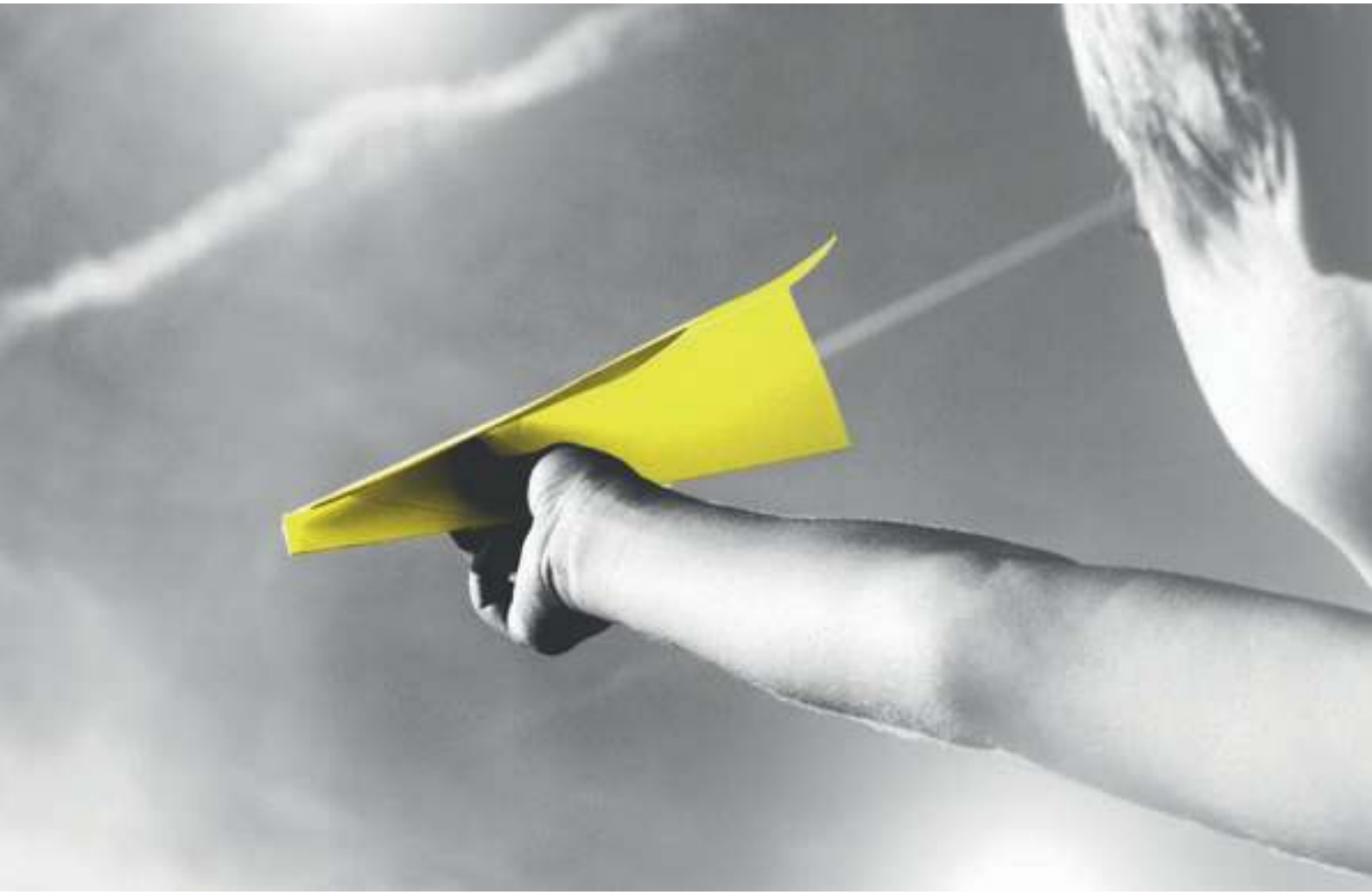
FRÄNKISCHE

Main catalogue

profi-air® – heat recovery ventilation



Building technology from the expert

2020

Building Technology
www.fraenkische.com

FRÄNKISCHE

profi-air® – the complete system for heat recovery ventilation



profi-air classic and tunnel pipe systems
In-house manufactured pipes with a smooth, antibacterial and antistatic inner surface

profi-air flat, flex and touch ventilation units
Efficient ventilation units for hygienic air exchange

starline design grills collection
Exclusive ventilation grills with innovative magnetic fixing

Building technology from the expert.

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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
R	Male thread (conical)
R_P	Female thread (cylindrical)



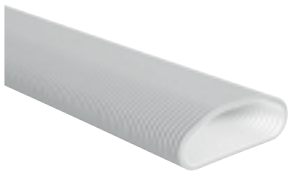
profi-air® pipe systems

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



profi-air® pipe systems

profi-air tunnel

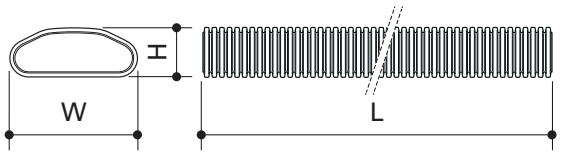


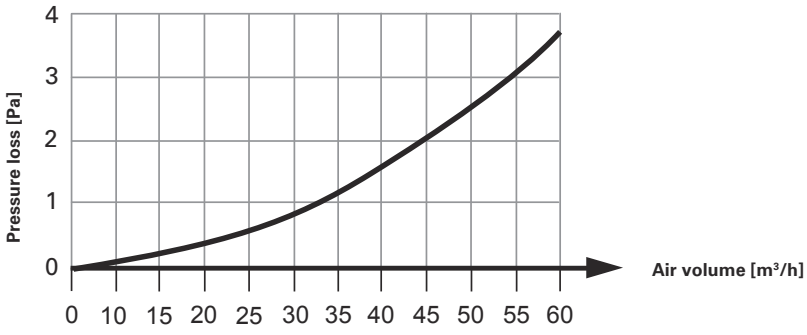
profi-air tunnel pipe, grey

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

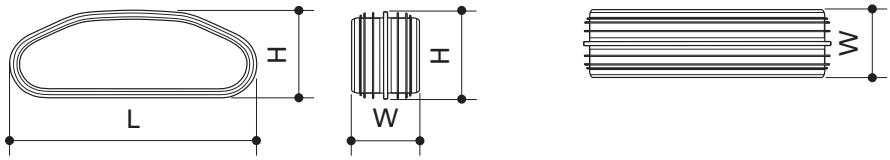
profi-air tunnel



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

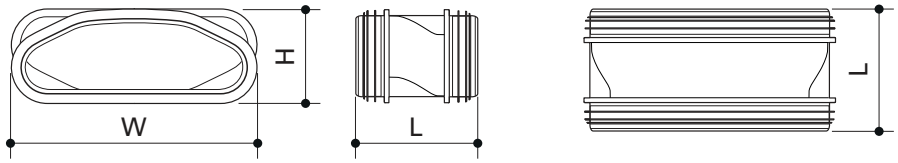




profi-air tunnel connecting element rotated 180°

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

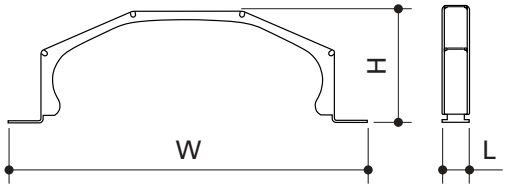
profi-air tunnel



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

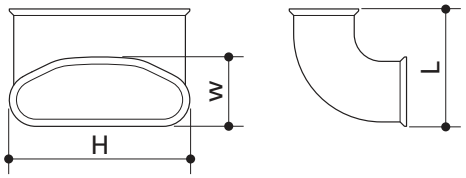


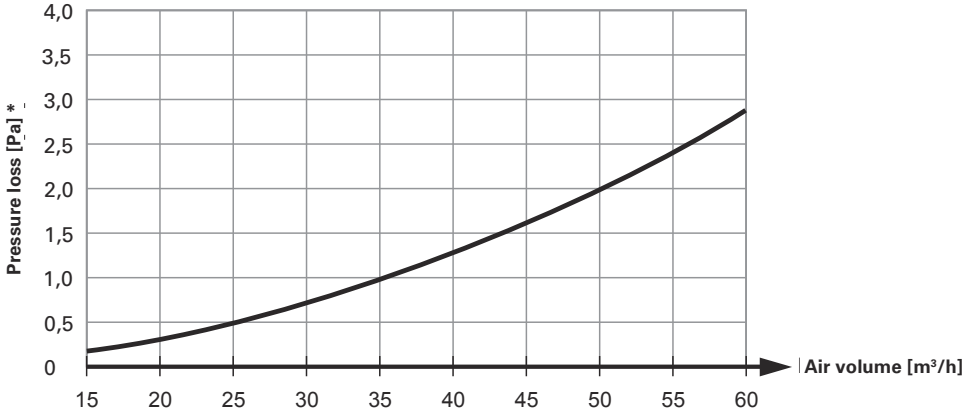


profi-air tunnel 90° bend, vertical

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

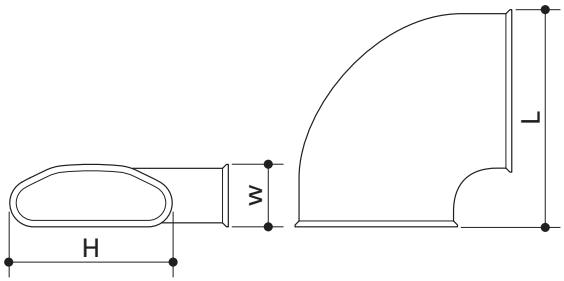
profi-air tunnel

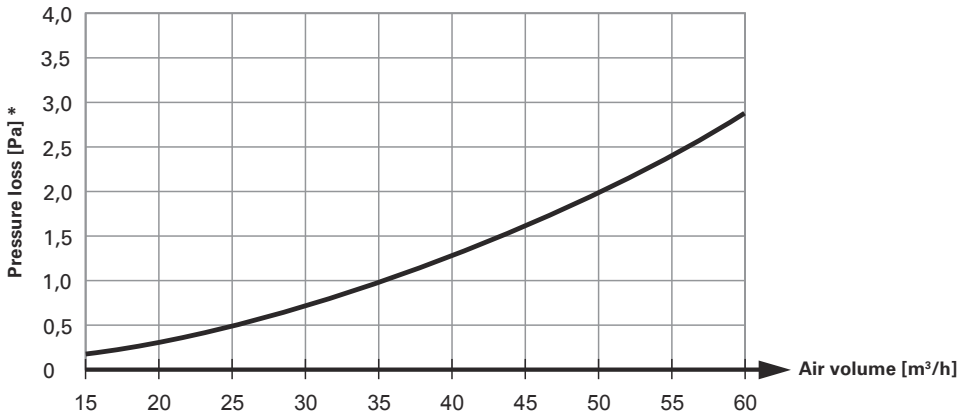


profi-air tunnel 90° bend, horizontal

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® pipe systems

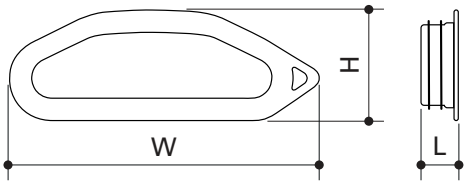
profi-air tunnel



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

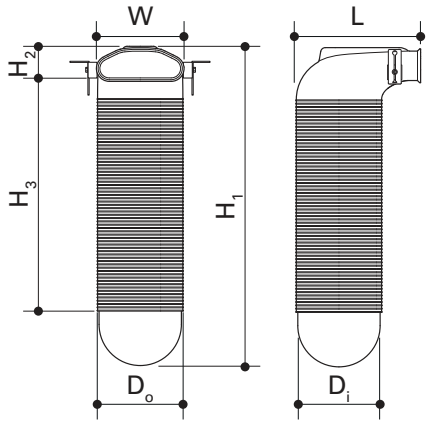
profi-air tunnel

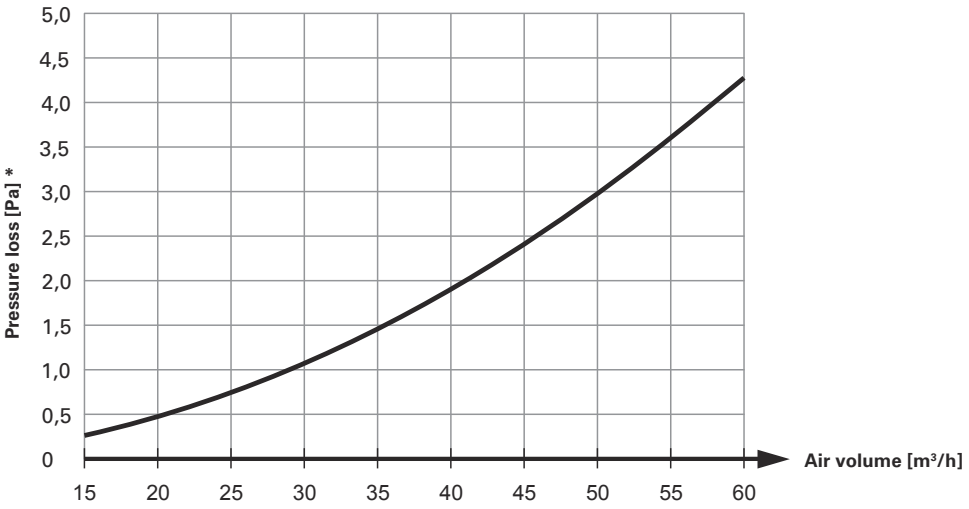


profi-air tunnel 90° air outlet

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





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

profi-air® pipe systems

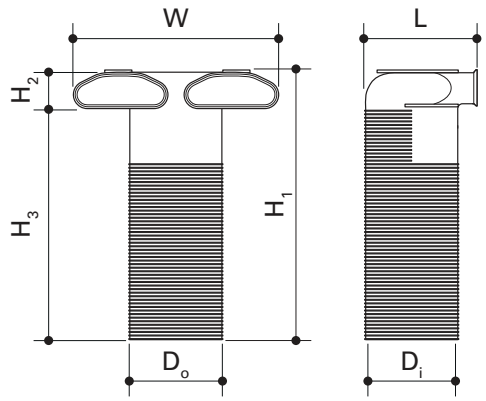
profi-air tunnel

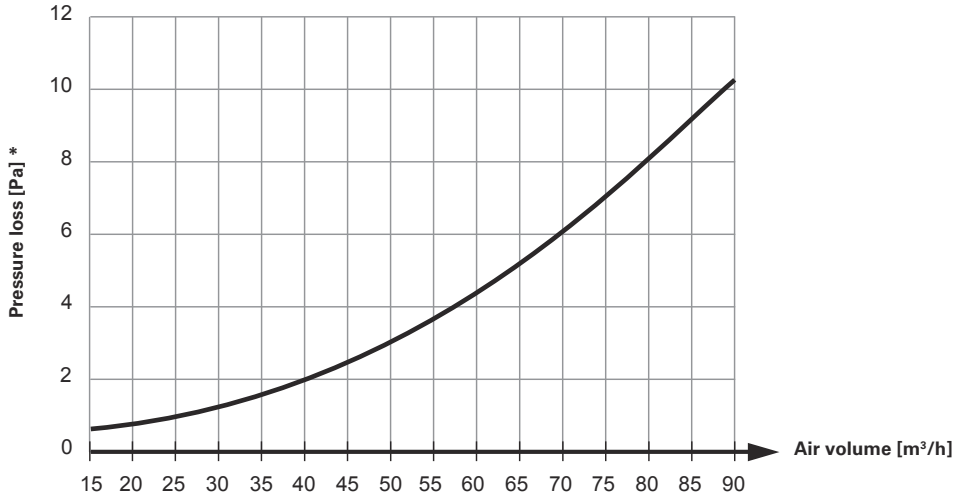


profi-air tunnel 90° air outlet

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

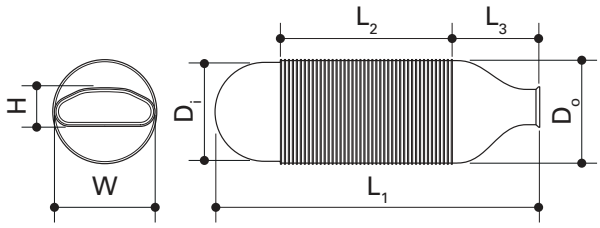
profi-air tunnel

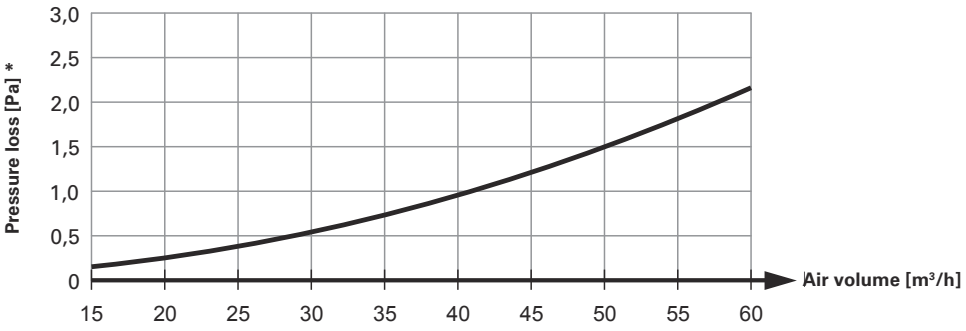


profi-air tunnel air outlet

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

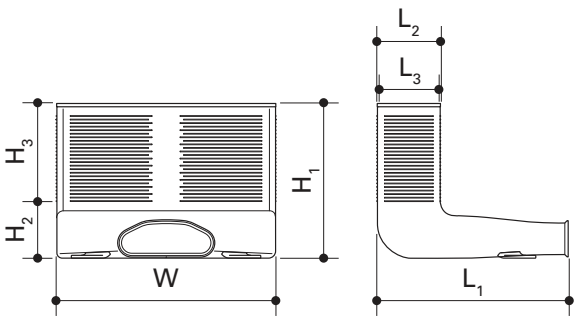
profi-air tunnel

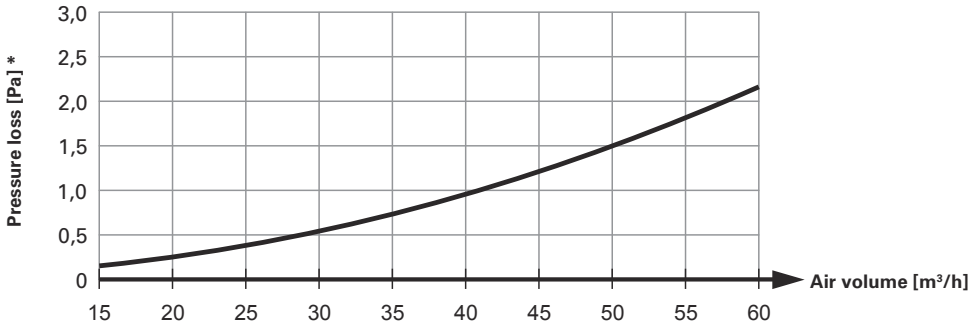


profi-air tunnel 90° air outlet

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





*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

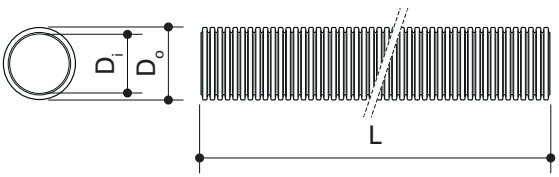
Ring stiffness

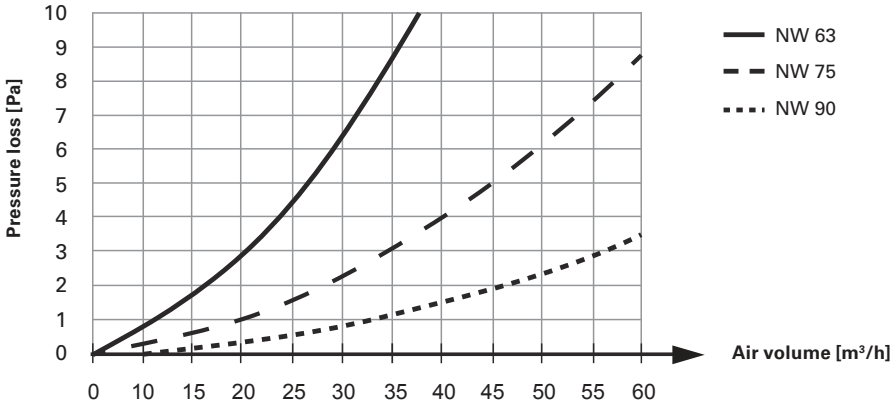
- NW 63 > 8 kN / m² EN ISO 9969
- NW 75 > 8 kN / m² EN ISO 9969
- NW 90 > 7 kN / m² EN ISO 9969

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

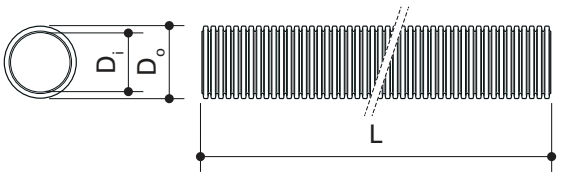
Ring stiffness

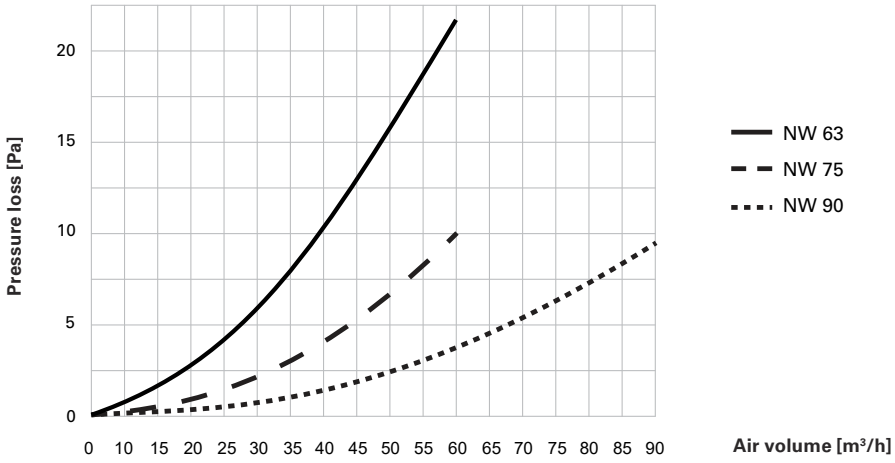
- NW 63 > 8 kN / m² EN ISO 9969
- NW 75 > 8 kN / m² EN ISO 9969
- NW 90 > 7 kN / m² EN ISO 9969

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

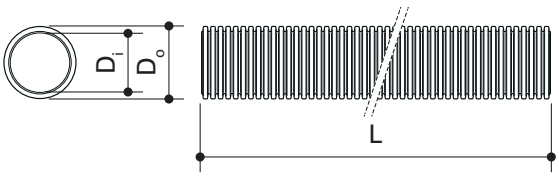
Ring stiffness

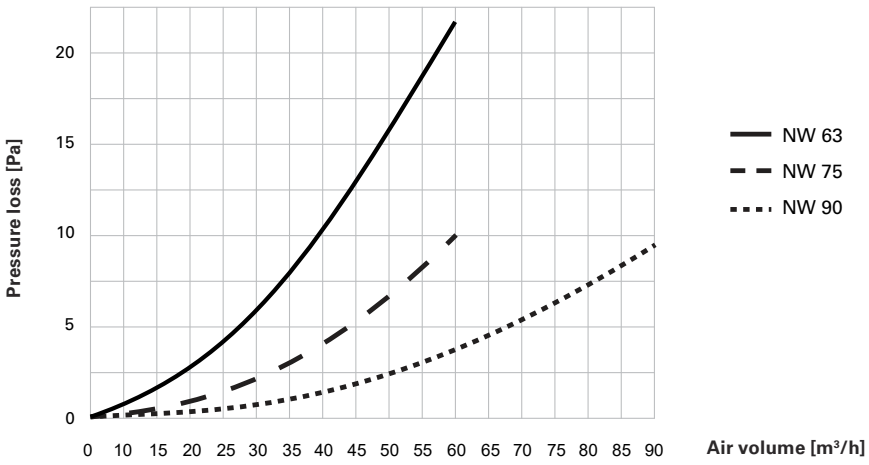
- NW 63 > 8 kN / m² EN ISO 9969
- NW 75 > 8 kN / m² EN ISO 9969
- NW 90 > 7 kN / m² EN ISO 9969

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

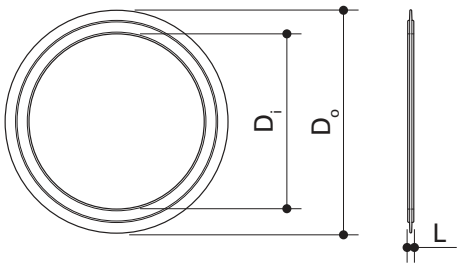
profi-air classic



profi-air classic sealing ring

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

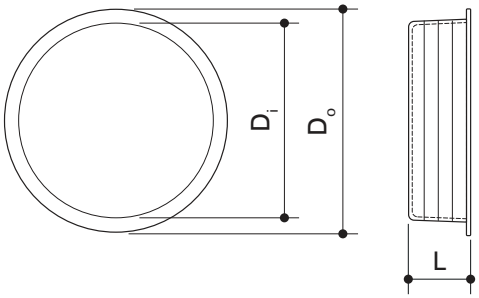
Cat. no.	Description	D_i [mm]	D_o [mm]	L [mm]	Weight [kg]	PU [pcs]
78363375	NW 63	49	65	2.3	0.002	10
78375375	NW 75	59	76	2.3	0.003	10
78390375	NW 90	73	90	2.3	0.004	10



profi-air classic end plug

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

Cat. no.	Description	D_o [mm]	D_i [mm]	L [mm]	Weight [kg]	PU [pcs]
78363370	NW 63	61	50	12	0.007	5
78375370	NW 75	71	54	31	0.010	5
78390370	NW 90	86	76	18	0.015	5



profi-air® pipe systems

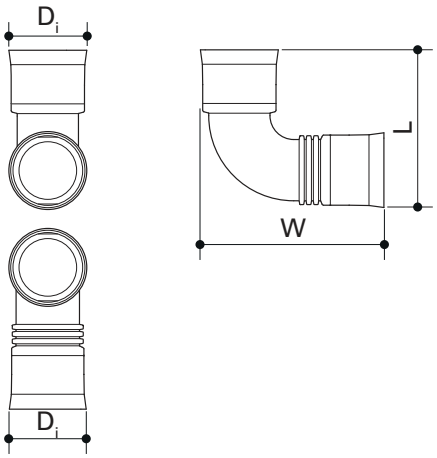
profi-air classic

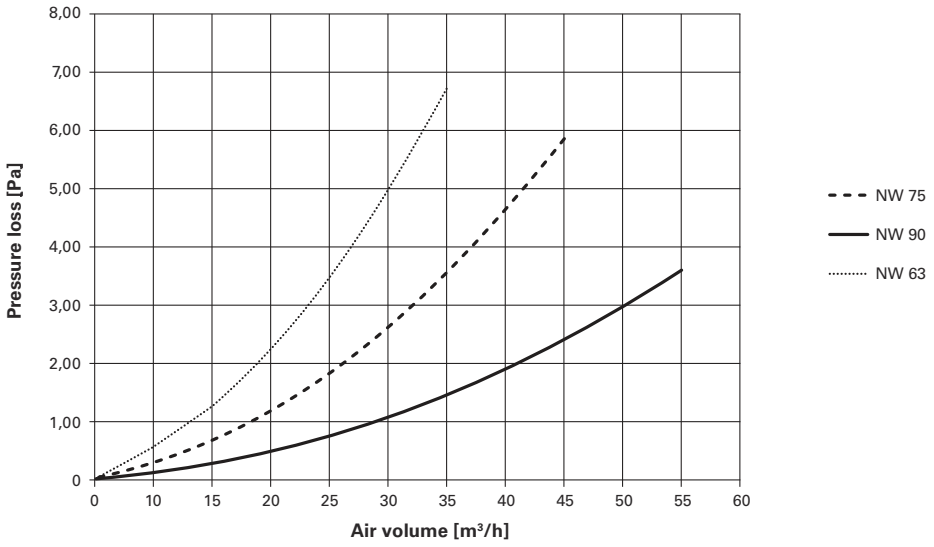


profi-air classic 90° bend plus

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

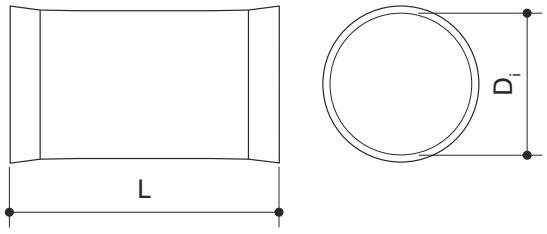
profi-air classic



profi-air classic 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

NEW

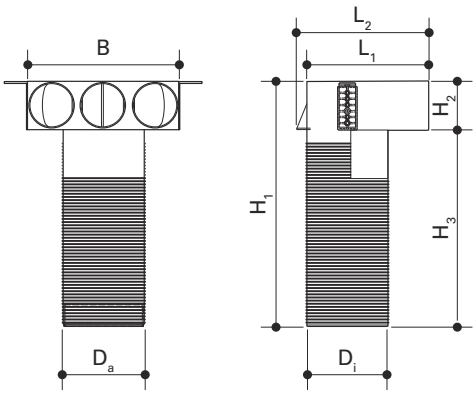


profi-air classic 90° air outlet plus

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.

