

profi-air® Heat Recovery Ventilation

Technical data

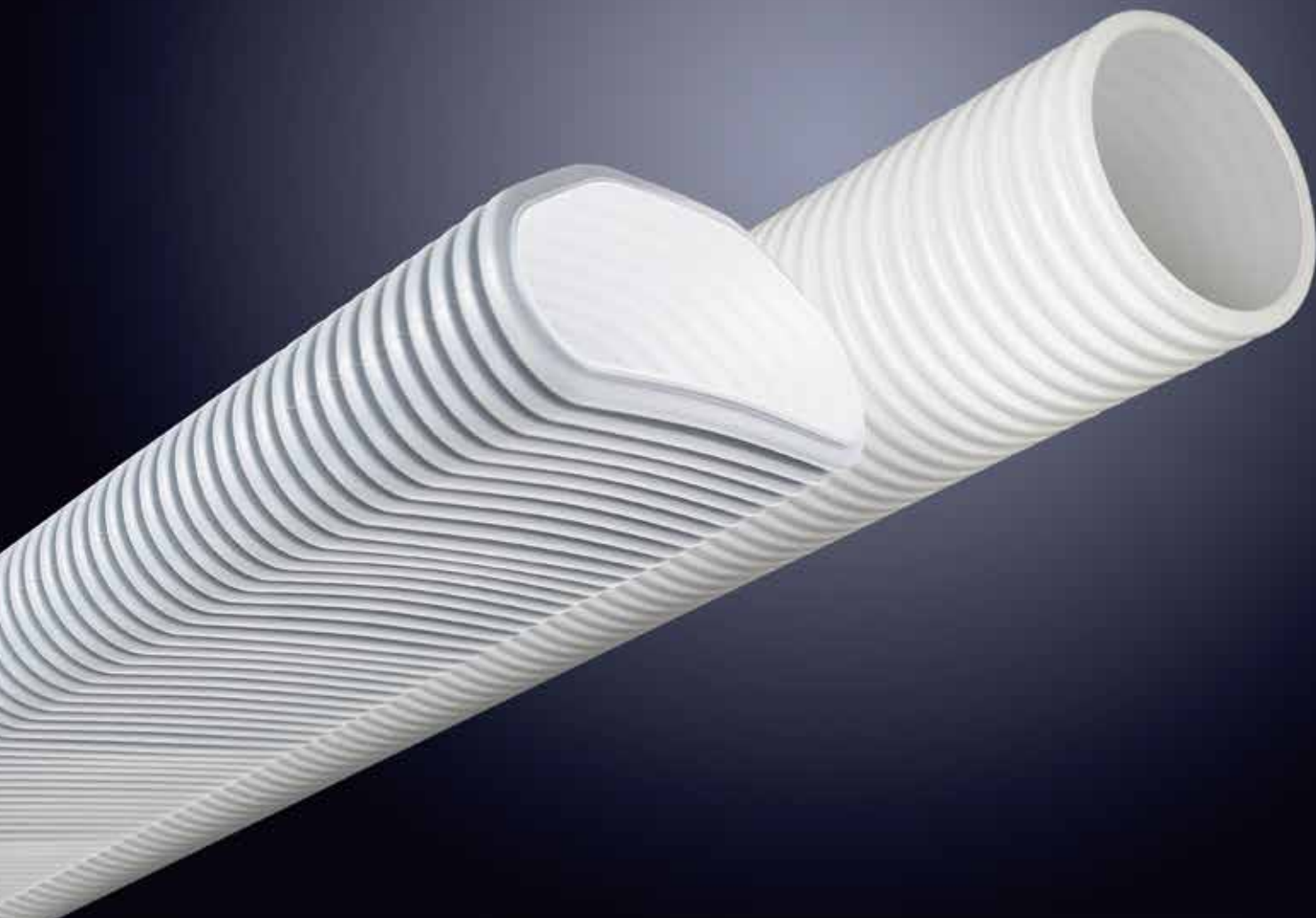


DRAINAGE SYSTEMS
ELECTRICAL SYSTEMS
BUILDING TECHNOLOGY
INDUSTRIAL PRODUCTS

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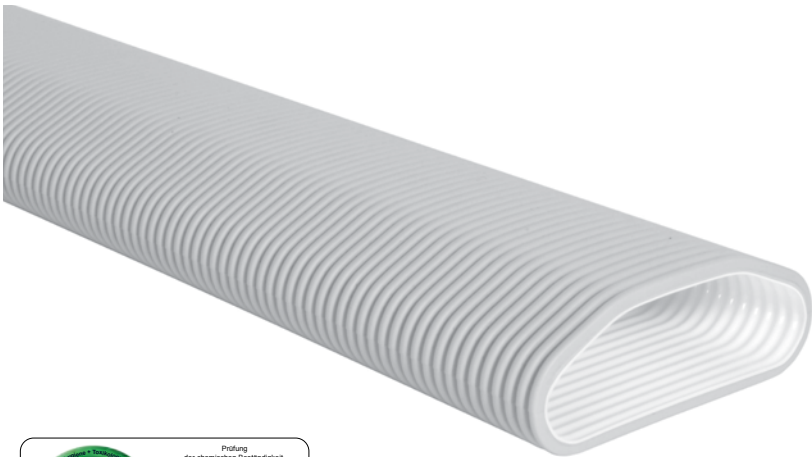


profi-air® pipe systems

- Antistatic and antibacterial
- Flow-optimized pipes and fittings
- Flexible, crush resistant pipe variants



