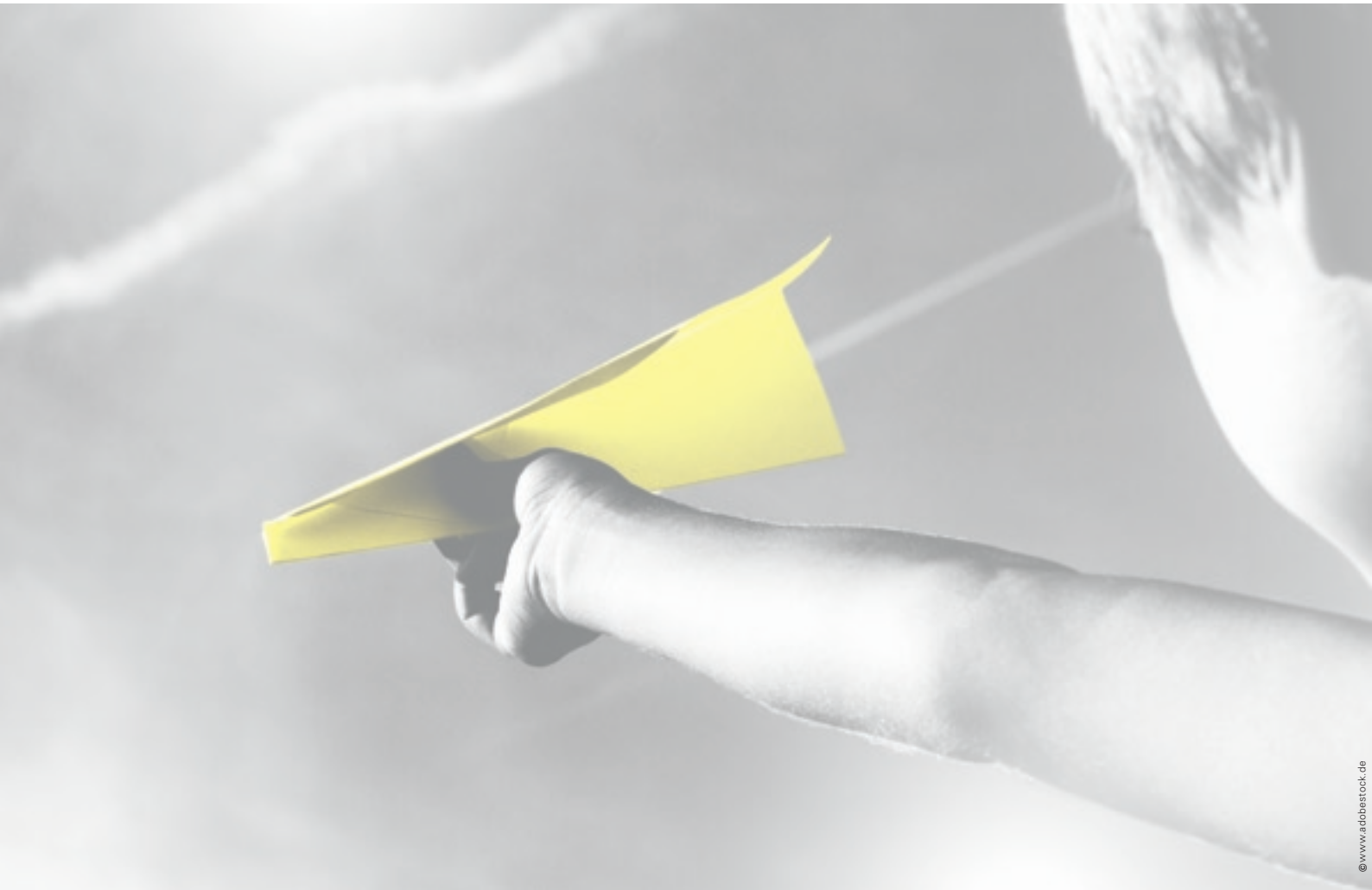
profi-air 360 flex ventilation unit with external sensors

Manufacturer		FRÄNKISCHE Rohrwerke Gebr. Kirchner GmbH & Co. KG Hellinger Straße 1, 97486 Königsberg/Germany		
Type of product		profi-air 360 flex		
Catalogue number		78304736		
Additional equipment		min. 2 sensors 78300841		
Specific energy consumption	SEC	cold	- 81,2	[kWh/(m ² a)]
		average	- 42,5	
		warm	- 17,7	
Energy efficiency grade		A+		
Type		RVU / BVU		
Type of drive		VSD		
Type of heat recovery		recuperation		
Thermal efficiency	η_t	86	[%]	
Highest airflow rate		360	[m ³ /h]	
Electric power input		230	[W]	
Sound power level	L_{WA}	50	[dB(A)]	
Reference airflow rate		0.07 252	[m ³ /s] [m ³ /h]	
Reference pressure difference		50	[Pa]	
Specific power input	SPI	0.24	[W/(m ³ /h)]	
Control typology		peripheral demand control		
Control factor		0.65		
Highest internal air leakage rate		< 2	[%]	
Highest external air leakage rate		< 2	[%]	
Location and description of filter warning indicator		fault report indicator on the integrated control panel (visual)		
Website		www.fraenkische.com		
Annual energy consumption	AEC	cold	7,09	[kWh/(m ² a)]
		average	1,72	
		warm	1,27	
Annual heating energy savings	AHS	cold	90,2	[kWh/(m ² a)]
		average	46,1	
		warm	20,8	

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FRÄNKISCHE

FRÄNKISCHE Rohrwerke Gebr. Kirchner GmbH & Co. KG | Hellinger Str. 1 | 97486 Königsberg/Germany
Phone +49 9525 88-2200 | Fax +49 9525 88-92200 | marketing@fraenkische.de | www.fraenkische.com

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