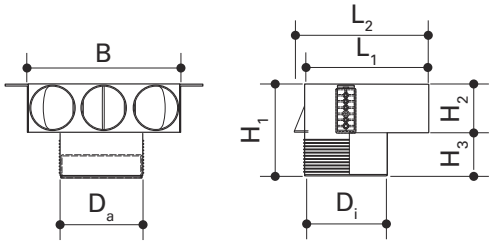
Cat. no.	Description	D_i [mm]	D_o [mm]	L_1 [mm]	L_2 [mm]	B [mm]	H_1 [mm]	H_2 [mm]	H_3 [mm]	Weight [kg]	PU [pcs]
78363381	DN 125 - 3 x NW 63*	125	130	185	199	234	371	74	297	1,04	1
78363382	short DN 125 - 3 x NW 63*	125	130	185	199	234	138	74	64	0,76	1

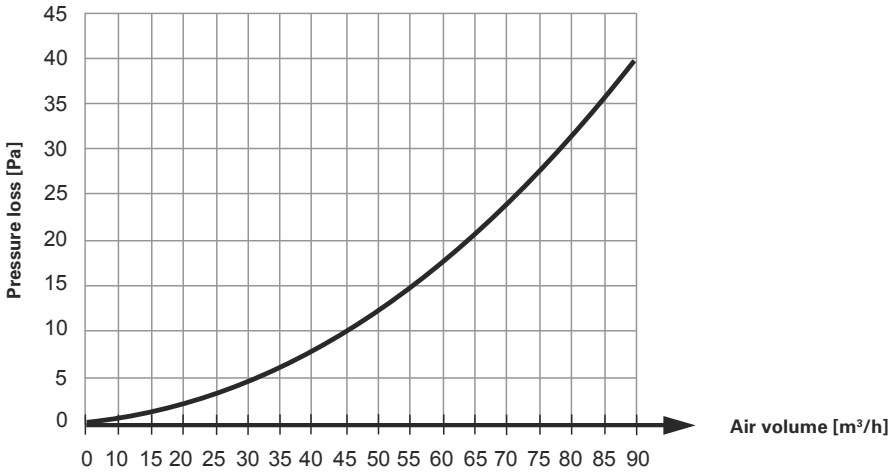
* available April 2020



NOTE

Successor item for profi-air classic 90° air outlet DN 125 – 3x NW 63, Cat. no. 78363380 (available until April 2020).





profi-air® pipe systems

profi-air classic

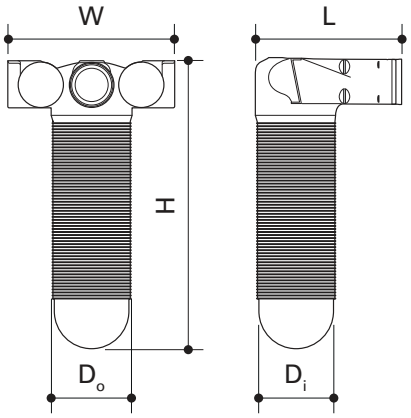


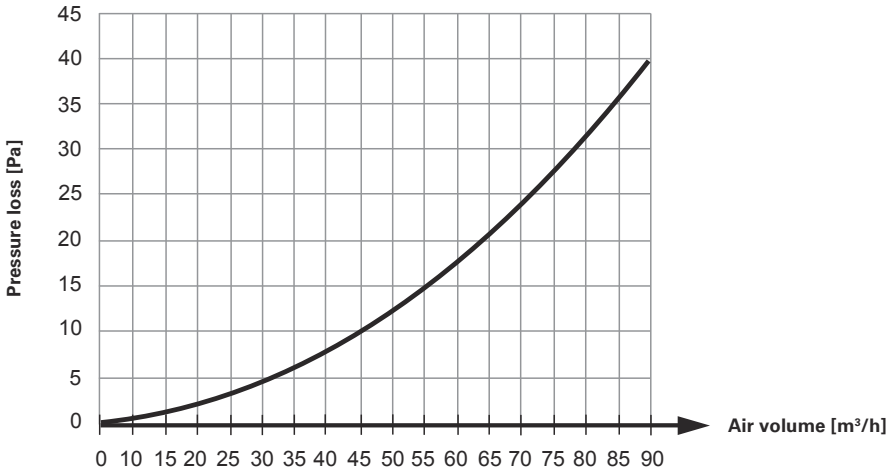
profi-air classic 90° air outlet

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 integrated fastening lugs.

Cat. no.	Description	D_i [mm]	D_o [mm]	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78363380	DN 125 - 3 x NW 63	125	133	240	251	467	0.57	1

* available until April 2020





profi-air® pipe systems

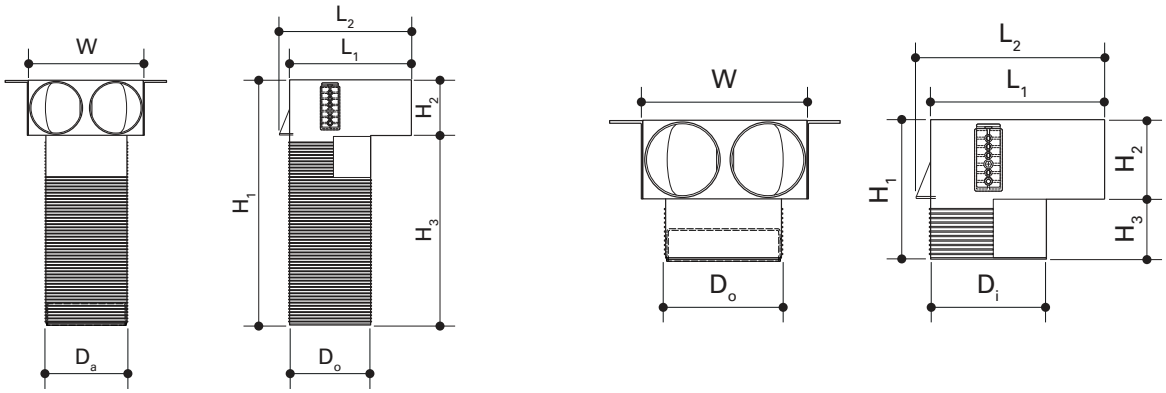
profi-air classic

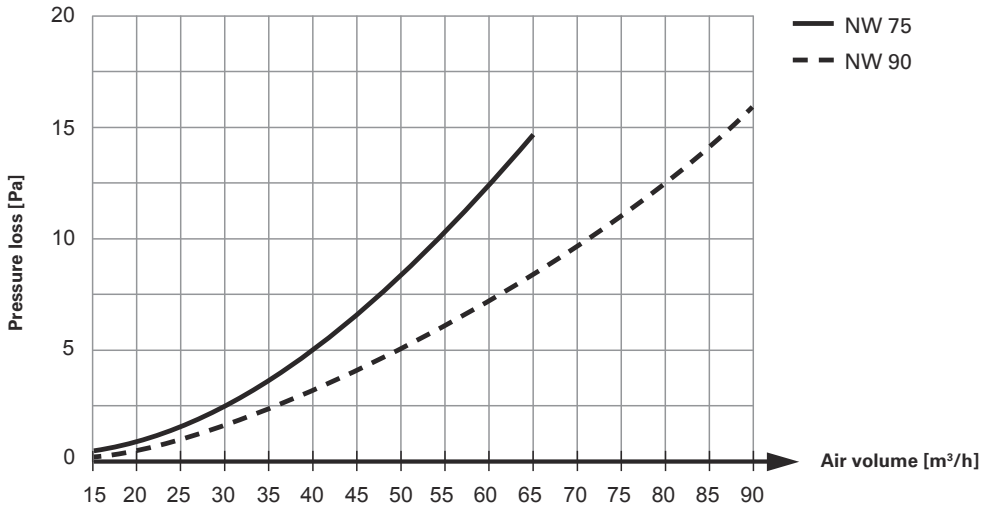


profi-air 90° air outlet plus

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 [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	383	86	297	0.91	1
78390381	DN 125 2x NW 90	125	130	197	210	211	400	103	297	1.03	1
78375382	short DN 125 2x NW 75	125	130	191	205	180	150	86	64	0.47	1
78390382	short DN 125 2x NW 90	125	130	197	210	211	167	103	64	0.75	1





profi-air® pipe systems

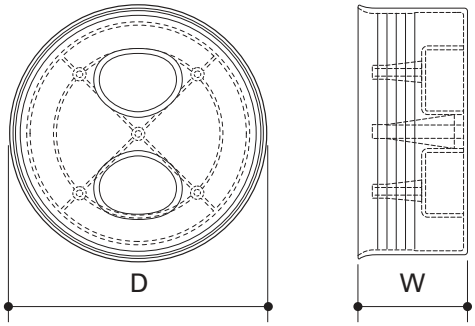
profi-air classic



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

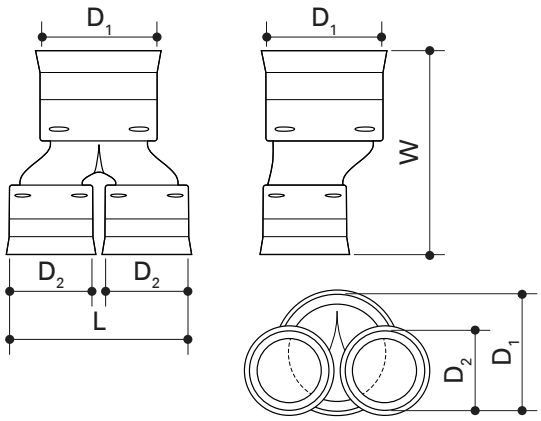
profi-air classic

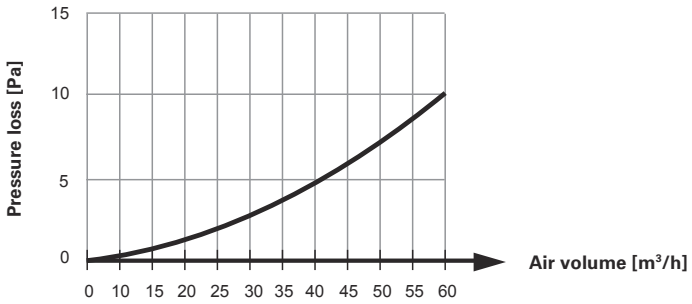


profi-air classic adapter

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

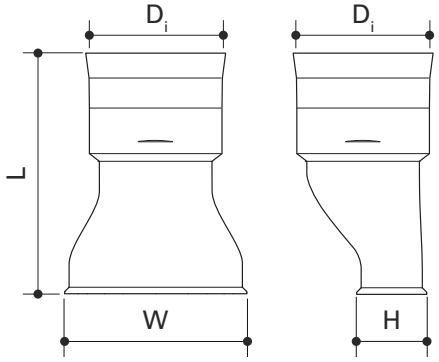


profi-air adapter tunnel / classic

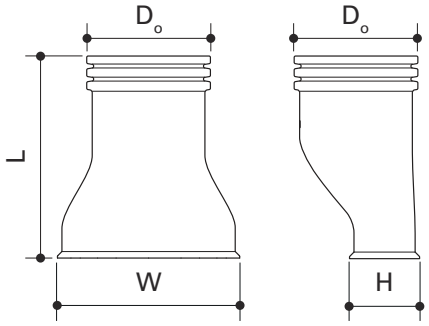
PE-HD straight adapter to connect profi-air tunnel pipes and/or fittings to profi-air classic pipes and/or fittings.

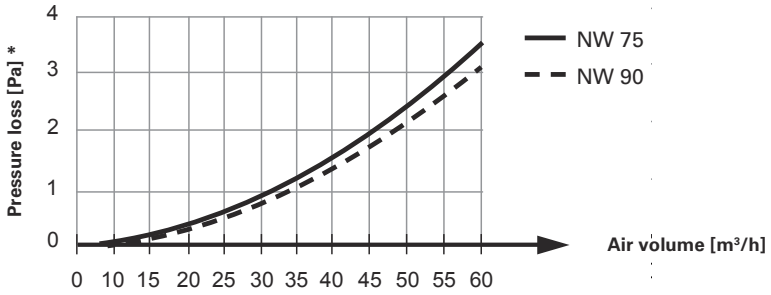
Cat. no.	Description	D_i [mm]	D_o [mm]	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78313223	❶ 132 x 52 mm - pipe NW 75	77	-	162	132	52	0.09	1
78313224	❶ 132 x 52 mm - pipe NW 90	92	-	162	132	52	0.09	1
78313225	❷ 132 x 52 mm - fitting NW 90	-	91	147	132	52	0.09	1

78313223 / 78313224



78313225





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

profi-air® pipe systems

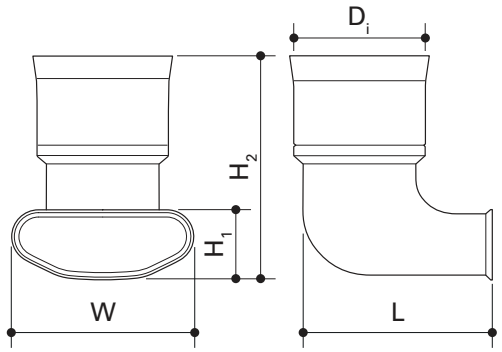
profi-air tunnel / classic

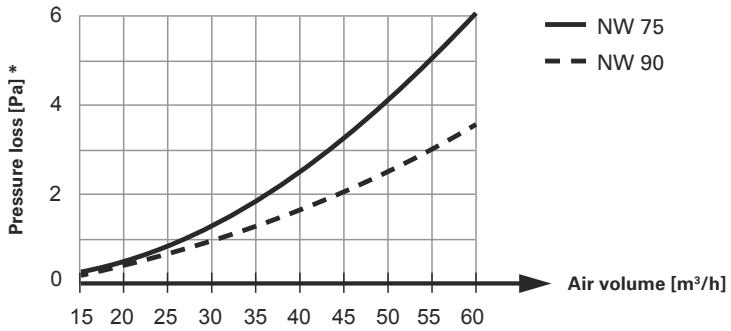


profi-air 90° adapter bend

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 Ovalkanal

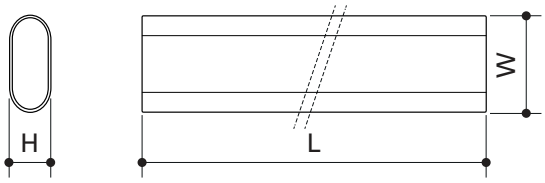


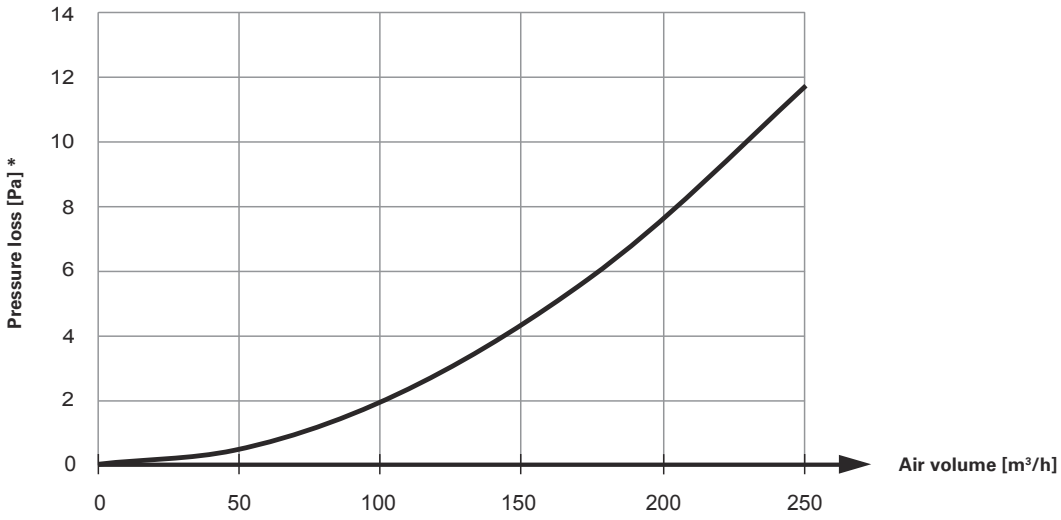
profi-air Ovalkanal pipe, white

ABS oval-shaped pipe to connect a manifold and a ventilation unit for wall or ceiling installation. The Ovalkanal pipe is not hard-wearing; to be installed on the wall / ceiling. The Ovalkanal 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 Ovalkanal sealing and connecting element, cat. no. 78316410

profi-air® accessories

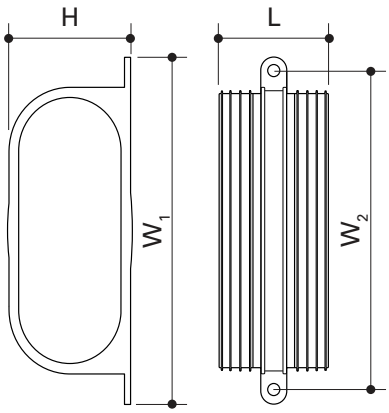
profi-air Ovalkanal



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

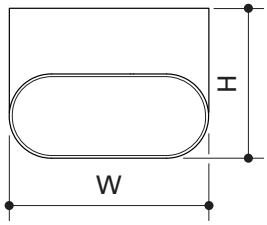
profi-air Ovalkanal

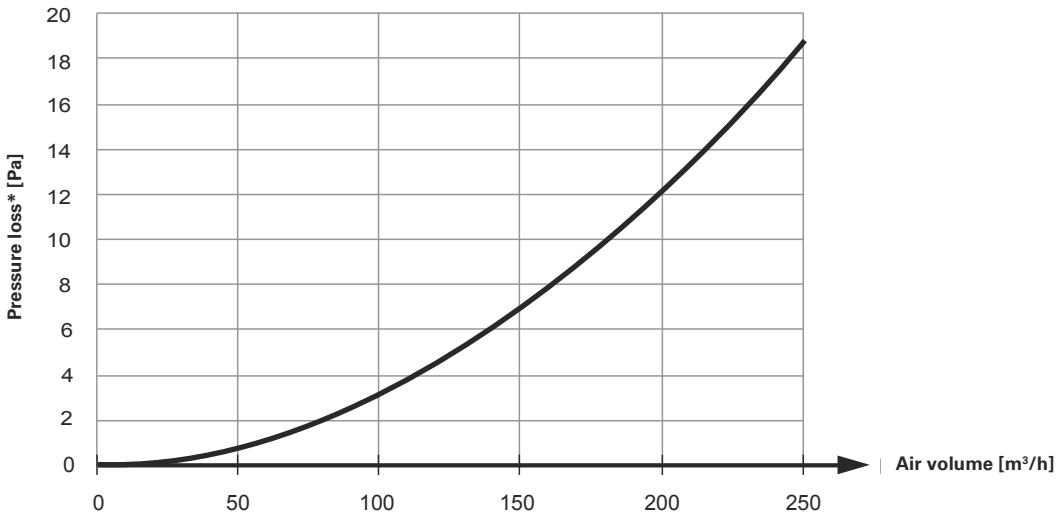


profi-air Ovalkanal 90° bend, vertical

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

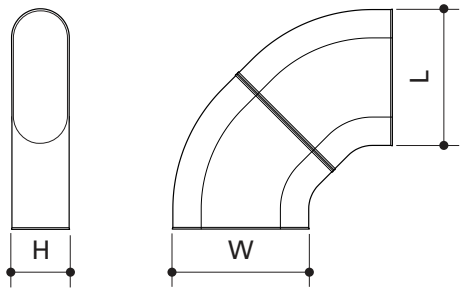
profi-air Ovalkanal

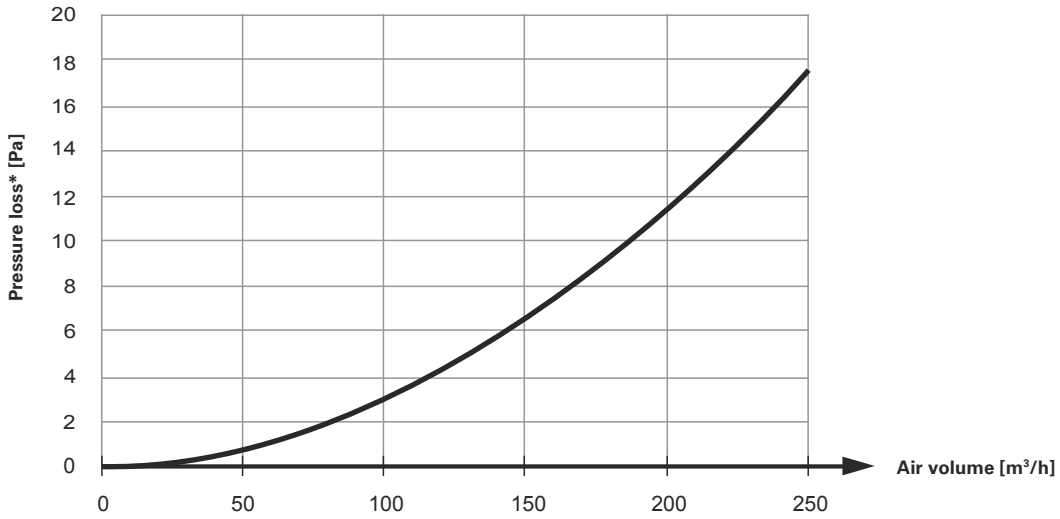


profi-air Ovalkanal 90° bend, horizontal

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	265	163	68	0.28	1





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

profi-air® pipe systems

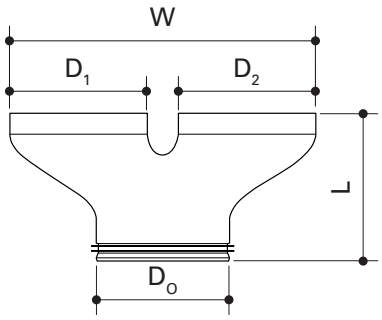
profi-air Ovalkanal

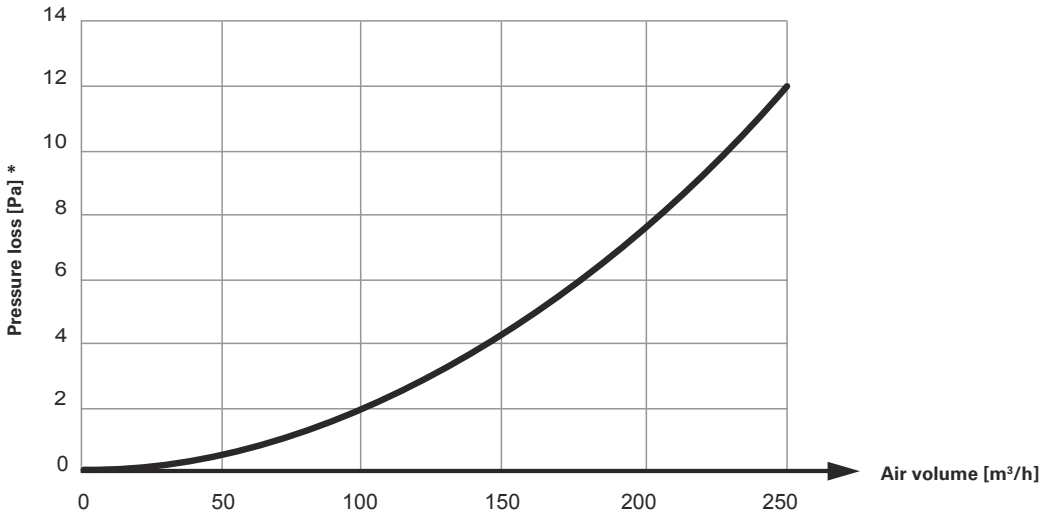


profi-air Ovalkanal adapter

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_o [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

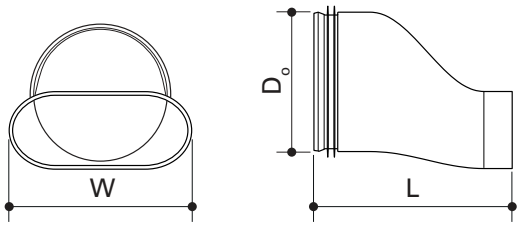
profi-air Ovalkanal

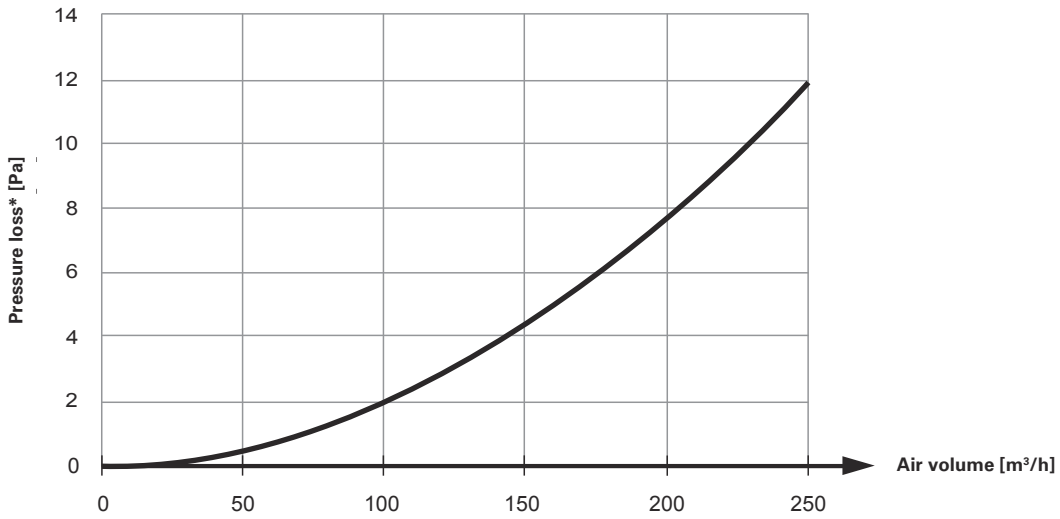


profi-air Ovalkanal adapter

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

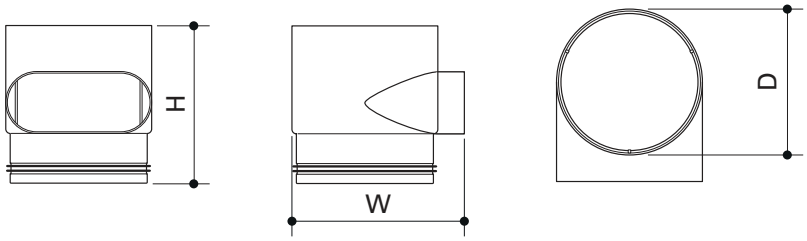
profi-air Ovalkanal



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 iso pipe

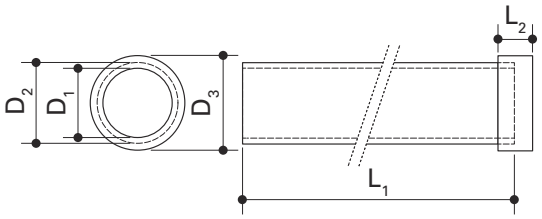


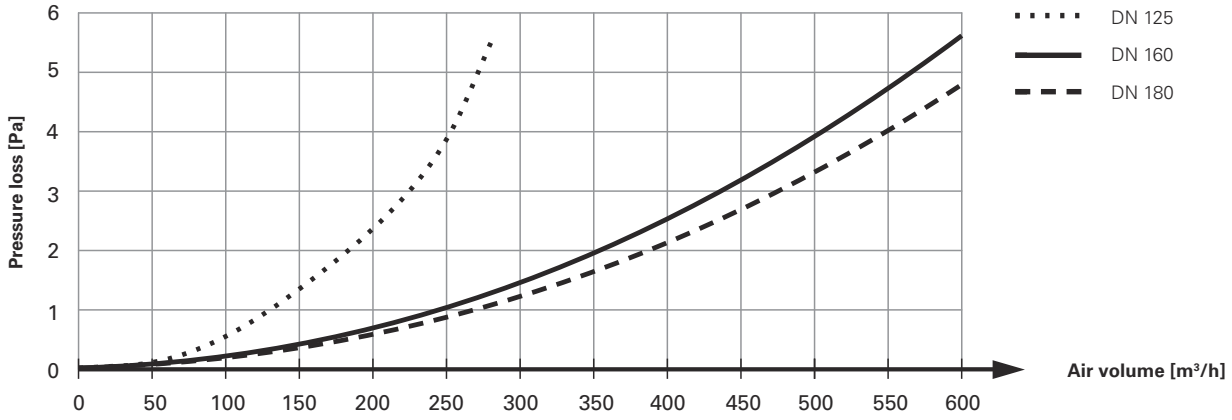
profi-air iso pipe

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

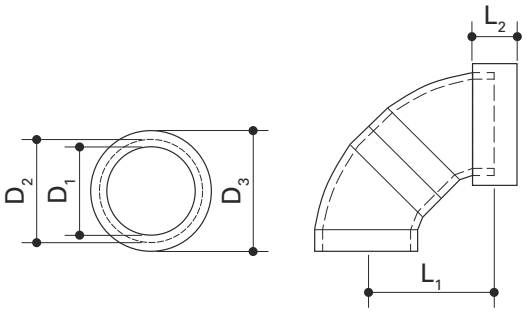


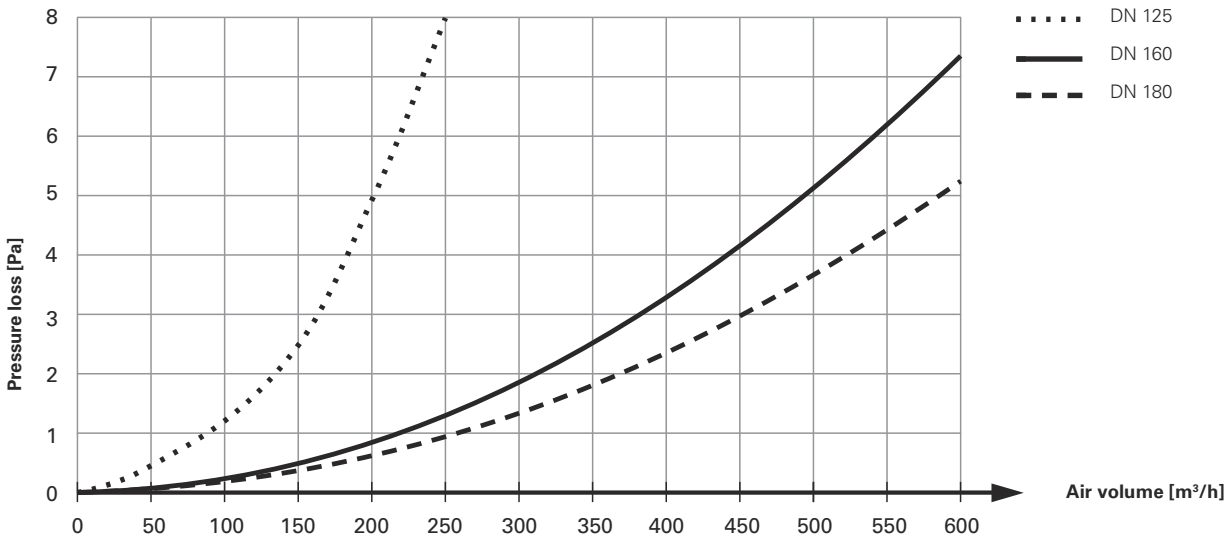
profi-air iso 90° bend

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

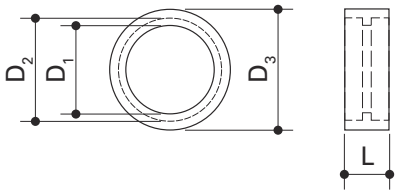


profi-air iso coupling

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



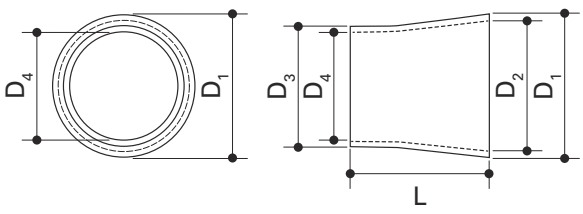


profi-air iso reducer

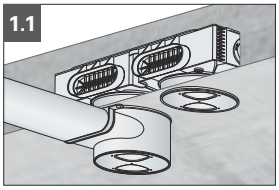
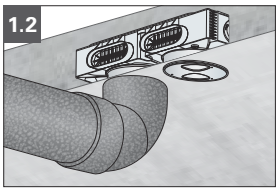
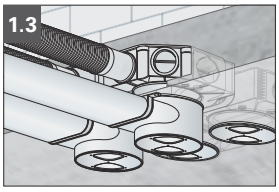
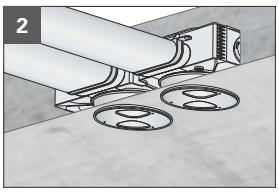
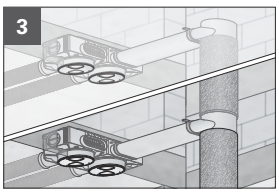
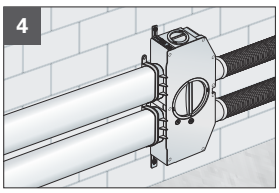
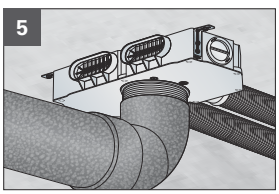
Completely insulated and vapour-tight EPP reducer featuring thermal conductivity group 037 to connect profi-air iso pipes and fittings. profi-air iso reducers are suitable for fresh, exhaust, supply and extract air.

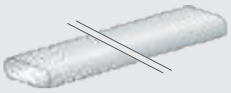
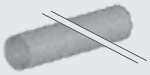
- Permissible operating temperature: -25 to 80 °C

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	160	190	200	0.11	2



profi-air flat manifold – installation overview

		profi-air flat manifold 6-fold  **78316007**	profi-air concrete formwork set DN 160  **78316073**	profi-air tee DN 160 163 x 68 mm  **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 plug DN 160	profi-air inspection plug DN 160	profi-air connection nipple DN 160	profi-air Ovalkanal 163 x 68 mm product range	profi-air iso pipe product range
				
78316072	**78316071**	**78316820**	**783164xx**	**783161xx**
–	–	–	✓	–
–	–	✓	–	✓
–	–	–	✓	–
–	–	–	✓	–
–	✓	–	✓	–
–	–	–	✓	–
✓	–	✓	–	✓

profi-air® pipe systems

profi-air manifold



profi-air flat manifold 6-fold

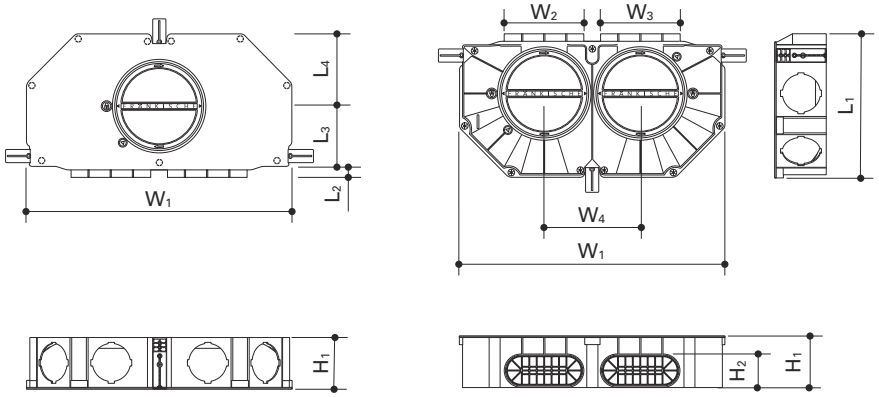
PS/ABS distribution box for supply or extract air for installation in in-situ cladding concrete ceilings, filigree ceilings, screed, on walls or ceilings. Six variable connection options for profi-air classic NW 63, NW 75, NW 90. The connection of two flat manifolds 6-fold with two Ovalkanal sealing 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

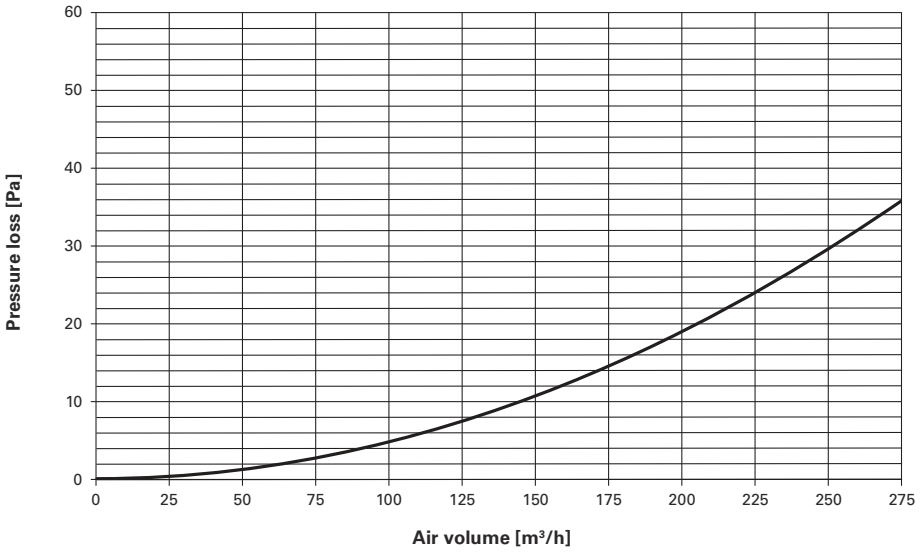


profi-air® pipe systems

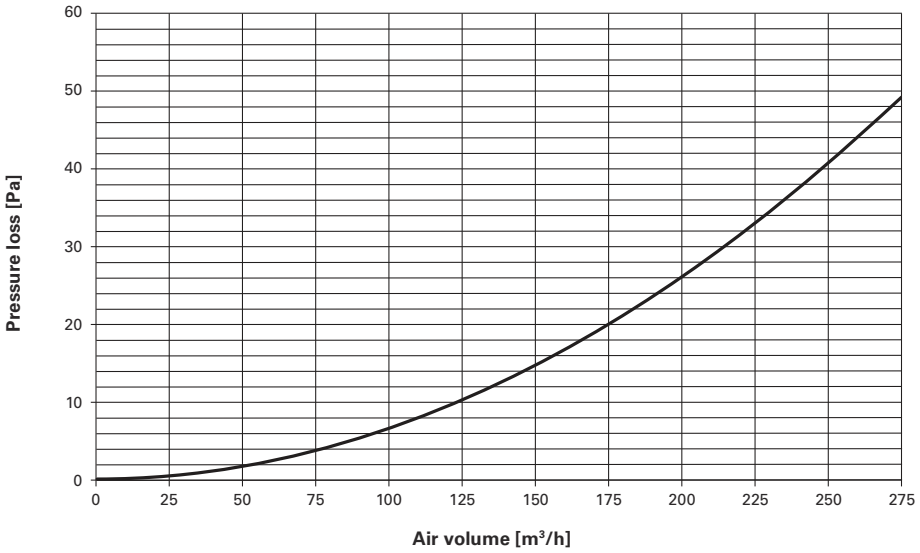
profi-air manifold

profi-air flat manifold 6-fold

Passage distribution



90° distribution



profi-air® pipe systems

profi-air manifold



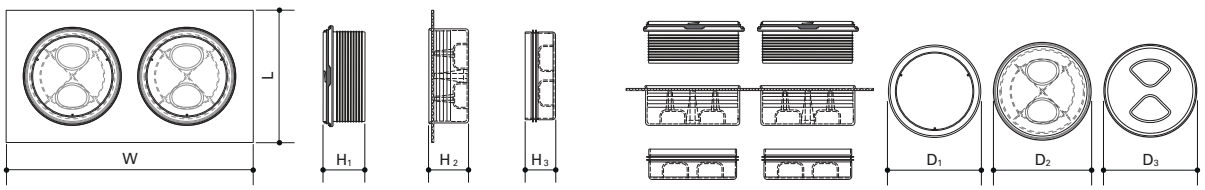
profi-air concrete formwork set DN 160

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

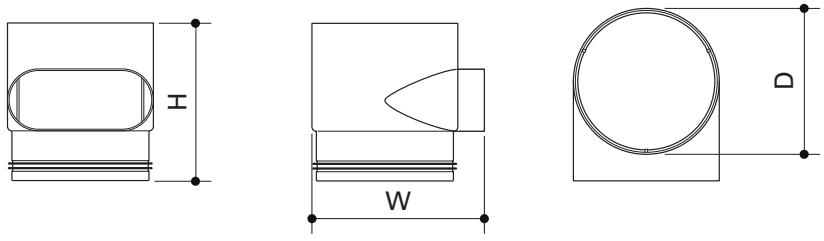




profi-air tee

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

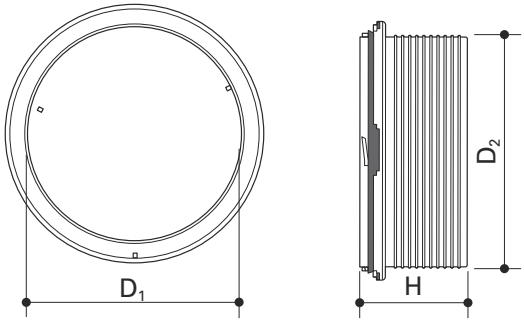
profi-air manifold



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

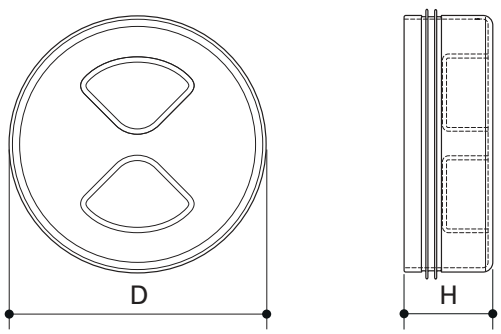




profi-air inspection plug DN 160

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

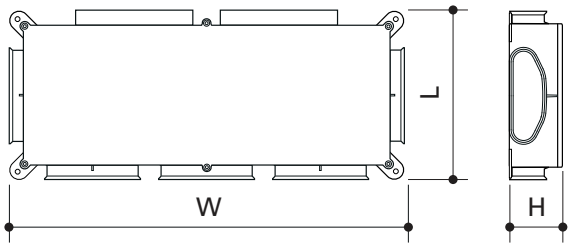
PS manifold for supply and extract air distribution to the profi-air outlets, including four fastening lugs. Inspection opening for inspection and cleaning.

- 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

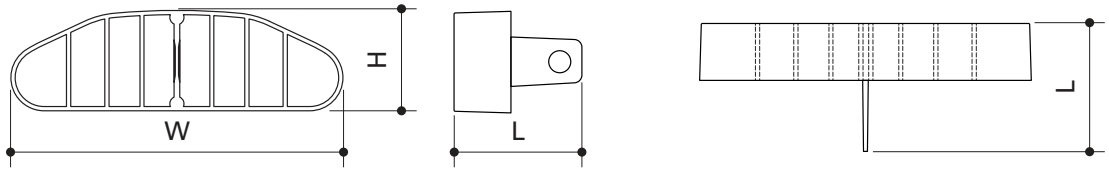
profi-air manifold

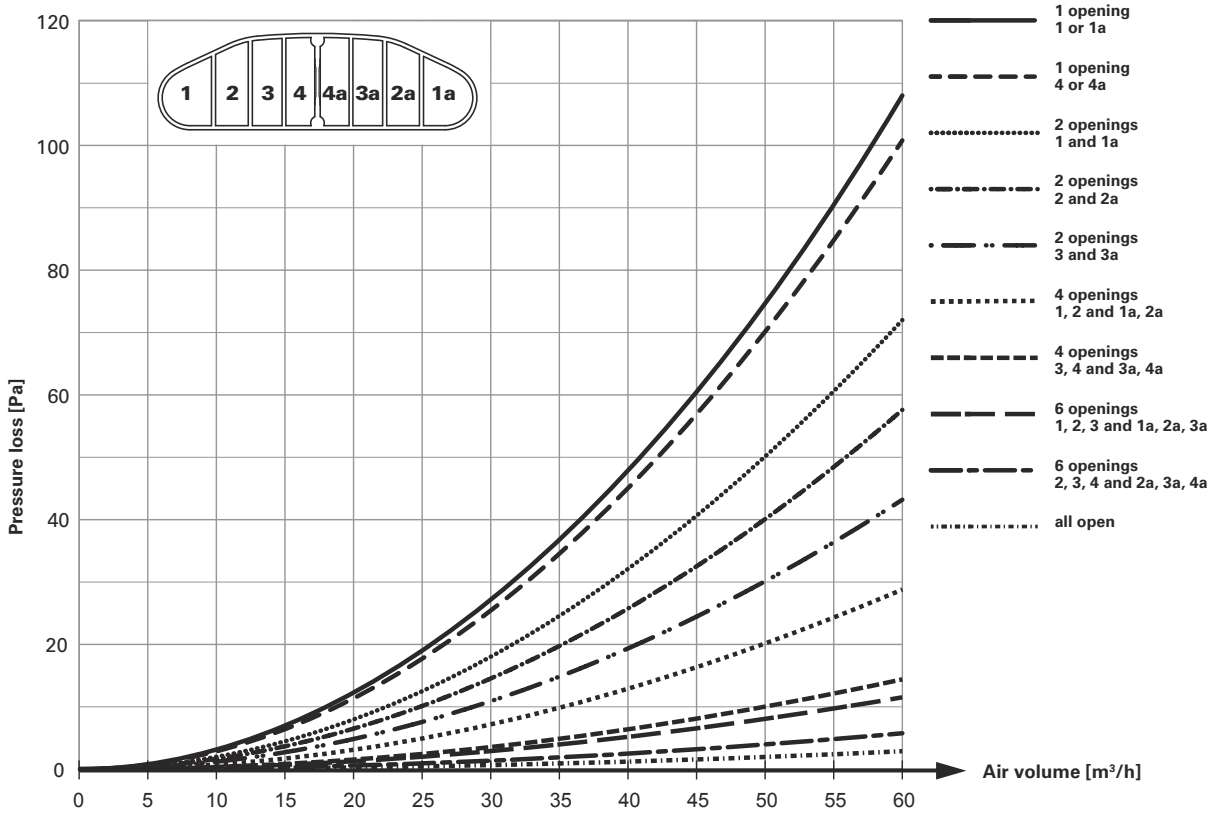


profi-air tunnel airflow regulating element

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.

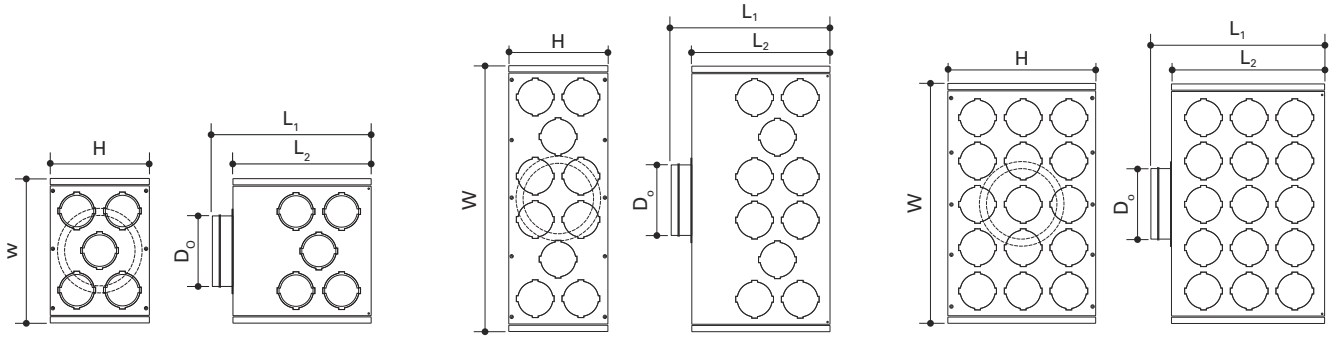
Permissible airflow rates when connected to:

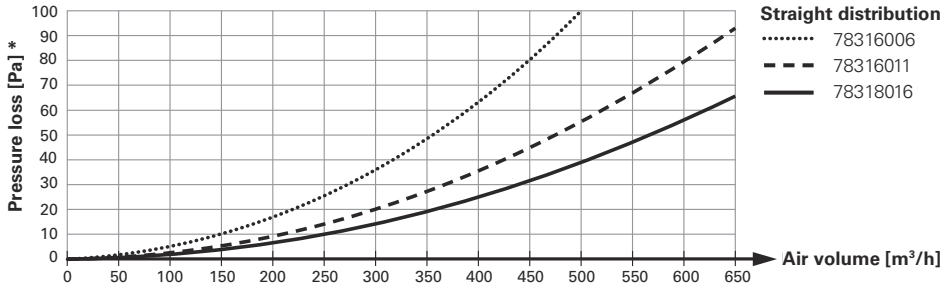
- 78316006 = max. 225 m³/h
- 78316011 = max. 360 m³/h
- 78316016 = max. 450 m³/h

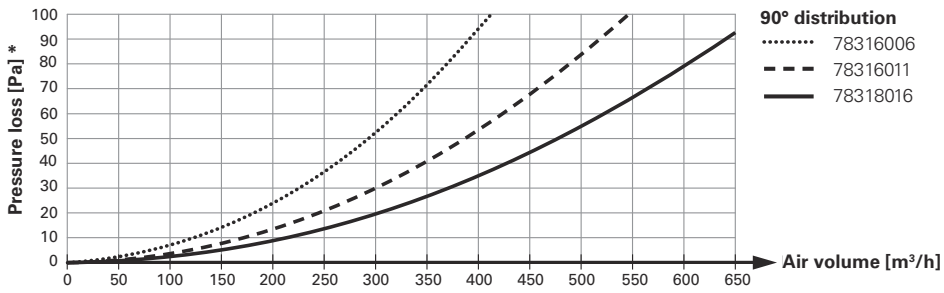
Included connection plugs:

- 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 und 78390321

profi-air® pipe systems

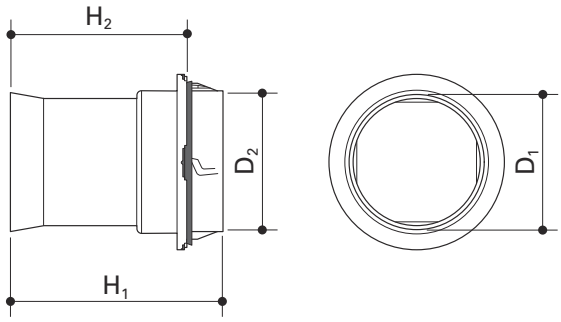
profi-air manifold



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

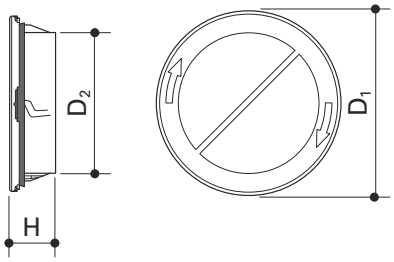
profi-air manifold



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

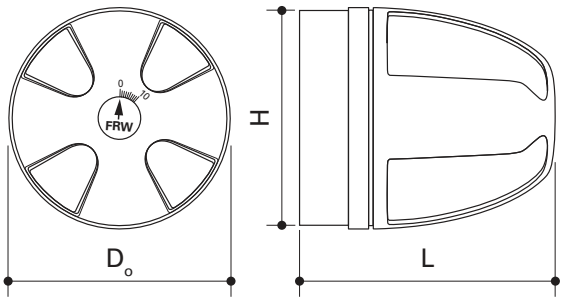




profi-air regulator

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

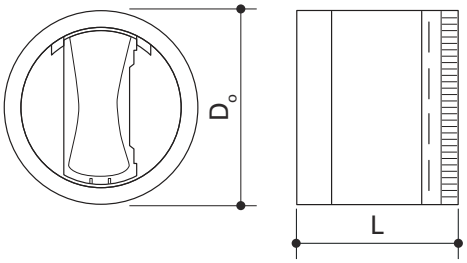


profi-air constant volume flow controller

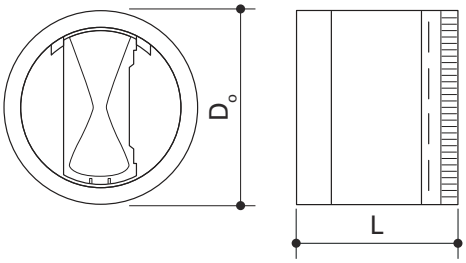
Self-regulating constant volume flow controller for automatic, maintenance-free airflow regulation independent of the position, no auxiliary energy needed, with wear-free regulating element in a plastic housing in connection with the profi-air classic flat manifold 6-fold and the profi-air classic plus manifold. For direct installation in the profi-air classic connection coupling.
Tolerance value: +/- 5 m³/h.

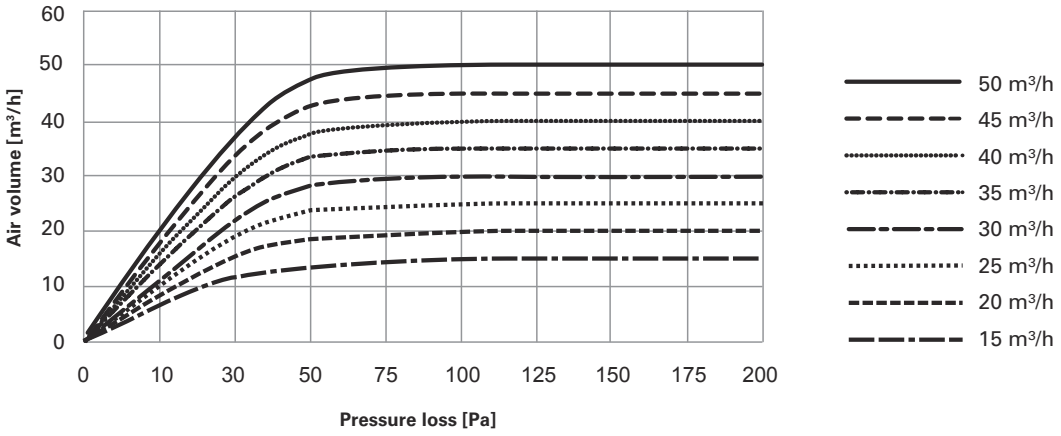
Cat. no.	Description	D_o [mm]	L [mm]	Weight [kg]	PU [pcs]
78300015	❶ Constant volume flow 15 m³/h	80	54	0.15	1
78300002	❷ Constant volume flow 20-50 m³/h adjustable	80	75	0.15	1

78300015



78300002





profi-air® pipe systems

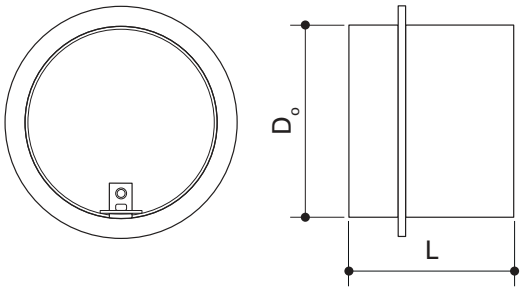
profi-air manifold

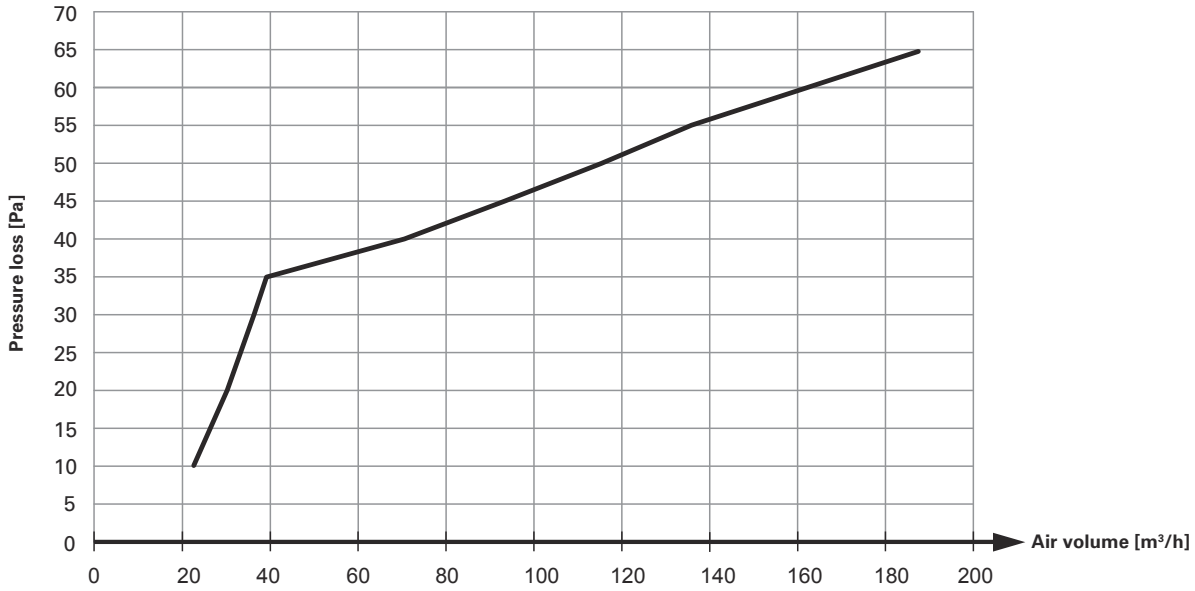


profi-air constant volume flow controller overflow element

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 predefined 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





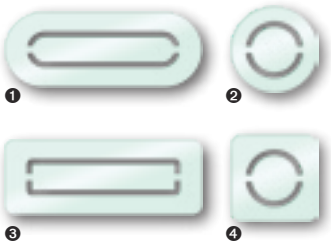


starline® design grills

- Design by sieger Design
- To match any interior style
- Innovative magnetic fixing

starline® design grills

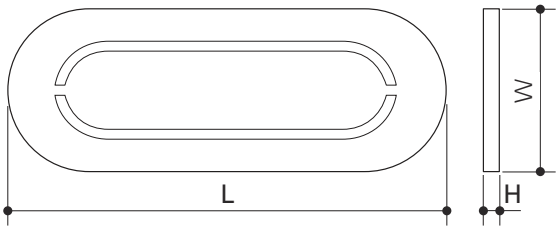
Mounting frame
A mounting frame is required for installing the starline design grills.

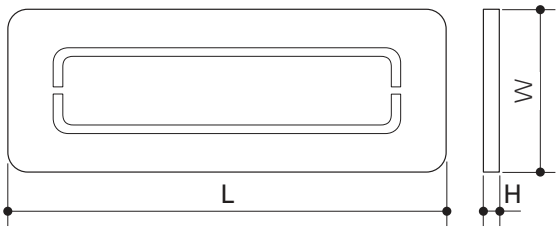


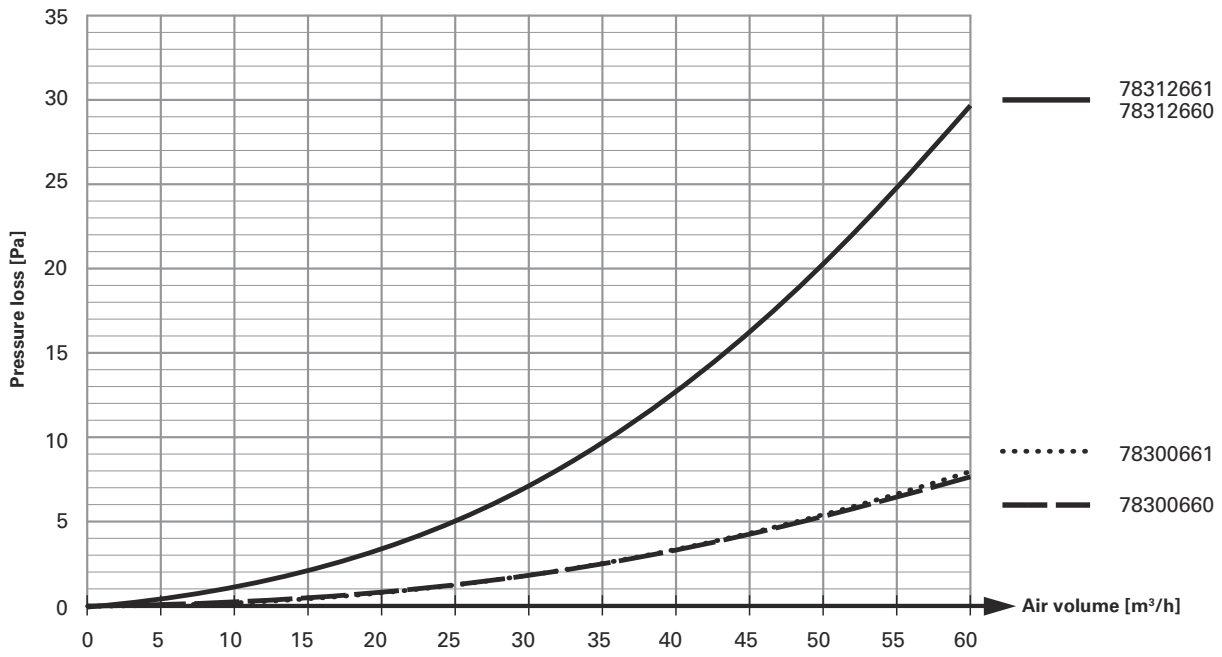
starline design grill SHAPE

Glass design grill SHAPE for supply air or extract air, including magnetic fixing. For use in combination with the profi-air mounting frame and the profi-air mounting frame COMPACT. The design grills are suitable for use in profi-air tunnel 90° air outlets and all profi-air outlets 125 mm diameter. Suitable for wall and ceiling installations.
SHAPE COMPACT / SHAPE CIRCLE can be used as extract air grills only.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300661	❶ SHAPE STYLE glass white pure	350	130	6	0.53	1
78312661	❷ SHAPE CIRCLE glass white pure	Ø160	Ø160	6	0.30	1
78300660	❸ SHAPE BUSINESS glass white pure	350	130	6	0.53	1
78312660	❹ SHAPE COMPACT glass white pure	160	160	6	0.30	1

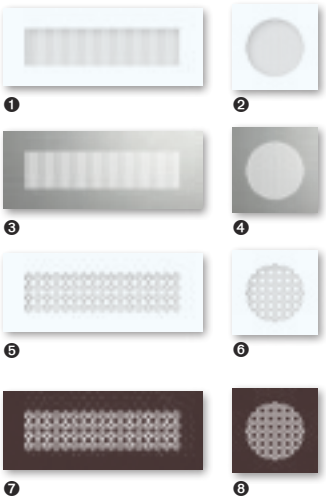






starline® design grills

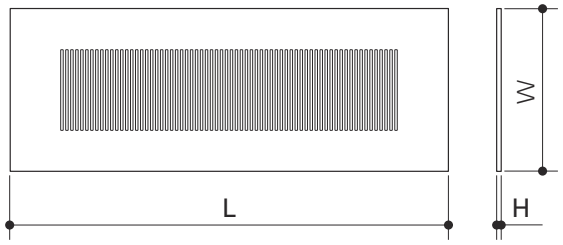
Mounting frame
A mounting frame is required for installing the starline design grills.

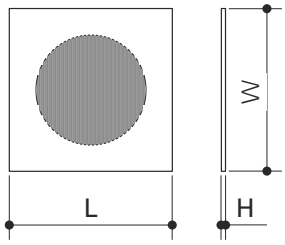


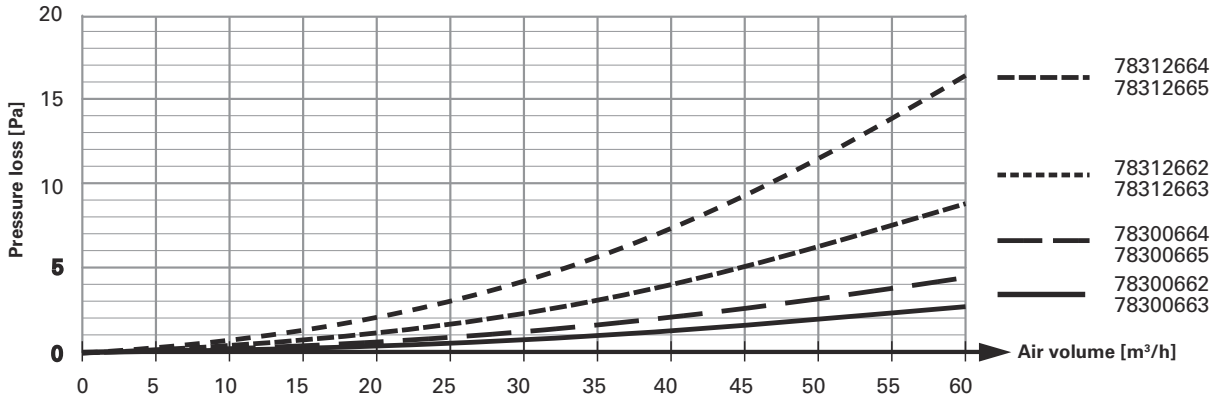
starline design grills

Design grills LINE / PYRAMID for supply air or extract air, including magnetic fixing. For use in combination with the profi-air mounting frame and the profi-air mounting frame COMPACT. The design grills are suitable for use in profi-air tunnel 90° air outlets and all profi-air outlets 125 mm diameter. Suitable for wall and ceiling installations.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300662	❶ LINE white	350	130	1.5	0.47	1
78312662	❷ LINE COMPACT white	160	160	1.5	0.26	1
78300663	❸ LINE ground stainless steel	350	130	1.5	0.47	1
78312663	❹ LINE COMPACT ground stainless steel	160	160	1.5	0.26	1
78300664	❺ PYRAMID white	350	130	1.5	0.47	1
78312664	❻ PYRAMID COMPACT white	160	160	1.5	0.26	1
78300665	❼ PYRAMID dark rust bronze	350	130	1.5	0.47	1
78312665	❽ PYRAMID COMPACT dark rust bronze	160	160	1.5	0.26	1

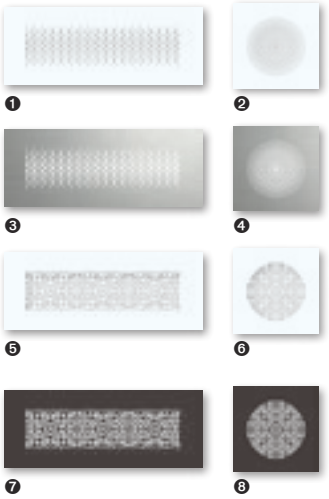






starline® design grills

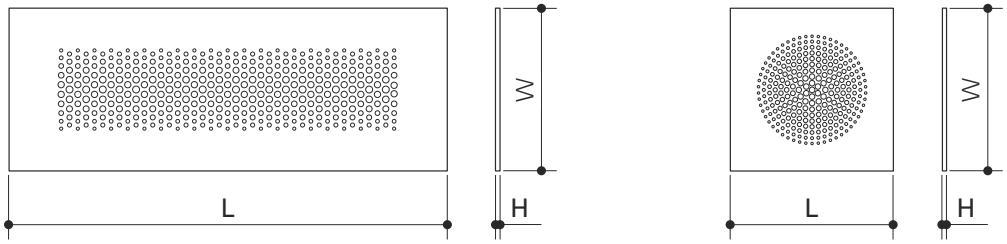
Mounting frame
A mounting frame is required for installing the starline design grills.

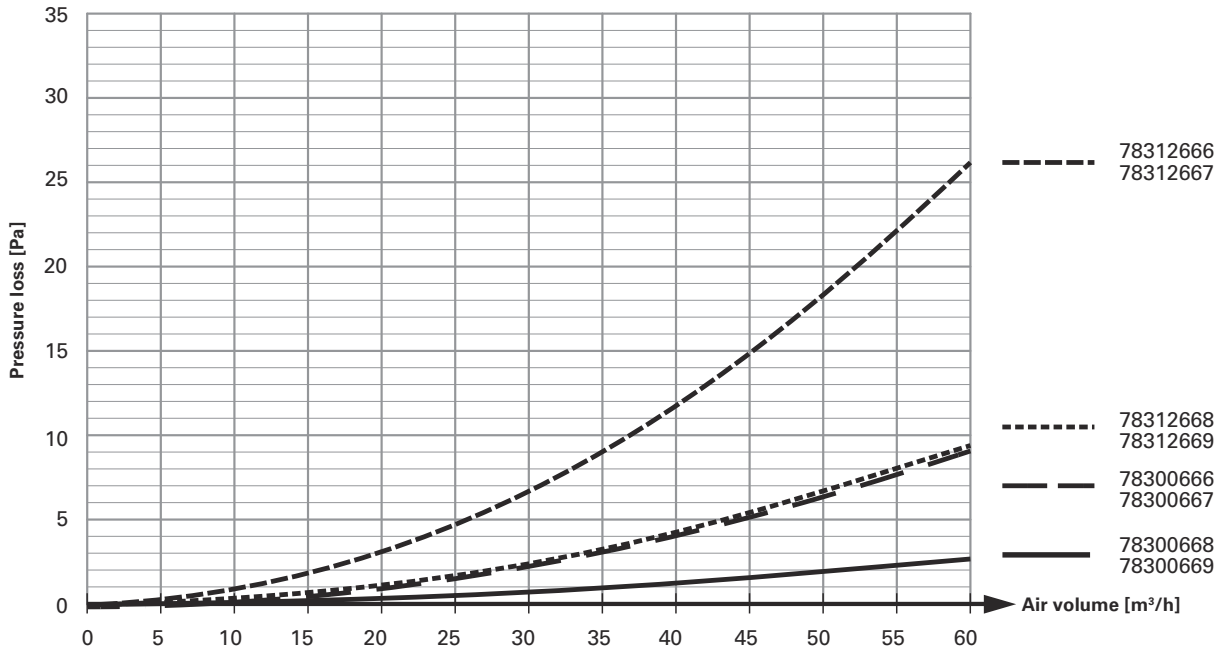


starline design grills

Design grills AVANTGARDE / FLORA for supply air or extract air, including magnetic fixing. For use in combination with the profi-air mounting frame and the profi-air mounting frame COMPACT. The design grills are suitable for use in profi-air tunnel 90° air outlets and all profi-air outlets 125 mm diameter. Suitable for wall and ceiling installations.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300666	❶ AVANTGARDE white	350	130	1.5	0.47	1
78312666	❷ AVANTGARDE COMPACT white	160	160	1.5	0.26	1
78300667	❸ AVANTGARDE ground stainless steel	350	130	1.5	0.47	1
78312667	❹ AVANTGARDE COMPACT ground stainless steel	160	160	1.5	0.26	1
78300668	❺ FLORA white	350	130	1.5	0.47	1
78312668	❻ FLORA COMPACT white	160	160	1.5	0.26	1
78300669	❼ FLORA anthracite	350	130	1.5	0.47	1
78312669	❽ FLORA COMPACT anthracite	160	160	1.5	0.26	1







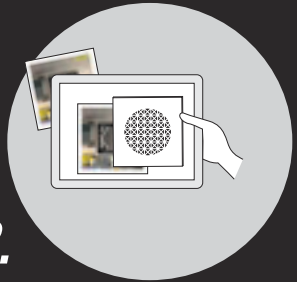
starline® Augmented reality app

Try our design grills in your own home



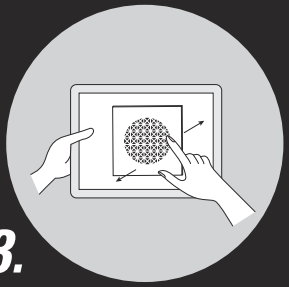
1.

Download the free starline augmented reality app to your smartphone or tablet.



2.

Position the AR marker at the desired surface and scan it with your starline app.



3.

Have fun testing the combinations!

More information at www.designgrills.com/app

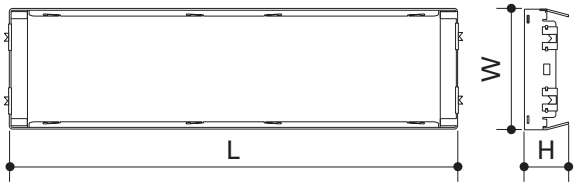
starline® design grills

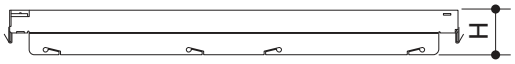


starline mounting frame, black

Rectangular steel plate mounting frame with cataphoretic dip coating to protect against corrosion, including claws, to be used in profi-air tunnel 90° air outlets for cover grills. Can be used for both supply air and extract air. Suitable for wall and ceiling installations. The starline mounting frame provides the basis for the starline design grills.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300690	277 x 70 x 30 mm	298	80	30	0.17	1



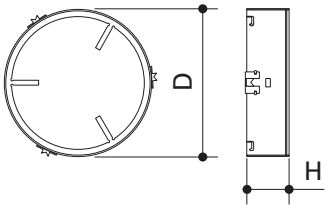




starline mounting frame COMPACT, black

Round steel plate mounting frame with cataphoretic dip coating to protect against corrosion, including claws, to be used in profi-air air outlets DN 125 and all standard plastic outlets DN 125. Can be used for both supply air and extract air. Suitable for wall and ceiling installation.
The starline mounting frame COMPACT provides the basis for the starline design grills COMPACT and CIRCLE.

Cat. no.	Description	D [mm]	H [mm]	Weight [kg]	PU [pcs]
78312690	Ø 122 mm	122	36	0.12	1



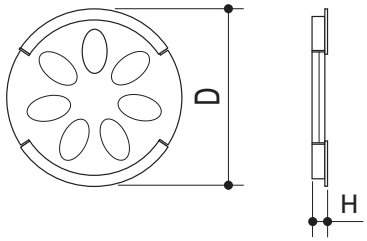
starline® design grills



starline regulator COMPACT, black

Plastic airflow regulating element DN 125 for the manual airflow regulation for use in starline mounting frames COMPACT. 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

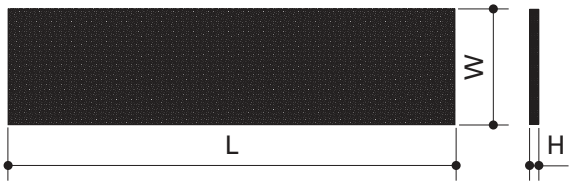




starline filter, black

Rectangular extract air filter made of PE filter foam plastic compatible with the starline mounting frame, black for design grills.

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

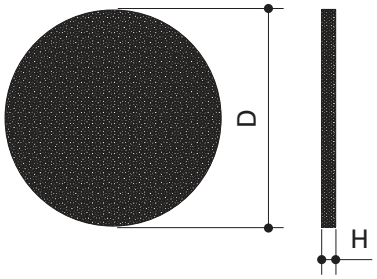




starline filter COMPACT, black

Rectangular extract air filter made of PE filter foam plastic compatible with the starline mounting frame, black for design grills COMPACT.

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



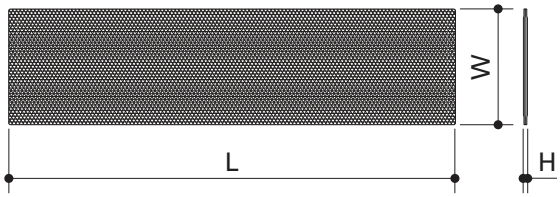
starline® design grills



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 for design grills and starline mounting frame, black for design grills.

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

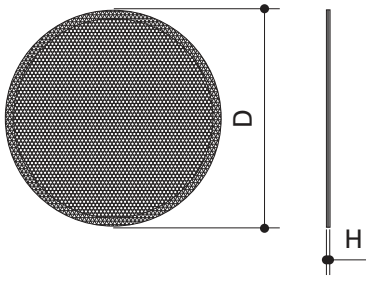


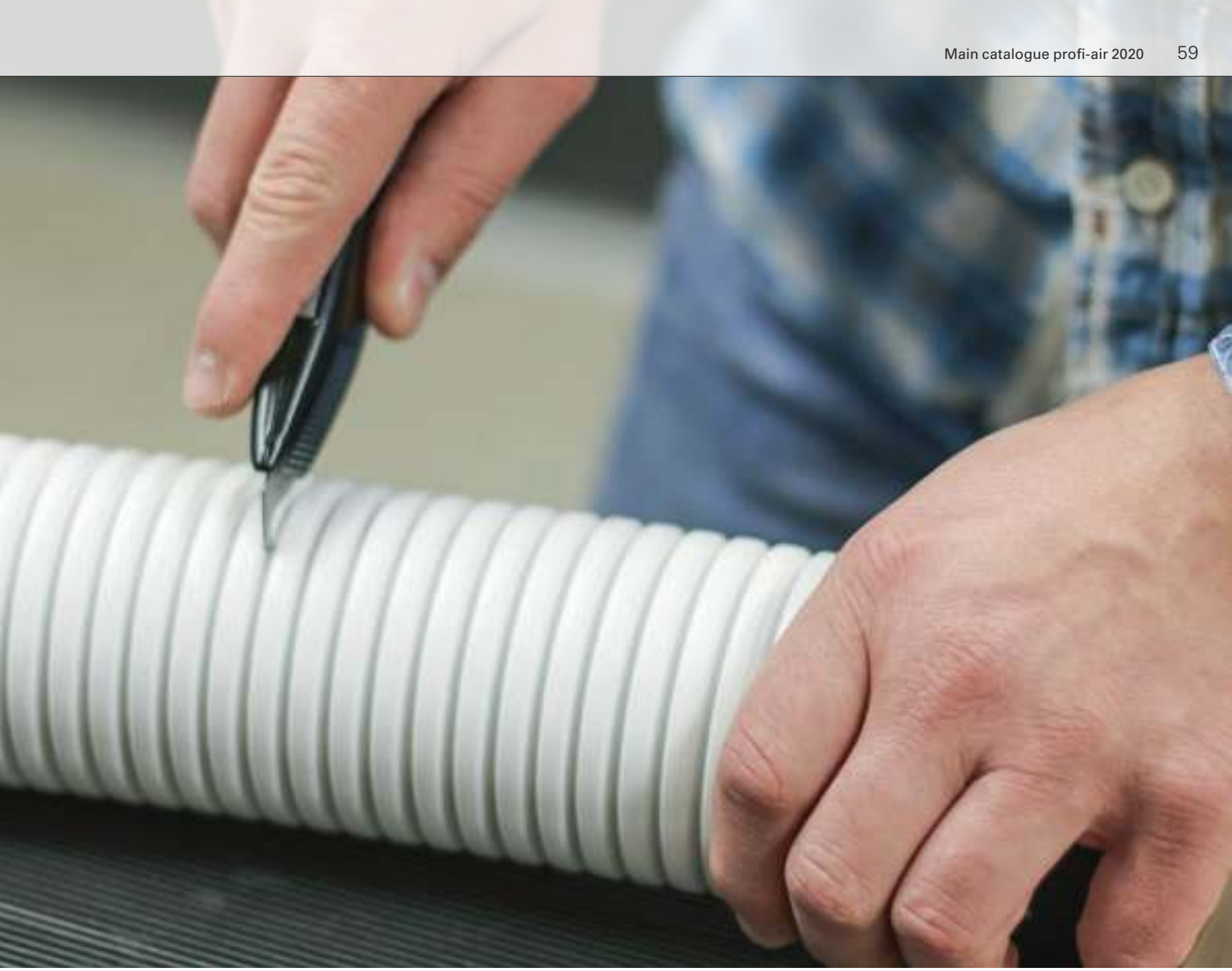


starline grease filter COMPACT, silver

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, black for design grills COMPACT and starline mounting frame, black for design grills COMPACT.

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

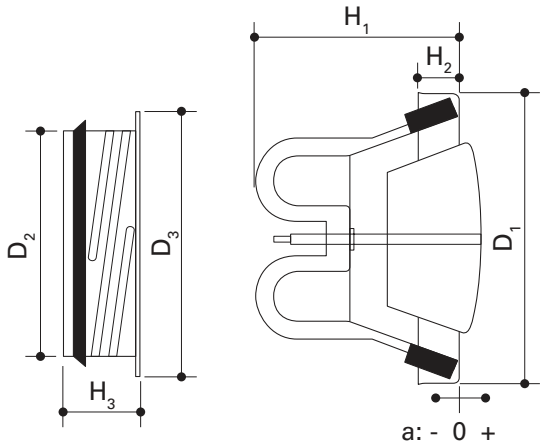
profi-air valves and grills for indoor use

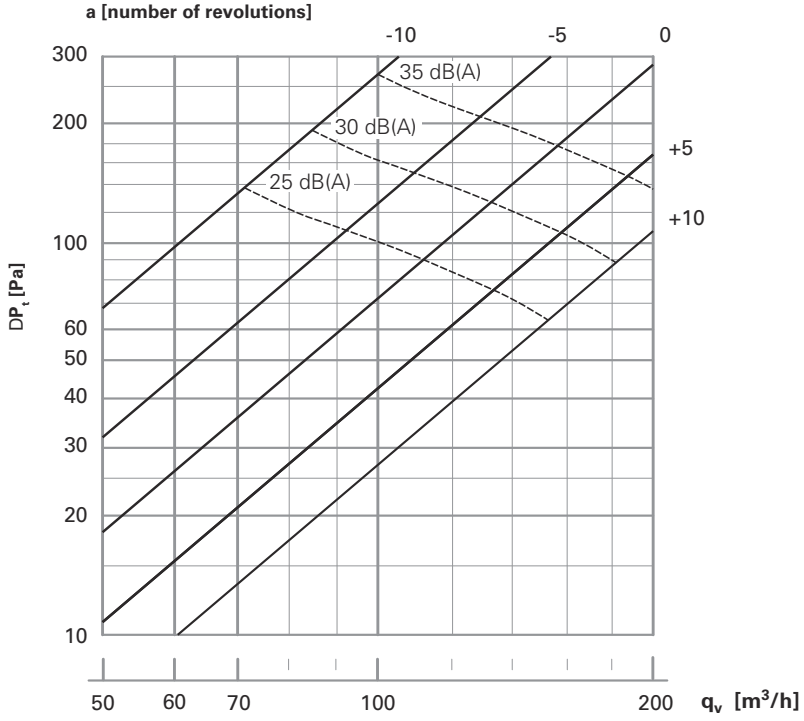


profi-air extract air disc valve, white

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

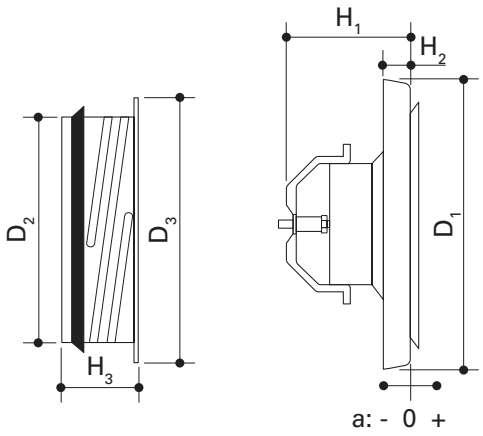
profi-air valves and grills for indoor use

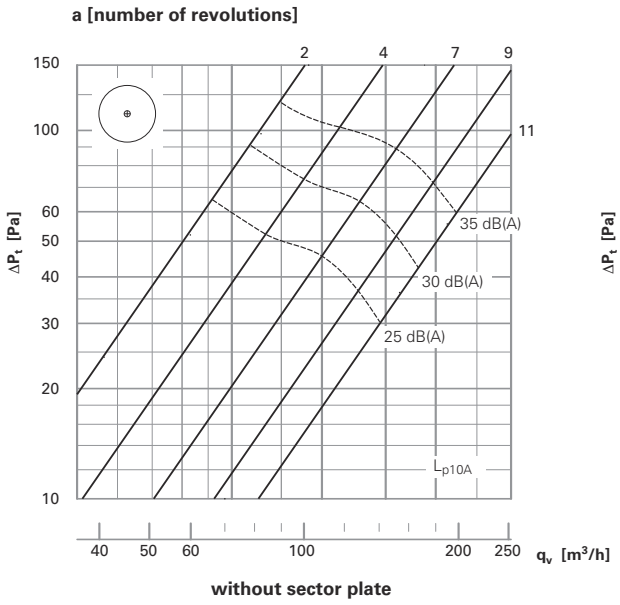


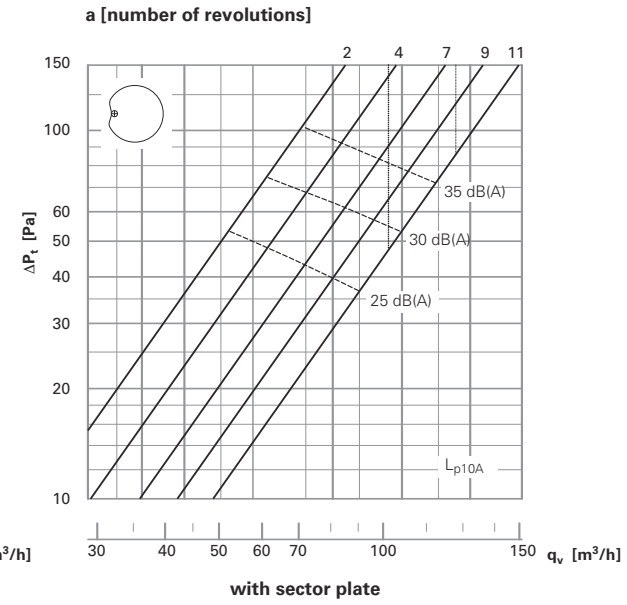
profi-air supply air disc valve, white

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

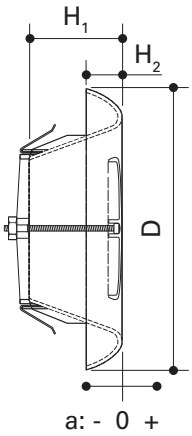
profi-air valves and grills for indoor use

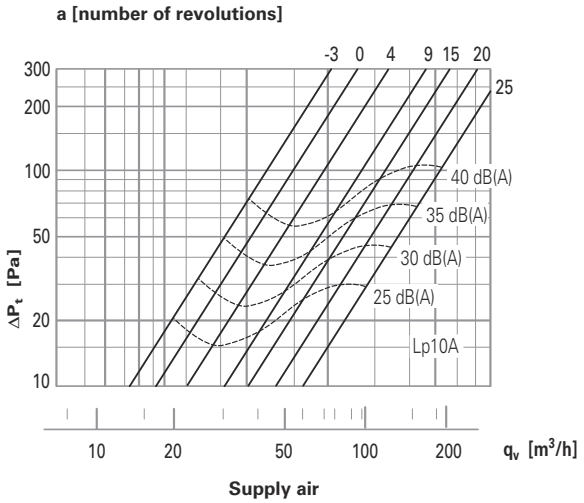


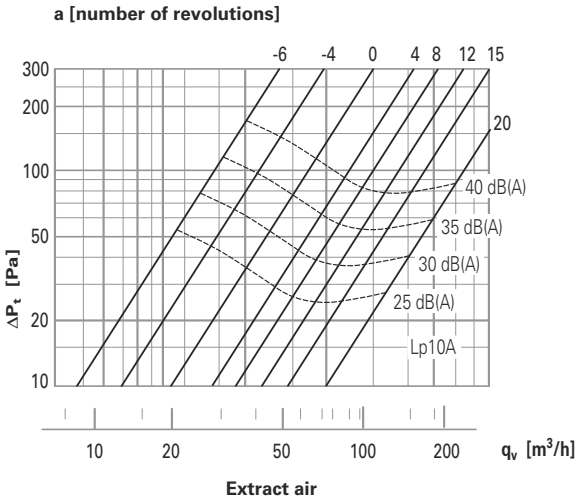
profi-air supply air / extract air disc valve, white

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







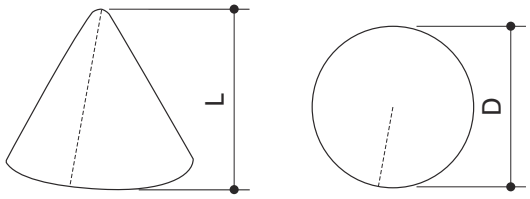
profi-air® accessories

profi-air valves and grills for indoor use

profi-air filter

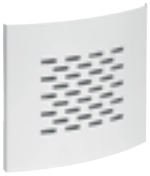
Conical bag filter compatible with the profi-air extract air disc valve (78312620) and profi-air supply / extract air disc valve (78312630).

DN 125	**Description**	**D [mm]**	**L [mm]**	**Weight [kg]**	**PU [pcs]**
78312650	DN 125	125	150	0.006	5



profi-air® accessories

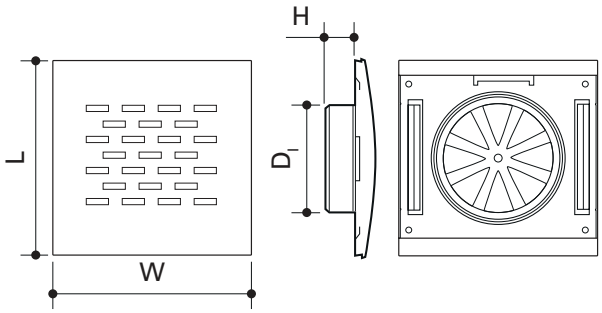
profi-air valves and grills for indoor use

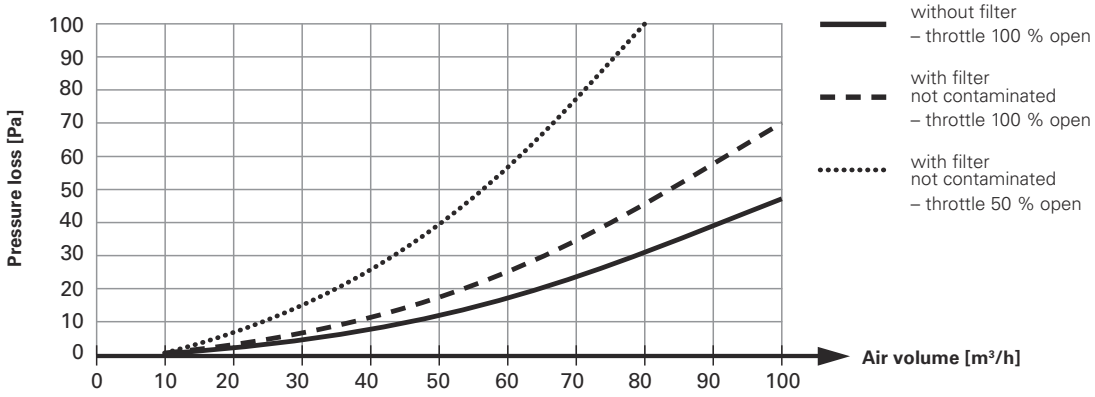


profi-air wall ventilation grill, white

White steel plate wall grill for kitchen extract air to be installed in any profi-air outlet DN 125. Washable expanded metal filter and mounting parts included. Suitable for wall installations.

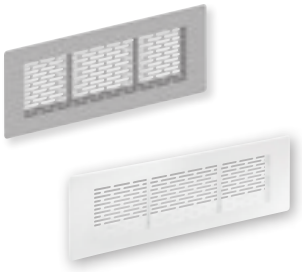
Cat. no.	Description	D_i [mm]	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78312631	DN 125	123	210	207	30	0.61	1





profi-air® accessories

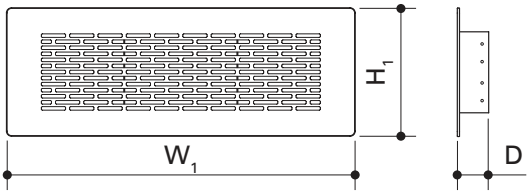
profi-air valves and grills for indoor use

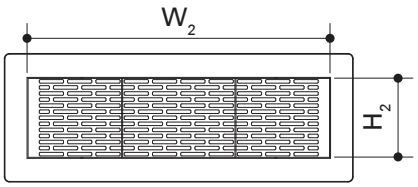


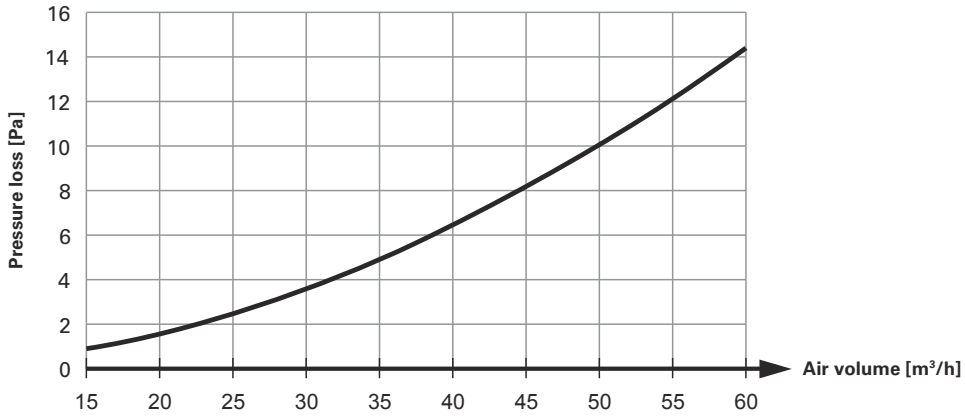
profi-air ventilation grill

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







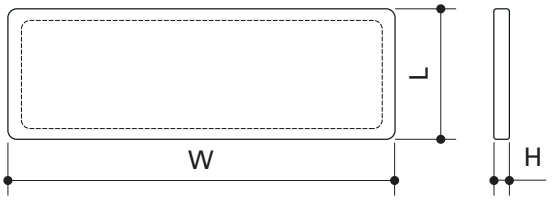
profi-air® accessories

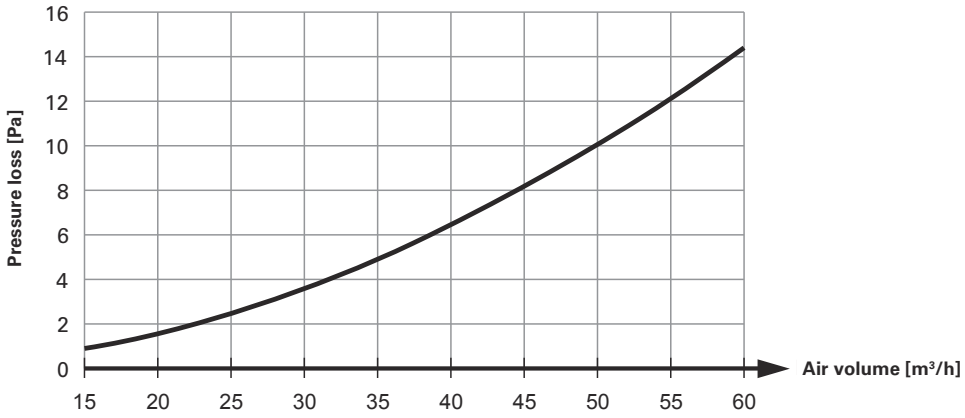
profi-air valves and grills for indoor use

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

NEW

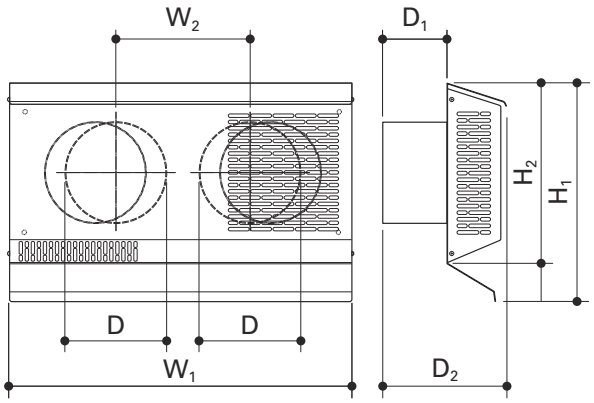


profi-air horizontal combination grill

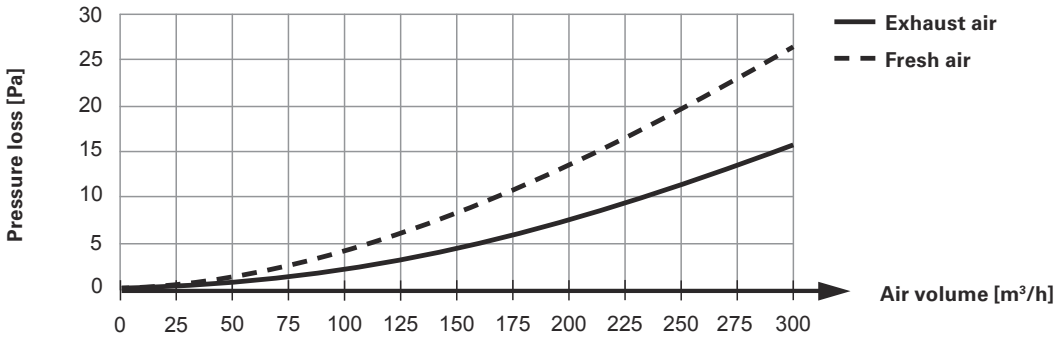
Stainless steel combination grill (with colourless coating – "seawater-resistant") with adjustable pipe connection. Can be used for fresh air and exhaust air.

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

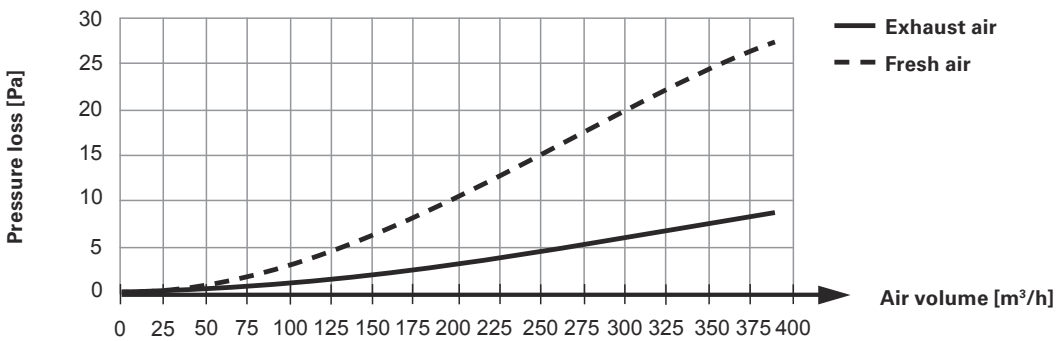
* available March 2020



DN125



DN160



profi-air® accessories

profi-air vertical combination grill

NEW

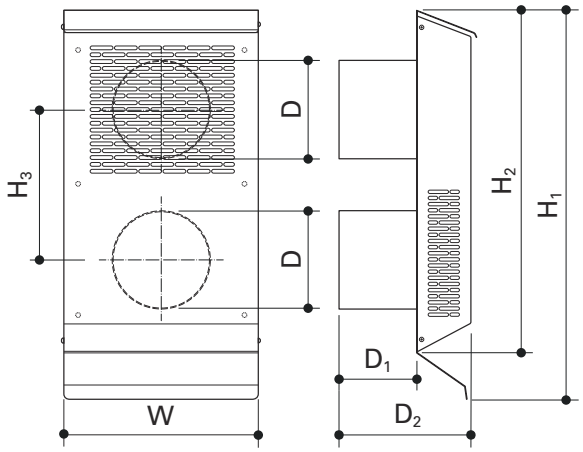


profi-air vertical combination grill

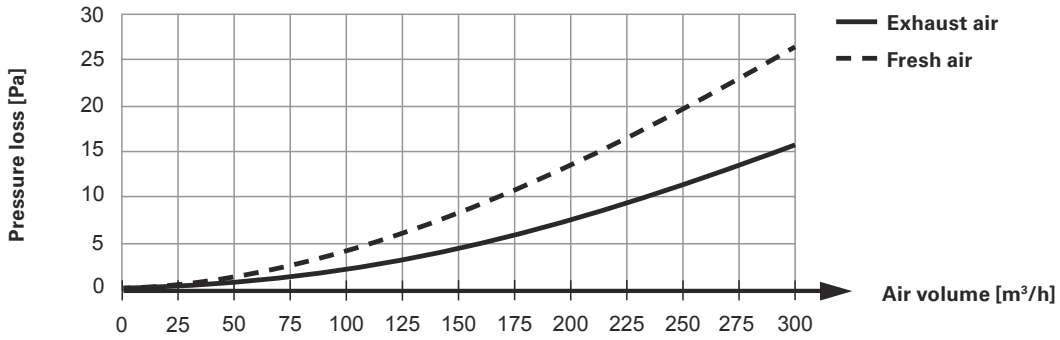
Stainless steel combination grill (with colourless coating – "seawater-resistant") with pipe connection. Can be used for fresh air and exhaust air.

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]
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

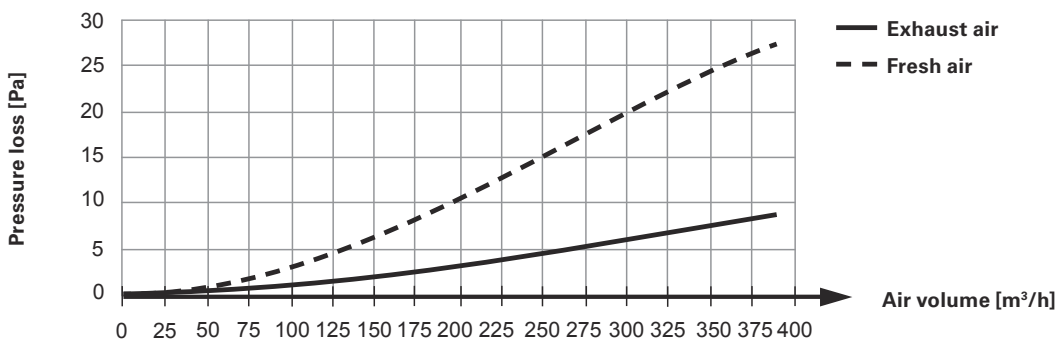
* available March 2020



DN125



DN160



profi-air® accessories

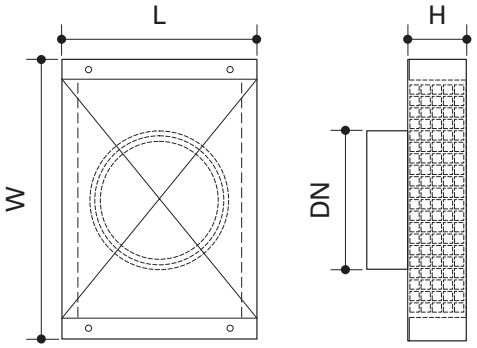
profi-air roof vent cap and grills for outdoor use

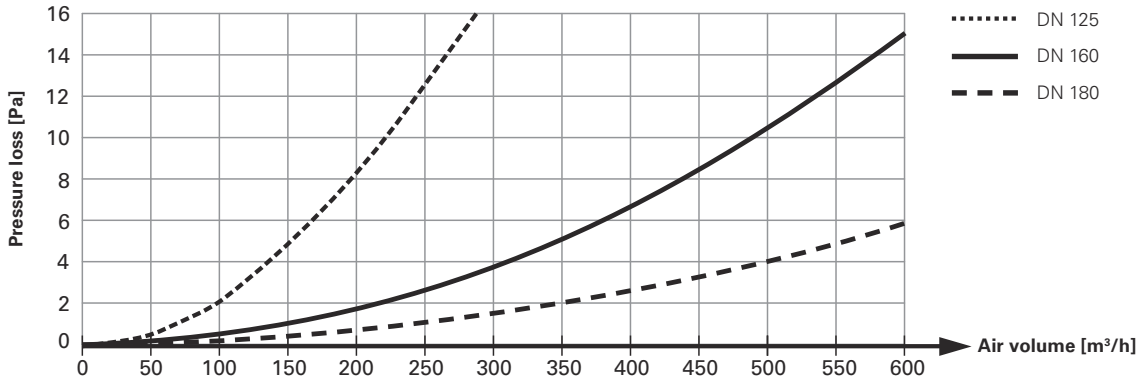


profi-air external wall grill

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.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	DN [mm]	Weight [kg]	PU [pcs]
78312170	DN 125	166	265	65	125	0.95	1
78316170	DN 160	200	288	60	160	0.28	1
78318170	DN 180	310	410	60	180	0.30	1





profi-air® accessories

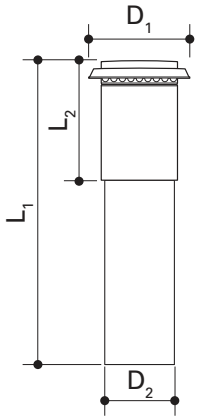
profi-air roof vent cap and grills for outdoor use

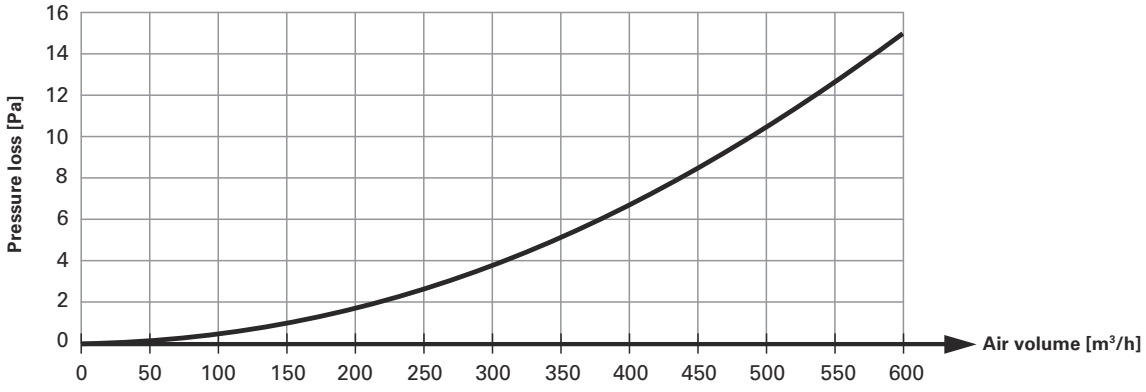


profi-air roof vent cap, black

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

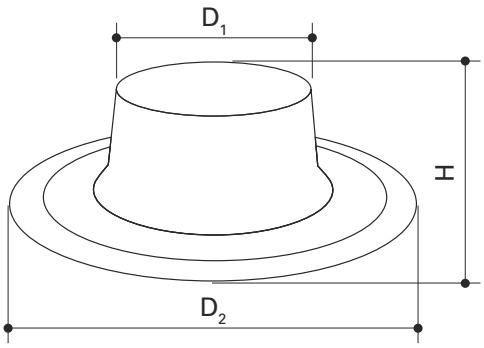
profi-air roof vent cap and grills for outdoor use



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

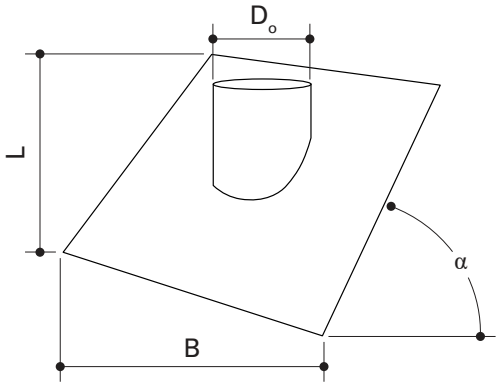
profi-air roof vent cap and grills for outdoor use



profi-air lead tile

Galvanised steel plate / lead roof outlet for professional installations of the profi-air roof vent cap. Suitable for pitched roofs (lead tile slope can be selected).

Cat. no.	Description	D_o [mm]	L [mm]	W [mm]	α [°]	Weight [kg]	PU [pcs]
78316181	20-30° - DN 160-180	203	640	600	20-30	4.76	1
78316182	30-40° - DN 160-180	203	640	600	30-40	4.94	1
78316183	40-50° - DN 160-180	203	640	600	40-50	5.40	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® ventilation units

- profi-air 180 flat
- profi-air 250 flex
- profi-air 400 touch

Legend

✓ = included
● = available
○ = optional
✕ = not possible

Overview profi-air ventilation units		profi-air 180 flat	profi-air 250 flex	profi-air 400 touch
				
		78305718	**78304725**	**78302740**
Place of installation	Floor	✕	●	●
	Wall	●	●	●
	Ceiling	●	✕	✕
Application	Air volume	70 – 180 m³/h	70 – 250 m³/h	100 – 400 m³/h
	Max. pressure loss	260 Pa	240 Pa	290 Pa
Dimensions	H x W x D (L)	279 x 600 x 1122	1056 x 540 x 549	825 x 575 x 660
	Connection diameter	4x DN 125	4x DN 160	4x DN 180
	Condensate connection	Ø 19 mm hose	Ø 19 mm hose	5/4 " AG
Labels / certifications / tests	Energy efficiency grade	A / A+*	A / A+*	A
	DIBt	●	pending	●
	EN 13141-7	●	●	●
	EN 308			●
	SAP App. Q	●	●	●
	KlimaHaus Partner	●	pending	●
	PHI	●	●	
Equipment	Mounting	✓	✓	○
	Connecting pieces	○	○	○
	Control	✓	✓	✓
	Manual summer bypass	✓	✓	✓
	Humidity sensor for central demand control	○	○	✕
	Switchable air outlet (right / left)	✓	✓	✕
Software	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



cool, temperate climate
CERTIFIED COMPONENT
Passive House Institute

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. 4 pressure taps allow setting the entire air volume quickly and easily right at the ventilation unit.

Connection options for wireless remote control, central humidity sensor, central VOC sensor, defroster heater, room humidistat, condensate pump and an additional connection box for more functions right at the ventilation unit. The scope of delivery also includes a rail for easy and reliable ceiling and 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.

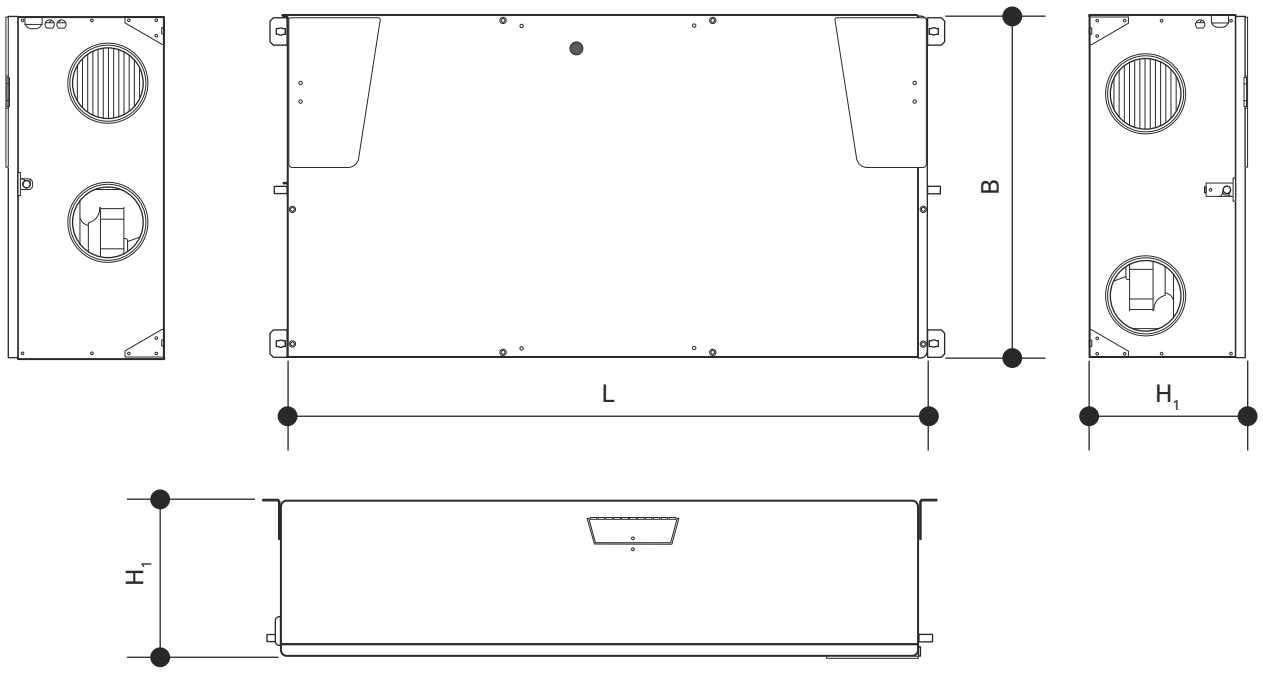
- Energy efficiency grade: A/A+ *
- DIBt approval
- Passive house certificate
- Application: from 70 to 180 m^3/h
- Air channel connections: 2x DN 125 left, 2x DN 125 right
- Condensate connection: 19 mm
- Power supply: 230 V, 50 Hz ready to plug-in
- Installation room: 0 to max. 40 °C
- Sound pressure level in a distance of 1 m:
  Housing: 38 db(A) 140 m^3/h - 100 Pa
- Sound power level:
  Supply air channel: 60 dB(A) 140 m^3/h - 100 Pa
  Extract air channel: 45 dB(A) 140 m^3/h - 100 Pa
- Max. heat recovery efficiency 95 %
- Power input (without / with defroster heater) : max. 127 W / 1196 W
- Electrical efficiency: 0.27 Wh/m^3 with 126 m^3/h
- Supply air filter: ISO Coarse 75 % (G4)
- Extract air filter: ISO Coarse 75 % (G4)

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

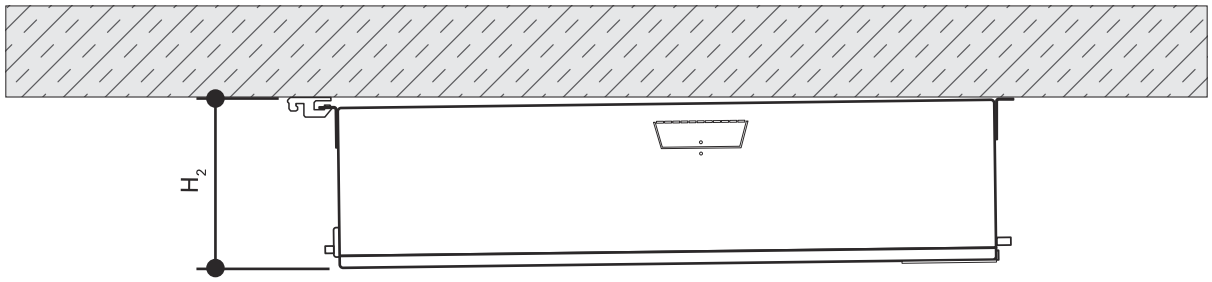
profi-air® ventilation units

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 m³/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

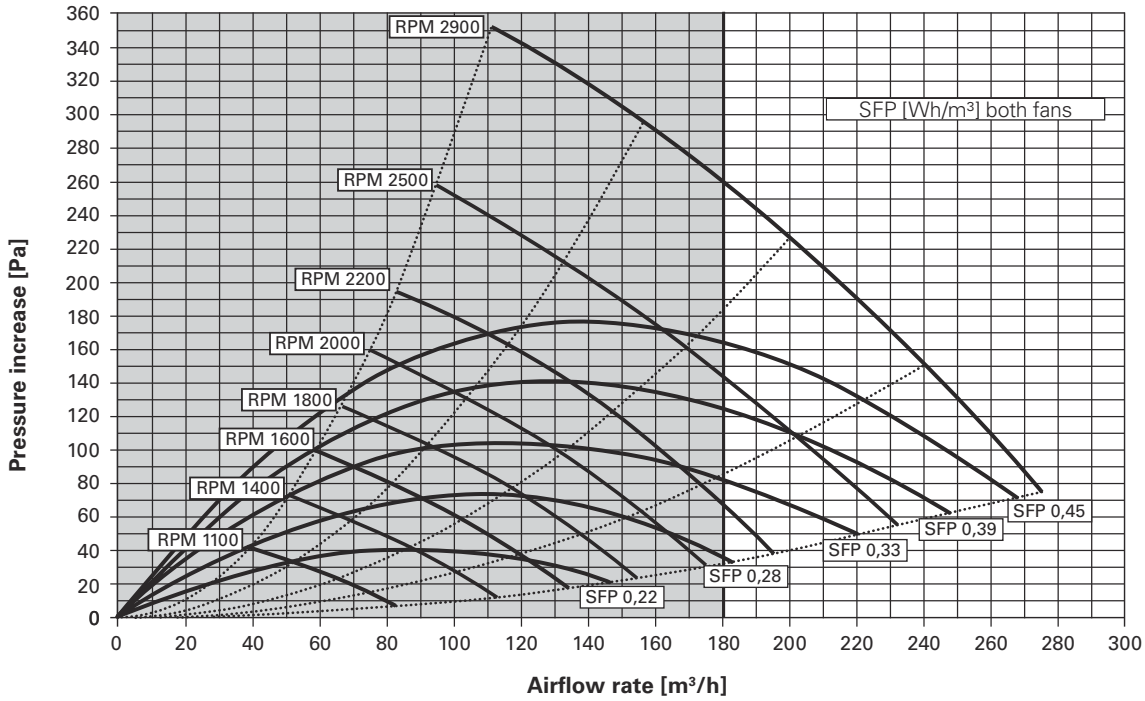
Tests and approvals	
	- DIBt (General building authority approval) - EN 13141-7 - SAP App. Q - KlimaHaus Partner - Passive house certificate

profi-air® ventilation units

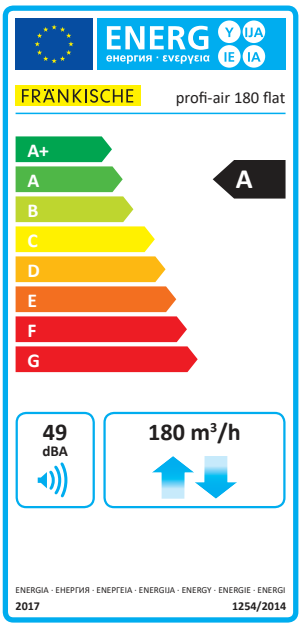
profi-air 180 flat ventilation unit

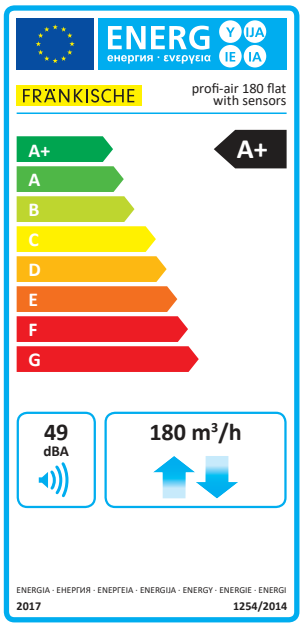
profi-air 180 flat airflow chart

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



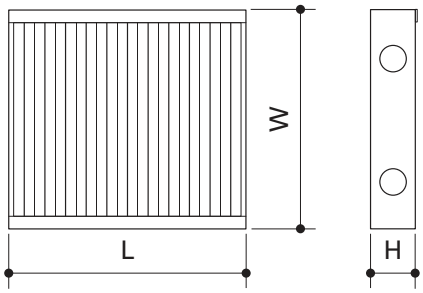
profi-air replacement filter set G4/G4

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





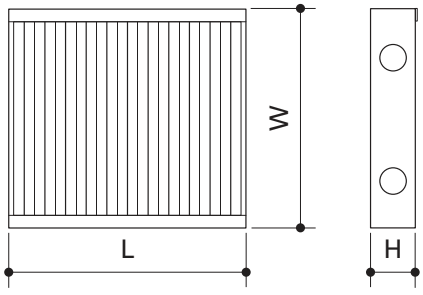
profi-air replacement filter set G4/F7

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

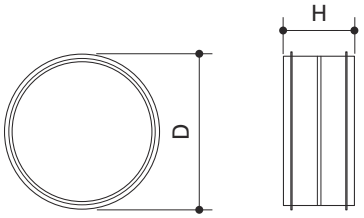
profi-air 180 flat ventilation unit accessories



profi-air connection set

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

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

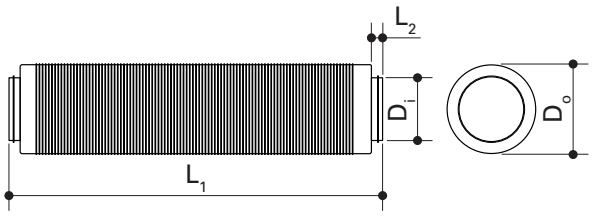




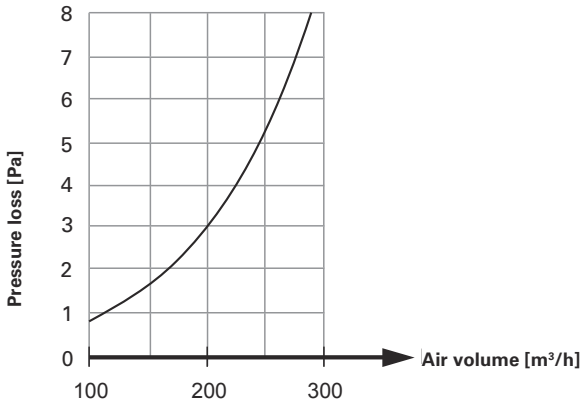
profi-air silencer

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

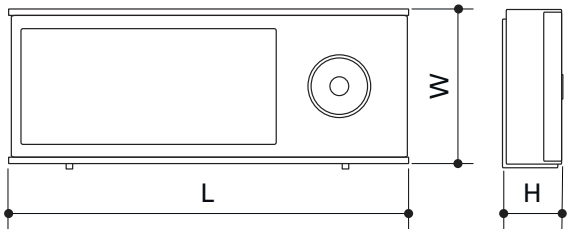
profi-air 180 flat ventilation unit accessories



profi-air wireless remote control

Wireless remote control as optional control unit with LCD display to control the profi-air 180 flat / 250 flex ventilation units.

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





profi-air cockpit pro connection cable

Connection cable to establish a connection between the profi-air 180 flat / 250 flex ventilation unit 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	Connection cable for 180 flat / 250 flex	3000	0.09	1

profi-air® ventilation units

profi-air 180 flat ventilation unit accessories



profi-air defroster heater 0.9 kW

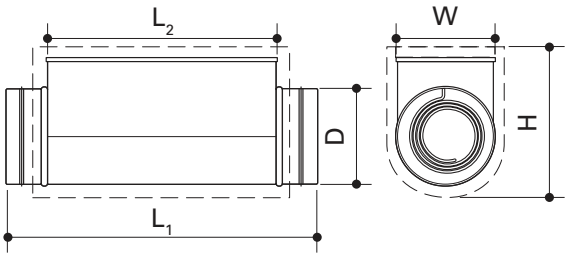
Defroster heater for the profi-air 180 flat ventilation unit. The defroster heater is a means of fresh air preheating, and in the field of heat recovery ventilation it is to be installed in the fresh air pipe. Comprising a heating coil in a steel-plate housing DN 125 with connection cable and insulation. The defroster heater can be switched on and off via the frost protection strategy stored in the ventilation unit. The wireless remote control of the profi-air 180 flat ventilation unit is required to put the defroster heater into operation.

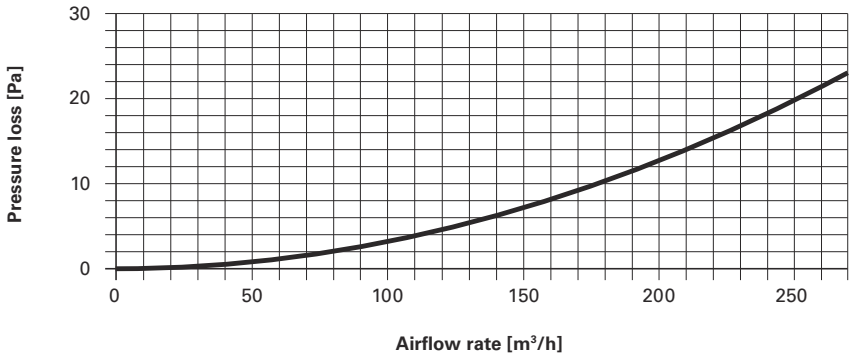
Technical data

- Electrical connection: 1~230 V / 50 Hz; 1 m cable with connection plug
- Heating performance: 900 watts
- Airflow rate: 70 to 220 m³/h
- Connection of ventilation lines: 2x DN 125, connection nipple
- Power consumption: 4.1 A
- Weight: 2.8 kg

Safety components:
1x safety temperature monitor
1x safety temperature limiter (integrated in the heater coil circuit)

Cat. no.	Description	D [mm]	L_1 [mm]	L_2 [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78312830	for 180 flat DN 125	125	370	270	125	157	2.80	1





profi-air® ventilation units

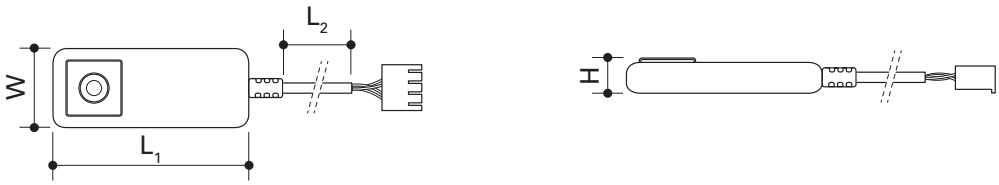
profi-air 180 flat ventilation unit accessories



profi-air internal VOC sensor

VOC sensor for the needs-based automatic control via the pollutant content in the room air of the profi-air 180 flat / 250 flex ventilation unit, including cable. For installation in the extract air channel of the ventilation unit.

Cat. no.	Description	L_1 [mm]	L_2 [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300834	for 180 flat / 250 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 of the profi-air 180 flat / 250 flex ventilation unit, including cable. For installation in the extract air channel of the ventilation unit.

Cat. no.	Description	L_1 [mm]	L_2 [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300835	for 180 flat / 250 flex	40	700	25	8	0.10	1



profi-air® ventilation units

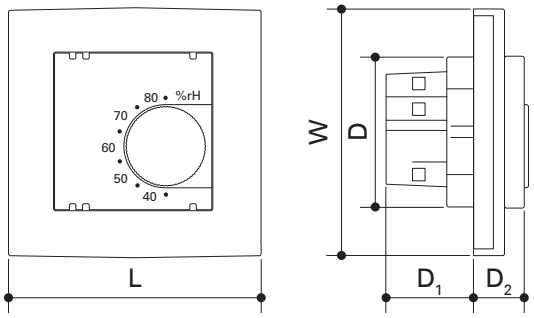
profi-air 180 flat ventilation unit accessories



profi-air room humidistat

Room humidistat for the needs-based automatic control via the water content in the room air of the profi-air 180 flat / 250 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 / 250 flex	47	81	85	26.5	16	0.10	1



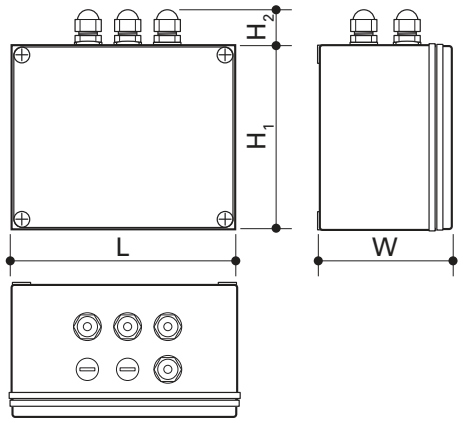


profi-air electrical connection box

Electrical connection box to expand the range of functions of profi-air 180 flat and 250 flex ventilation units for:

- 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 / 250 flex	170	100	140	25	0.90	1



profi-air® ventilation units

profi-air 180 flat ventilation unit accessories



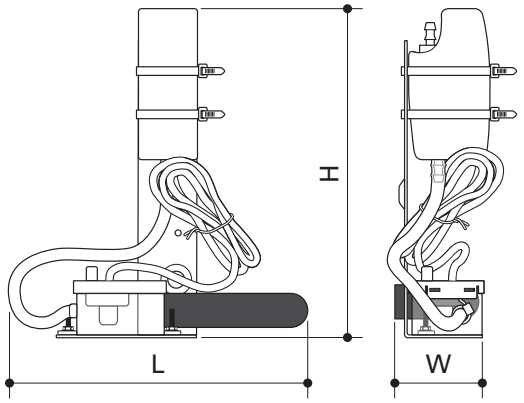
profi-air condensate pump

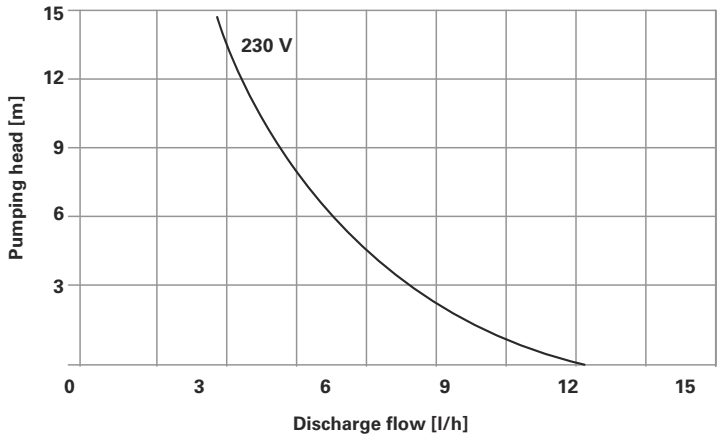
Condensate pump to reliably discharge condensate if no free condensate flow at a gradient of 2 % can be provided. It features a magnetic float switch and therefore only operates if there actually is condensate in the heat exchanger.

Technical data

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



cool, temperate climate
CERTIFIED COMPONENT
Passive House Institute

profi-air 250 flex ventilation unit

Central ventilation unit 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 unit 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.

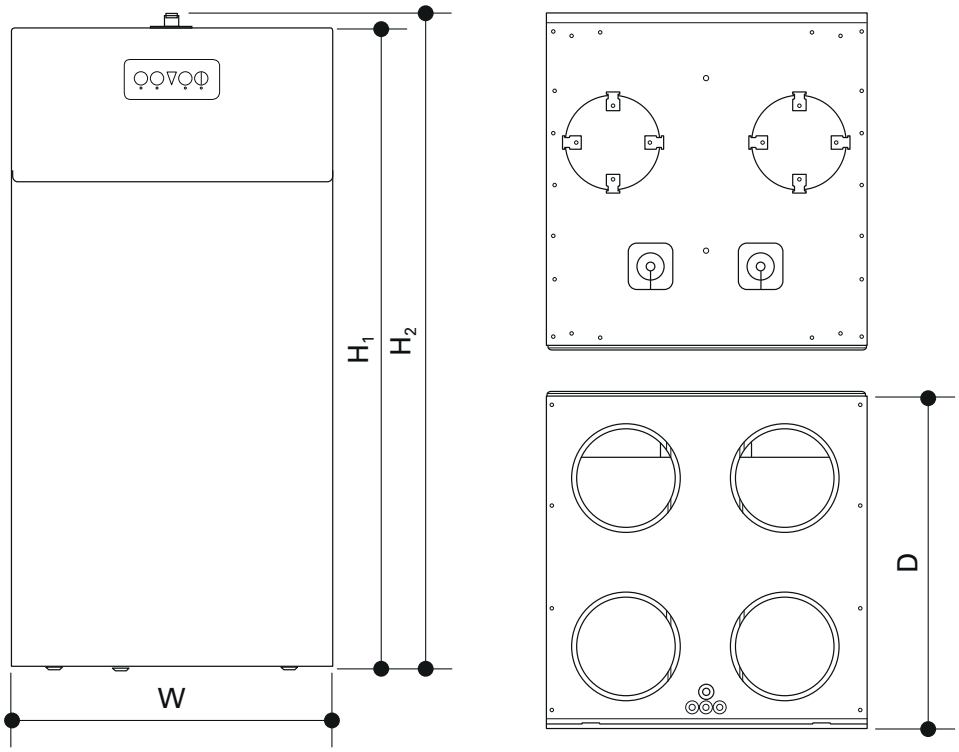
- Energy efficiency grade: A / A+ *
- DIBt approval: pending
- Passive house certificate
- Application: from 70 to 250 m^3/h
- Air channel connections: 4x DN 160 upwards (alternatively supply air DN 160 at the bottom)
- Condensate connection: 19 mm
- Power supply: 230 V, 50 Hz ready to plug-in
- Installation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

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

profi-air® ventilation units

profi-air 250 flex ventilation unit

Cat. no.	Description	W [mm]	D [mm]	H_1 [mm]	H_2 [mm]	Weight [kg]	PU [pcs]
78304725	250 flex (250 m³/h, max. 240 Pa)	540	549	1056	1100	42.00	1



profi-air® ventilation units

profi-air 250 flex ventilation unit

Unit type	**profi-air 250 flex**
Weight [kg]	approx. 42
Dimensions (WxDxH) [mm]	540 x 549 x 1056
Depth including mounting rail	562

Heat exchanger	
Type	cross-counterflow plate heat exchanger, water-resistant, frost-proof
Material	plastic
Max. heat recovery efficiency [%]	up to 96

Fans	
Fan operation	2 EC fans
Power supply	230 V / ~50 Hz

Performance	
Application [m³/h]	70-250
Max. power input [W] without / with defroster heater	170 / 1570
Current [A]	1.2
Fuse protection (on site) [A]	16.0 delay fuse (cable 3 x 1.5 mm²)

Filter		
	supply air	extract air
Filter class	ISO Coarse 75 % (G4), optional ePM1 55 % (F7)	ISO Coarse 75 % (G4)

Connection	
Air connection [mm]	Ø160

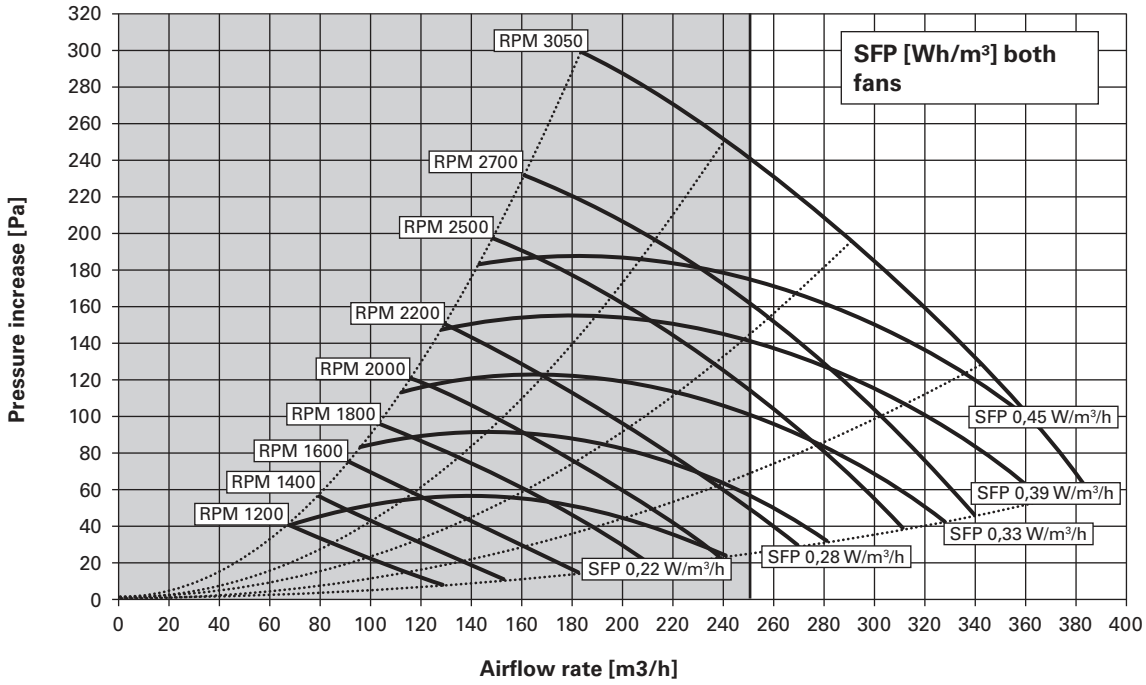
Tests and approvals	
	- DIBt (general building authority approval) pending - EN 13141-7 - SAP App. Q - KlimaHaus Partner pending - Passive house certificate

profi-air® ventilation units

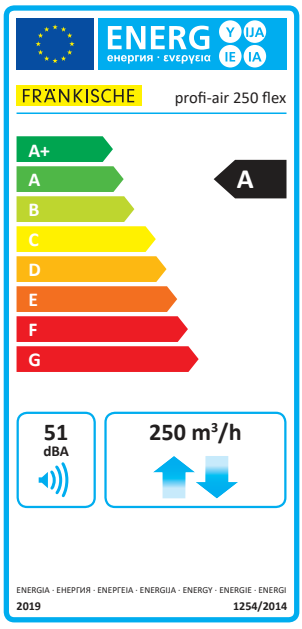
profi-air 250 flex ventilation unit

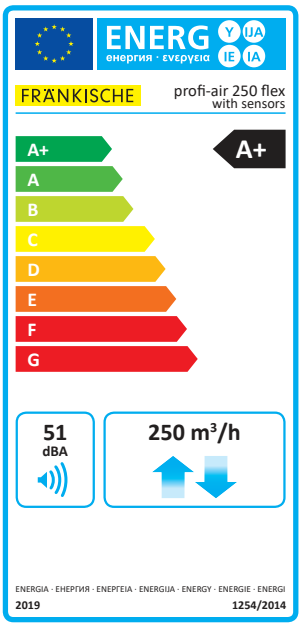
profi-air 250 flex airflow chart

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



profi-air 250 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 flex ventilation unit accessories



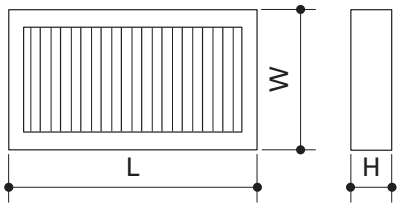
profi-air replacement filter set G4/G4

Rectangular cardboard filter for profi-air 250 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 flex	398	200	48	0.34	1





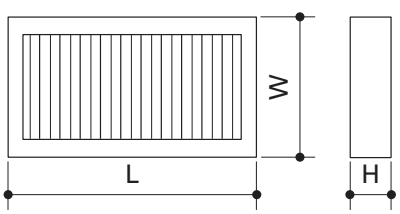
profi-air replacement filter set G4/F7

Rectangular cardboard filter for profi-air 250 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 flex	398	200	48	0.65	1



profi-air® ventilation units

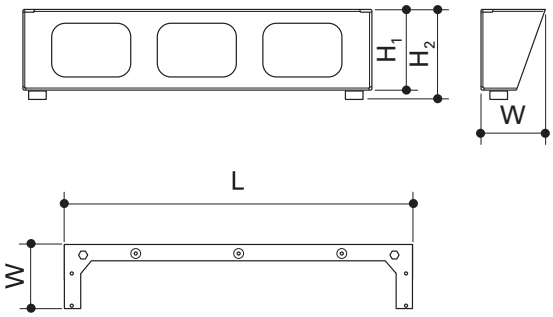
profi-air 250 flex ventilation unit accessories



profi-air floor mounting set

Varnished steel plate floor mounting set, including height-adjustable rubber buffers. For installation of the profi-air 250 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 flex	525	97	120	134-155	2.00	1

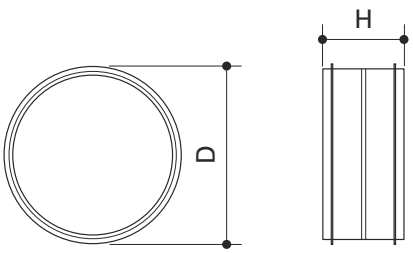




profi-air connection set

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

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



profi-air® ventilation units

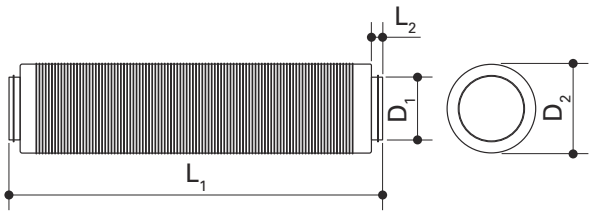
profi-air 250 flex ventilation unit accessories



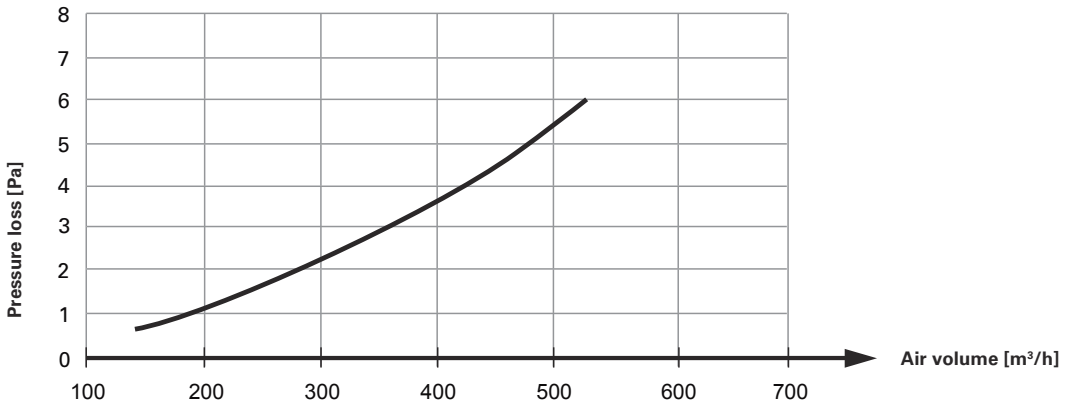
profi-air silencer

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



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
160	210	2	4	10	23	43	18	14



profi-air® ventilation units

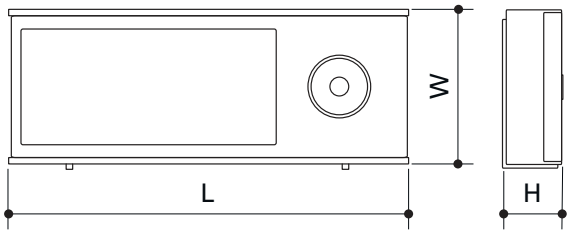
profi-air 250 flex ventilation unit accessories



profi-air wireless remote control

Remote control as optional control unit with LCD display to control the profi-air 180 flat / 250 flex ventilation units.

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





profi-air cockpit pro connection cable

Connection cable to establish a connection between the profi-air 180 flat / 250 flex ventilation unit 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	Connection cable for 180 flat / 250 flex	3000	0.09	1

profi-air® ventilation units

profi-air 250 flex ventilation unit accessories



profi-air defroster heater 1.4 kW

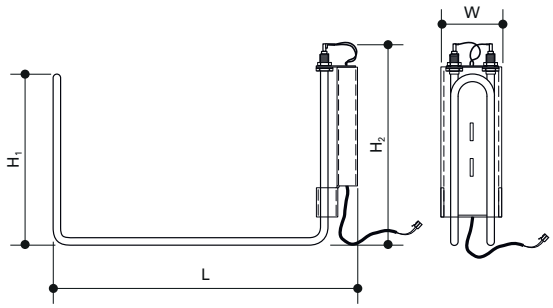
Defroster heater for profi-air 250 flex ventilation units. Comprising a double-angled heating element with connection cable. The defroster heater preheats the fresh air and is integrated directly into the ventilation unit. The defroster heater can be switched on and off via the frost protection strategy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

Technical data

- Electrical connection: 1~230 V / 50 Hz; 0.4 m cable with connection plug
- Airflow rate: 80 bis 250 m³/h
- Heating performance: 1400 watts

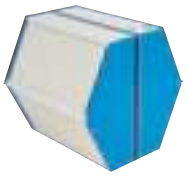
Safety components:
1x safety temperature monitor,
1x safety temperature limiter (integrated in the heater coil circuit)

Cat. no.	Description	L [mm]	W [mm]	H_1 [mm]	H_2 [mm]	Weight [kg]	PU [pcs]
78301830	for 250 flex	370	73	203	245	0.65	1



profi-air® ventilation units

profi-air 250 flex ventilation unit accessories



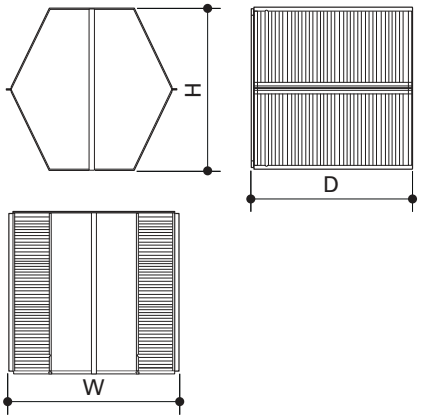
profi-air enthalpy heat exchanger

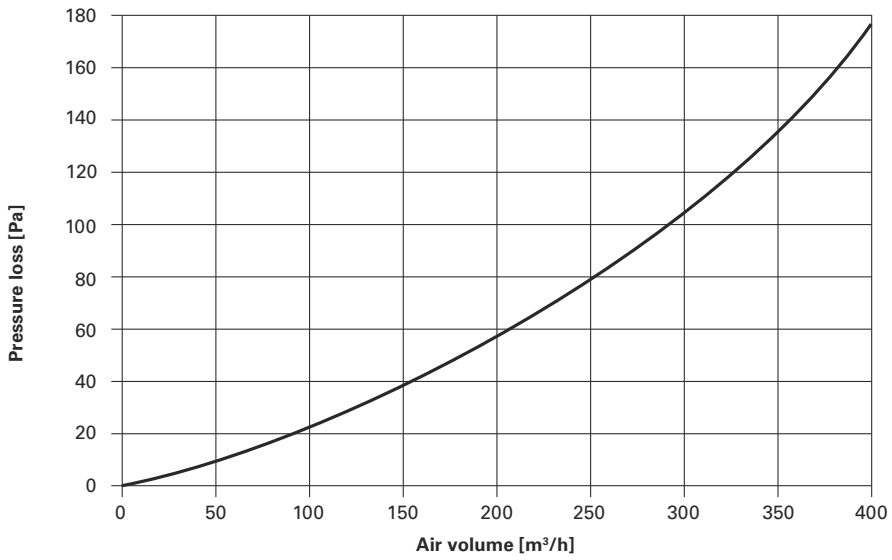
Enthalpy heat exchanger for retrofitting installation into the profi-air 250 flex ventilation unit. The highly efficient heat exchanger transports heat and humidity thus preventing living quarters from drying out during winter months.

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 flex	366	366	400	8.70	1





profi-air® ventilation units

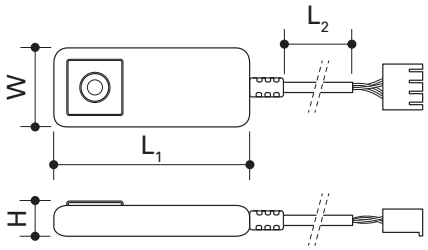
profi-air 250 flex ventilation unit accessories



profi-air internal VOC sensor

VOC sensor for the needs-based automatic control via the pollutant content in the room air of the profi-air 180 flat / 250 flex ventilation unit, including cable. For installation in the extract air channel of the ventilation unit.

Cat. no.	Description	L_1 [mm]	L_2 [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300834	for 180 flat / 250 flex	40	700	25	8	0.10	1

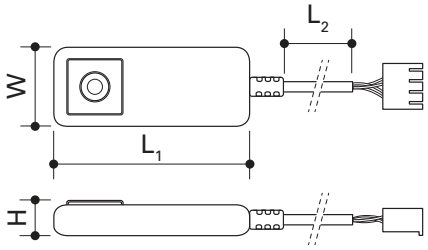




profi-air internal humidity sensor

Humidity sensor for the needs-based automatic control via the water content in the room air of the profi-air 180 flat / 250 flex ventilation unit, including cable. For installation in the extract air channel of the ventilation unit.

Cat. no.	Description	L_1 [mm]	L_2 [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300835	for 180 flat / 250 flex	40	700	25	8	0.10	1



profi-air® ventilation units

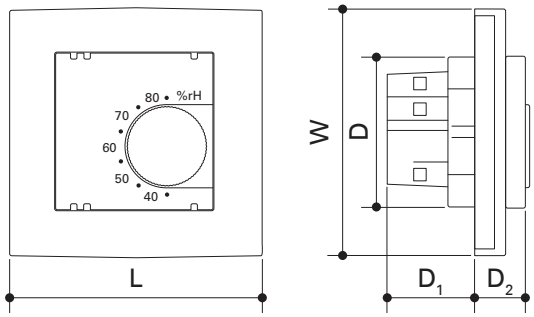
profi-air 250 flex ventilation unit accessories



profi-air room humidistat

Room humidistat for the needs-based automatic control via the water content in the room air of the profi-air 180 flat / 250 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 / 250 flex	47	81	85	26.5	16	0.10	1



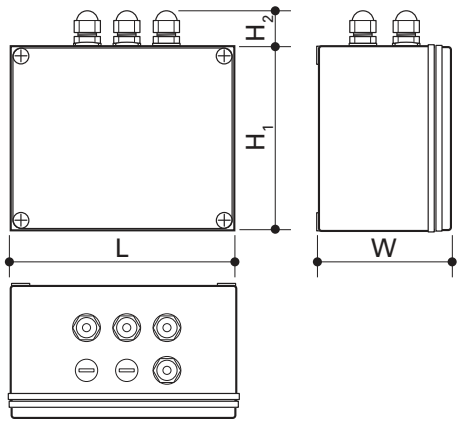


profi-air electrical connection box

Electrical connection box to expand the range of functions of profi-air 180 flat / 250 flex ventilation units for:

- 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 / 250 flex	170	100	140	25	0.90	1



profi-air® ventilation units

profi-air 400 touch ventilation unit



profi-air 400 touch ventilation unit

Central ventilation unit for heat recovery ventilation with a cross-counterflow heat exchanger for heat recovery and an integrated 100 % summer bypass. The housing is made of galvanised and varnished steel plate with a core made of thermally insulated and sound absorbing EPP. The backwards curved EC fans allow efficient and economical operation. The integrated touch screen is used for commissioning and operating the ventilation unit.

Alternatively, you can control the ventilation unit via the LAN connection using a PC or smartphone. Connection options directly at the ventilation unit for defroster heater, humidity sensor, CO_2 sensor and switch.

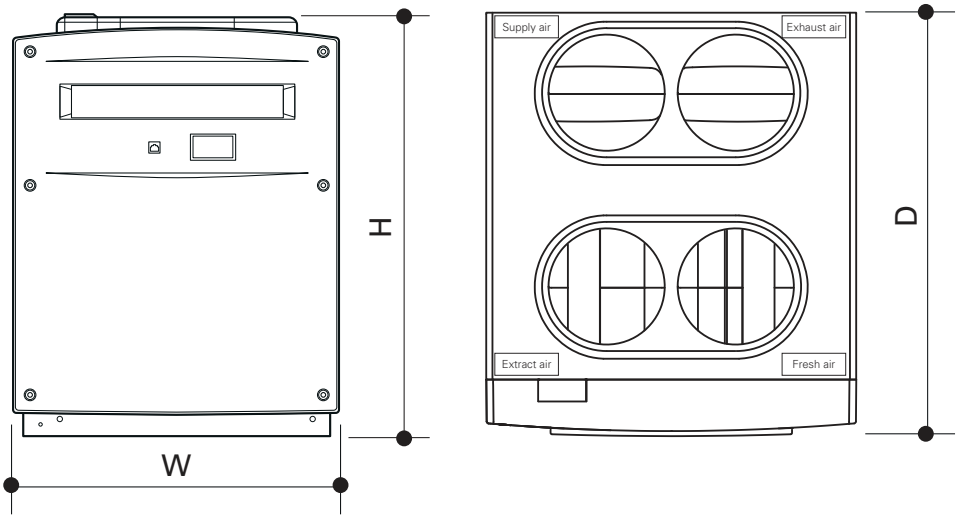
The scope of delivery includes the connection plug for the additional board and a 230 V connection cable. The device is delivered ready to plug-in. The filters can be replaced from the front without having to open the device.

- Energy efficiency grade: A
- DIBt approval
- Dimensions (WxDxH): 575 x 660 x 825 mm
- Weight: 35 kg
- Application: from 100 to 400 m^3/h
- Air channel connections: 4x DN 160 upwards
- Condensate connection: 5/4“ MT
- 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: 54.7 dB(A) 325 m^3/h - 160 Pa
- Sound power level:
  Supply air channel: 73.2 dB(A) 325 m^3/h - 160 Pa
  Extract air channel: 60.7 dB(A) 325 m^3/h - 160 Pa
- Max. heat recovery efficiency: 90 %
- Power input: max. 211 W
- Electrical efficiency: 0.34 Wh/m^3 with 280 m^3/h
- Supply air filter: F5 (optional F7)
- Extract air filter: G4

profi-air® ventilation units

profi-air 400 touch ventilation unit

Cat. no.	Description	W [mm]	D [mm]	H [mm]	Weight [kg]	PU [pcs]
78302740	400 touch (400 m³/h, max. 280 Pa)	575	660	825	35.00	1



profi-air® ventilation units

profi-air 400 touch ventilation unit

Unit type	**profi-air 400 touch**
Weight [kg]	approx. 35
Dimensions (WxDxH) [mm]	575 x 660 x 825

Heat exchanger	
Type	cross-counterflow plate heat exchanger, water-resistant, frost-proof
Material	plastic
Max. heat recovery efficiency [%]	90

Fans	
Fan operation	2 EC RadiCal fans with 7 backwards curved blades
Power supply	230 V / ~50 Hz

Performance	
Application [m³/h]	100-400
Electric power consumption, including control	100 m³/h / 60 Pa – 30 W
	200 m³/h / 100 Pa – 70 W
	400 m³/h / 100 Pa – 211 W
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	F5, F7 optionally	G4

Connection	
Air connection [mm]	Ø180

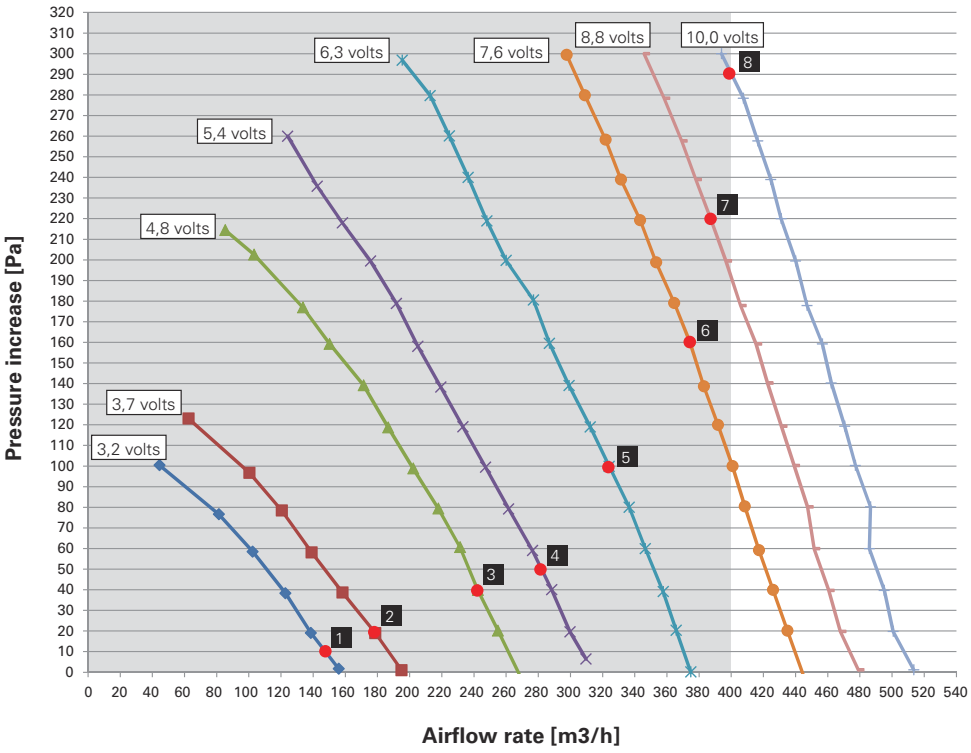
Tests and approvals	
	- DIBt (General building authority approval) - EN 13141-7 - EN 308 - SAP App. Q - KlimaHaus Partner

profi-air® ventilation units

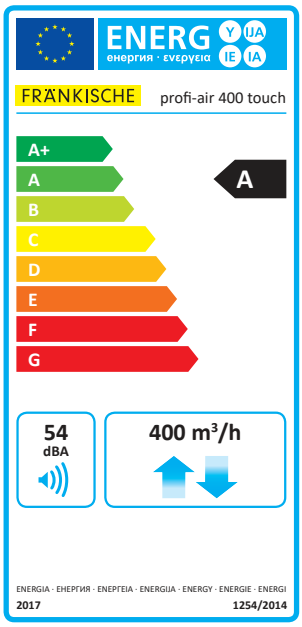
profi-air 400 touch ventilation unit

profi-air 400 touch airflow chart

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



profi-air 400 touch energy label



profi-air® ventilation units

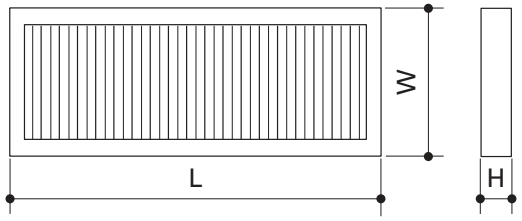
profi-air 400 touch ventilation unit



profi-air replacement filter

Rectangular filter for profi-air 400 touch ventilation units with a filter medium folded to V-shape in a cardboard frame.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300890	F5 for 400 touch	350	143	29	0.08	1
78300891	G4 for 400 touch	350	143	29	0.08	1
78300892	F7 for 400 touch	350	143	29	0.08	1

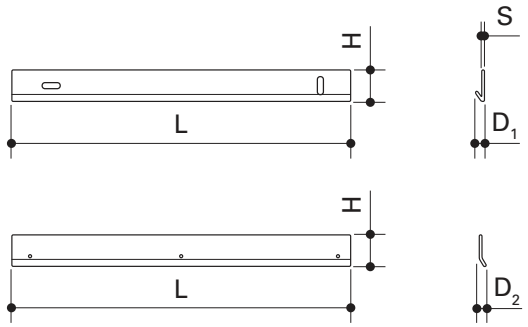




profi-air wall mounting set

Mounting set for wall installations of profi-air 250 or 400 touch ventilation units including two galvanised steel plate rails, one rubber sealing lip, two spacers and three metal screws. The rubber lip seal must be installed to provide noise separation of the device and the building. The threaded rubber buffers are used both as spacers and to provide noise separation.

Cat. no.	Description	L [mm]	H [mm]	D_1 [mm]	D_2 [mm]	S [mm]	Weight [kg]	PU [pcs]
78300810	for 400 touch	560	52	16	10	3	1.25	1



profi-air® ventilation units

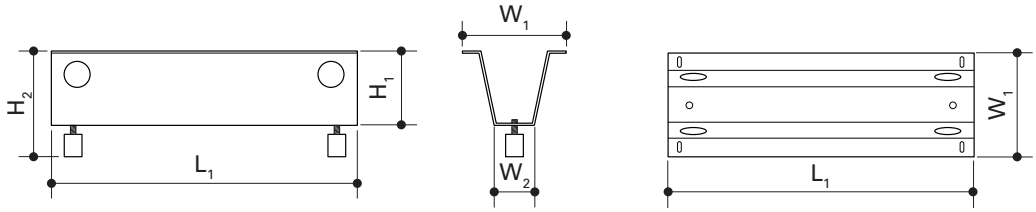
profi-air 400 touch ventilation unit accessories



profi-air floor mounting set

Mounting set for floor installations of the profi-air 250 or 400 touch ventilation units including two galvanised steel plate bases, four rubber buffers and eight metal screws. The rubber buffers must be installed to provide both noise separation and horizontal/vertical adjustment of the device.

Cat. no.	Description	L [mm]	W_1 [mm]	W_2 [mm]	H_1 [mm]	H_2 [mm]	Weight [kg]	PU [pcs]
78300811	for 400 touch	350	160	63	150	175-190	4.70	1

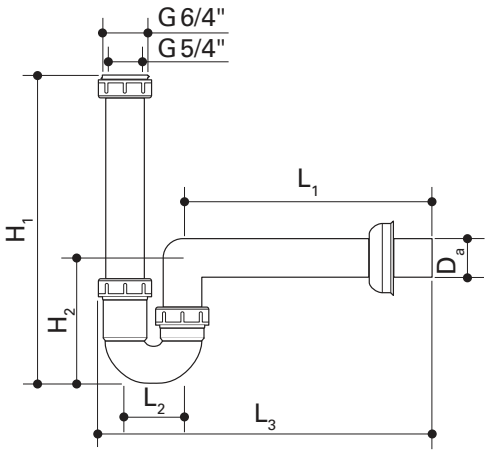




profi-air condensate siphon with ball

Ball siphon to discharge condensate in connection with the profi-air 400 touch ventilation unit. Due to its design, smells are prevented even if the siphon has dried out.

Cat. no.	Description	D_o [mm]	L_1 [mm]	L_2 [mm]	L_3 [mm]	H_1 [mm]	H_2 [mm]	Weight [kg]	PU [pcs]
78300801	for 400 touch 1 1/4“- 40 mm	40	260	60	340	160-315	115	0.25	1



profi-air® ventilation units

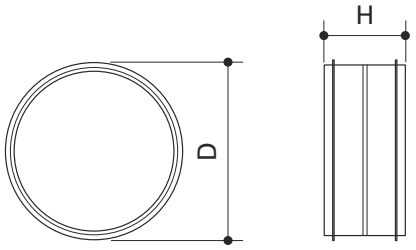
profi-air 400 touch ventilation unit accessories



profi-air connection set

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

Cat. no.	Description	H [mm]	NW [mm]	Iso pipe	Spiral duct	Weight [kg]	PU [pcs]
78318820	spiral fold 4x DN 180	80	180	-	x	1.08	1

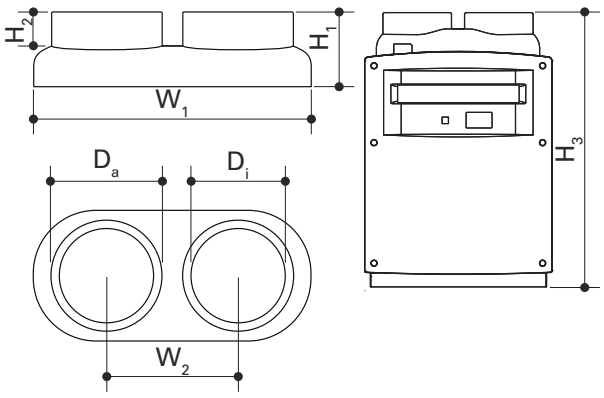




profi-air connection set

Connection set consisting of two EPP adapter attachments to broaden the connecting pieces spacing. Exclusively required for the installation of iso pipe DN 180 in connection with the profi-air 400 touch ventilation unit.

Cat. no.	Description	D_o [mm]	D_i [mm]	W_1 [mm]	W_2 [mm]	H_1 [mm]	H_2 [mm]	H_3 [mm]	Weight [kg]	PU [pcs]
78318821	ISO 4x DN 180	210	180	500	200	134	50	925	0.92	1



profi-air® ventilation units

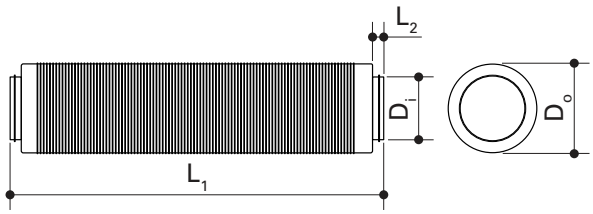
profi-air 400 touch ventilation unit accessories



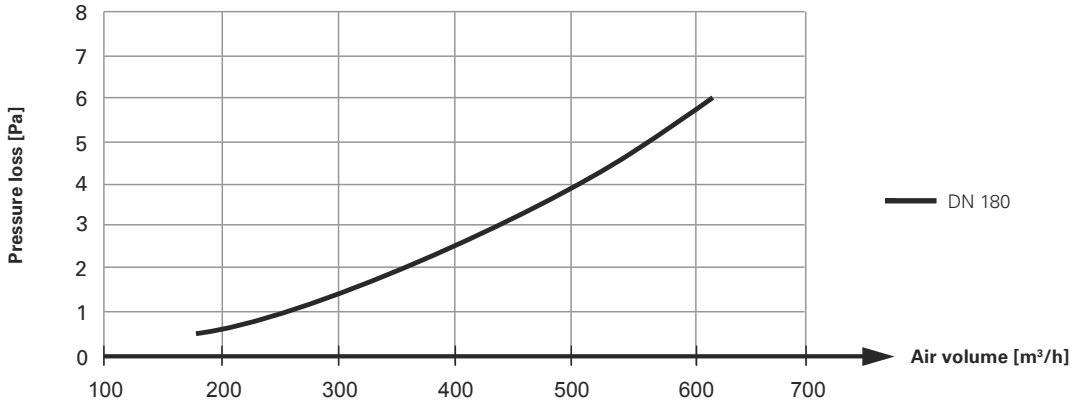
profi-air silencer

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_i [mm]	D_o [mm]	L_1 [mm]	L_2 [mm]	Weight [kg]	PU [pcs]
78318850	DN 180	180	230	1000	55	1.35	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
180	230	2	3	9	22	35	15	12



profi-air® ventilation units

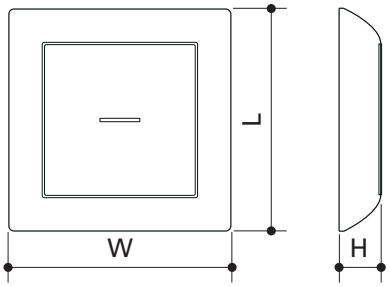
profi-air 400 touch ventilation unit accessories



profi-air switch

Switch for the 4-mode control of profi-air 400 touch ventilation unit including wall-mounted switch, exposed frame in alpine white and LED light. The light shows the current power level of the ventilation unit with the help of a flash code.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300833	for 400 touch	80	80	15	0.28	1



profi-air® ventilation units

profi-air 400 touch ventilation unit accessories



profi-air defroster heater 2 kW

Defroster heater for profi-air 400 touch ventilation unit. Consisting of EPP housing DN 160 with integrated PTC heating element, G3 prefilter, switchbox and connection cable. The defroster heater preheats the fresh air and is integrated into the fresh air pipe. The defroster heater can be switched on and off via the frost protection strategy stored in the ventilation device.

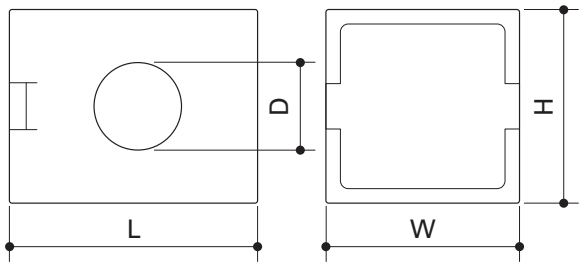
Technical data

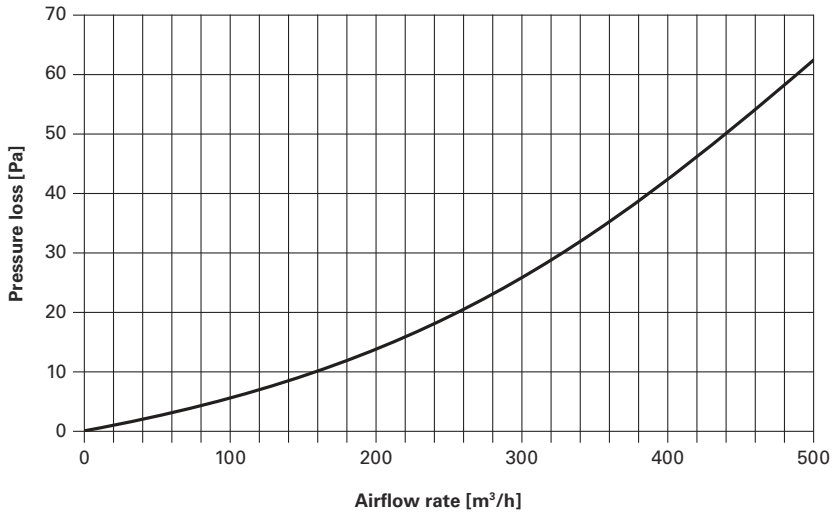
- Electric connection: 1~110-240 V / 50/60 Hz; 3 m cable with strengthened core ends
- Heating performance: 2000 watts
- Initial current: max. 10 A
- Airflow rate: up to 500 m³/h
- Weight: 4.5 kg
- Connection of ventilation lines: 2x DN 160 connection nipple

Safety components:

1x safety temperature monitor
1x safety temperature limiter (integrated in the heater coil circuit)

Cat. no.	Description	D [mm]	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78316830	for 400 touch DN 160	160	423	330	330	4.50	1





profi-air® ventilation units

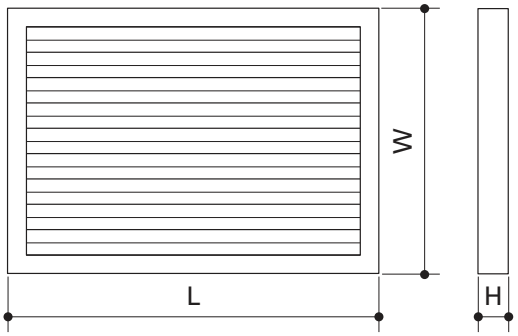
profi-air 400 touch ventilation unit accessories



profi-air replacement filter G3

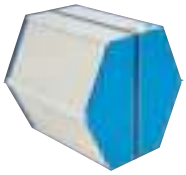
Rectangular filter for profi-air defroster heater with a filter medium folded to V-shape in a cardboard frame.

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300893	for defroster heater 2 kW	350	250	26	0.14	1



profi-air® ventilation units

profi-air 400 touch ventilation unit accessories



profi-air enthalpy heat exchanger

Enthalpy heat exchanger for retrofitting installation into the profi-air 400 touch ventilation unit. The highly efficient heat exchanger transports heat and humidity thus preventing living quarters from drying out during winter months.

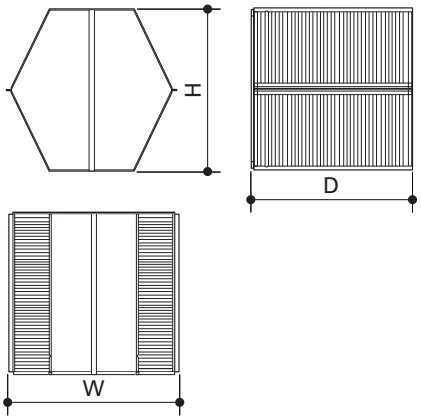
The basic physical principle of osmosis of water vapour through the pore structure of a special-purpose polymeric membrane is used for humidity transportation. It is only heat and water vapour that are transported through the membrane. It is impermeable to other substances such as gases, contaminations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

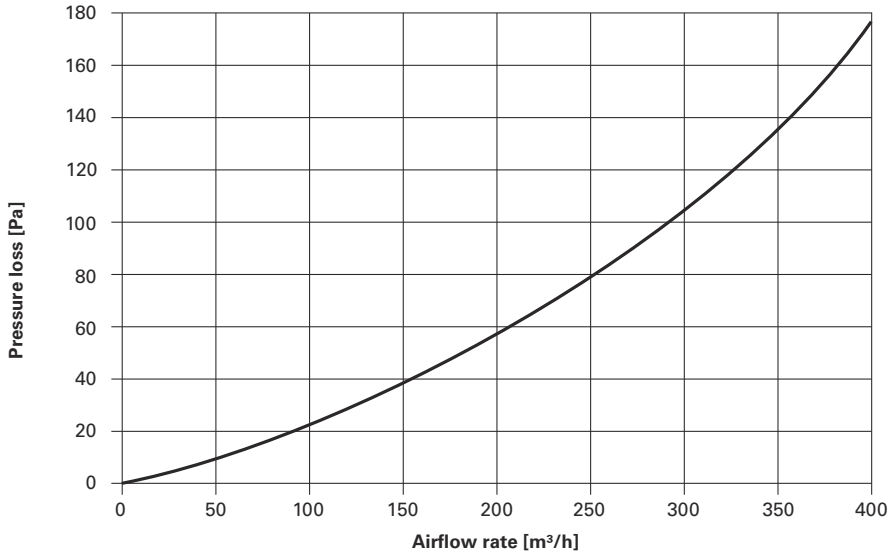
Long service life with constantly high transmission values, minimum leakage, low pressure loss, freeze and thermal tolerance, easy cleaning using water as well as antimicrobial coating.

Mean heat recovery efficiency according to DIBt (enthalpic):

- profi-air 400 touch ηHR = 98 %

Cat. no.	Description	H [mm]	W [mm]	D [mm]	Weight [kg]	PU [pcs]
78300802	for 400 touch	366	386	360	8.50	1





profi-air® ventilation units

profi-air 400 touch ventilation unit accessories



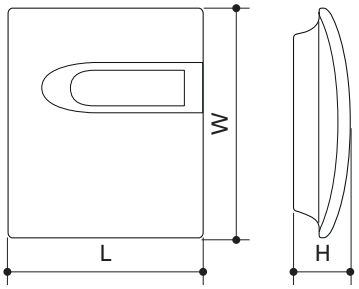
profi-air external CO_2 sensor

CO_2 sensor for the fully automatic control of the profi-air 400 touch ventilation unit. Alternating display of CO_2 concentration in the room air and room temperature.

Switching the 400 touch ventilation unit:

- Mode 2 = < 1,000 ppm
- Mode 3 = 1,000 - 1,500 ppm
- Mode 4 = > 1,500 ppm

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300831	for 400 touch	85	100	26	0.08	1





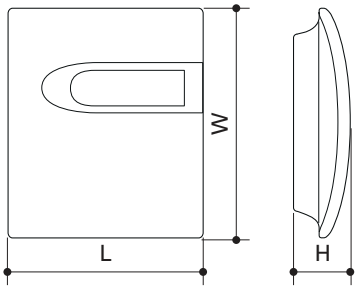
profi-air external humidity sensor

Humidity sensor for the fully automatic control of the profi-air 400 touch ventilation unit. Alternating display of water content in the room air and room temperature.

Switching the 400 touch ventilation unit:

- Mode 2 = < 60 % relative humidity
- Mode 3 = 60 - 85 % relative humidity
- Mode 4 = > 85 % relative humidity

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300832	for 400 touch	85	100	26	0.08	1



profi-air® ventilation units

profi-air 400 touch ventilation unit accessories



profi-air electrical connection box

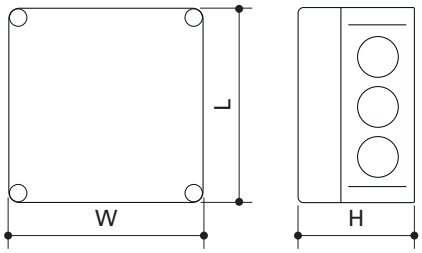
Connection box comprising sensor and actuator box including 5-pole CAN bus system cable (2 m) to expand the connection options of the profi-air 400 touch ventilation units for:

- 4 external sensors (CO_2 and / or humidity)
- Electric preheater
- Electronic filter
- Switch
- Service contact OFF

The profi-air connection box is compatible with ventilation units:

- 78300725
- 78300740

Cat. no.	Description	L [mm]	W [mm]	H [mm]	Weight [kg]	PU [pcs]
78300830	for 400 touch	125	125	75	0.12	1





120 Preiskatalog profi-air 2020

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	
Zusatzausrüstung		keine	
Spezifischer Energieverbrauch	SEC kalt	-77,7	kWh/m² a
	SEC durchschnittlich	-38,5	
	SEC warm	-13,4	
Energieeffizienzklasse		A	
Typ		RVU / BVU	
		VSD	

profi-air® ERP data sheets

- profi-air 180 flat
- profi-air 250 flex
- profi-air 400 touch

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/(m² 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	ηt	92		[%]
Highest airflow rate		180		[m³/h]
Electric power input		127		[W]
Sound power level	L_{WA}	45		[dB[A]]
Reference airflow rate		0.035 126		[m³/s] [m³/h]
Reference pressure difference		50		[Pa]
Specific power input	SPI	0.27		[W/(m³/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/(m² a)]
		average	3.50	
		warm	3.05	
Annual heating energy savings	AHS	cold	91.1	[kWh/(m² 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/(m² 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		[m³/h]
Electric power input		127		[W]
Sound power level	L_{WA}	45		[dB[A]]
Reference airflow rate		0.035 126		[m³/s] [m³/h]
Reference pressure difference		50		[Pa]
Specific power input	SPI	0.27		[W/(m³/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/(m² a)]
		average	1.88	
		warm	1.43	
Annual heating energy savings	AHS	cold	92.6	[kWh/(m² 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/(m² 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	ηt	92		[%]
Highest airflow rate		250		[m³/h]
Electric power input		170		[W]
Sound power level	L_{WA}	46		[dB[A]]
Reference airflow rate		0.049 175		[m³/s] [m³/h]
Reference pressure difference		50		[Pa]
Specific power input	SPI	0.24		[W/(m³/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/(m² a)]
		average	3.16	
		warm	2.71	
Annual heating energy savings	AHS	cold	91.1	[kWh/(m² a)]
		average	46.6	
		warm	21.0	

profi-air® ERP data sheets

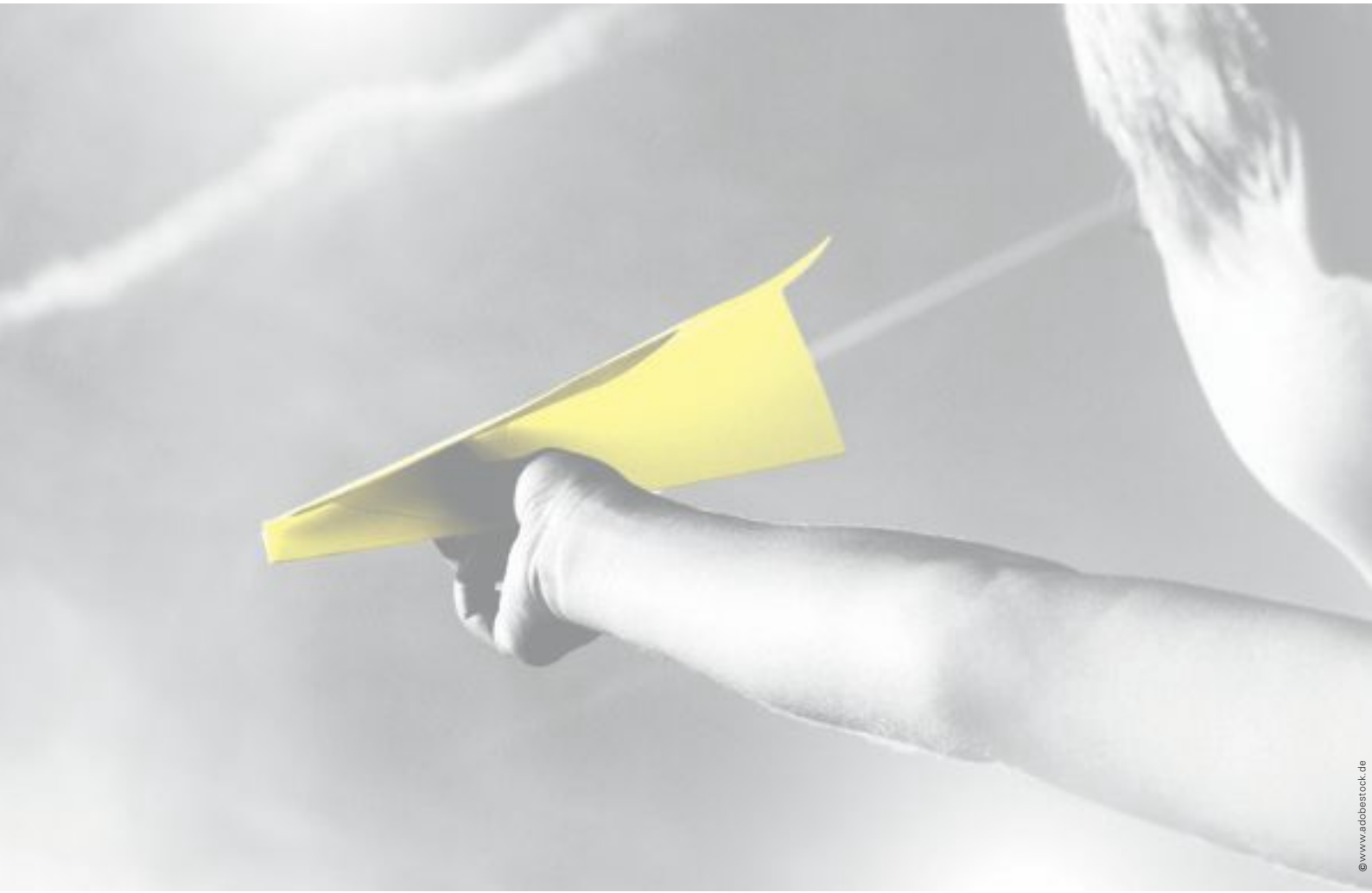
profi-air 250 flex ventilation unit external sensors

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/(m² 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		[m³/h]
Electric power input		170		[W]
Sound power level	L_{WA}	46		[dB[A]]
Reference airflow rate		0.049 175		[m³/s] [m³/h]
Reference pressure difference		50		[Pa]
Specific power input	SPI	0.24		[W/(m³/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/(m² a)]
		average	1.72	
		warm	1.27	
Annual heating energy savings	AHS	cold	92.6	[kWh/(m² a)]
		average	47.3	
		warm	21.4	

profi-air® ERP data sheets

profi-air 400 touch ventilation unit

Manufacturer		FRÄNKISCHE Rohrwerke Gebr. Kirchner GmbH & Co. KG Hellinger Straße 1, 97481 Königsberg/Germany		
Type of product		**profi-air 400 touch**		
Catalogue number		**78302740**		
Additional equipment		none		
Specific energy consumption	SEC	cold	-72.7	[kWh/(m² a)]
		average	-35.0	
		warm	-10.8	
Energy efficiency grade		A		
Type		RVU / BVU		
Type of drive		VSD		
Type of heat recovery		recuperation		
Thermal efficiency	η_t	87		[%]
Highest airflow rate		400		[m³/h]
Electric power input		215		[W]
Sound power level	L_{WA}	54		[dB[A]]
Reference airflow rate		0.0778 280		[m³/s] [m³/h]
Reference pressure difference		50		[Pa]
Specific power input	SPI	0.34		[W/(m³/h)]
Control typology		time control (no demand control)		
Control factor		0.95		
Highest internal air leakage rate		1.0		[%]
Highest external air leakage rate		2.3		[%]
Location and description of filter warning indicator		error code "F1" on the touch display		
Website		www.fraenkische.com		
Annual energy consumption	AEC	cold	9.66	[kWh/(m² a)]
		average	4.29	
		warm	3.84	
Annual heating energy savings	AHS	cold	88.2	[kWh/(m² a)]
		average	45.1	
		warm	20.4	



FRÄNKISCHE

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