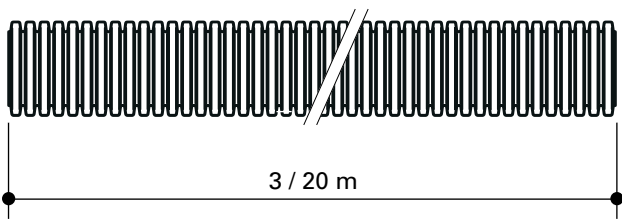
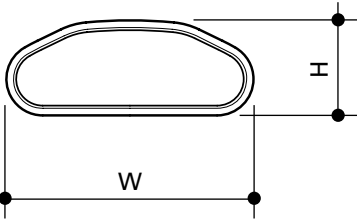
profi-air® tunnel pipe



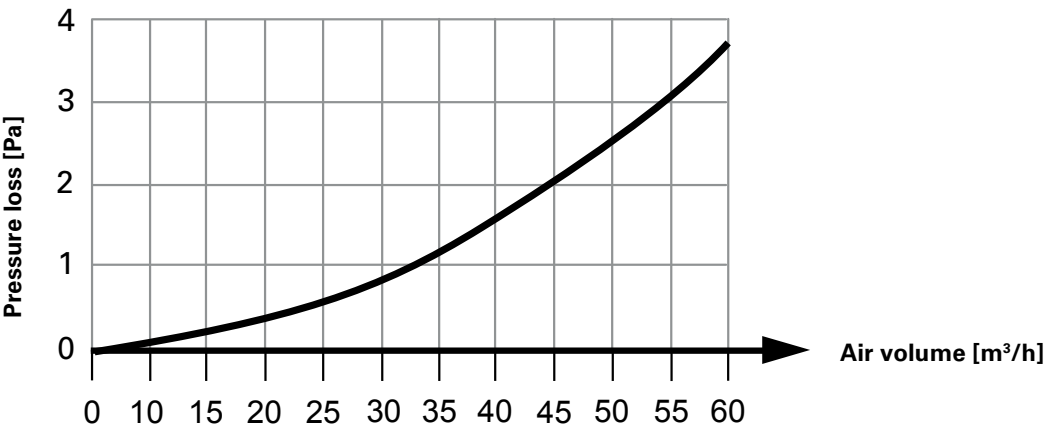
Tunnel-shaped, hard-wearing, double-walled corrugated pipe with antistatic and antibacterial inside coating, to be installed in the insulation layer, for routing cables in suspended ceilings, installation walls, risers or frames. The smooth inner surface of the profi-air tunnel pipe allows for easy cleaning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

Admissible operating temperature:
-25 to 60 °C
Processing temperature of 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

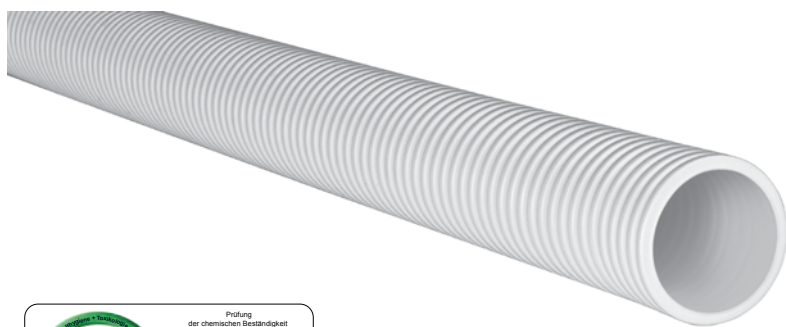


Cat. no.	Type	Dimensions				Material	Weight	Packing unit
profi-air tunnel pipe								
		W	H	Coil ø	Coil height			
		[mm]	[mm]	[mm]	[mm]		[kg/packing unit]	
78313202	132 x 52 mm, in coils	132	52	1,200	150	PP	10.50	20 m
78313201	132 x 52 mm, in straight lengths, stable	132	52	–	–	PP	7.20	12 m



Pressure loss in 1 m of pipe section

profi-air® classic pipe



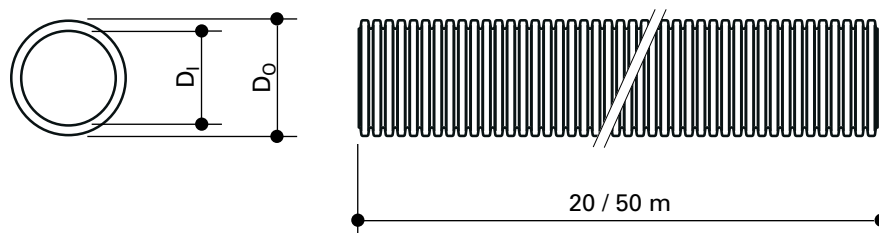
Highly flexible double-walled corrugated pipe with antistatic and antibacterial inside coating, to be installed in concrete ceilings, suspended ceilings, installation walls, risers or frames. The profi-air classic pipe with its smooth inner pipe surface allows easy cleaning.

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

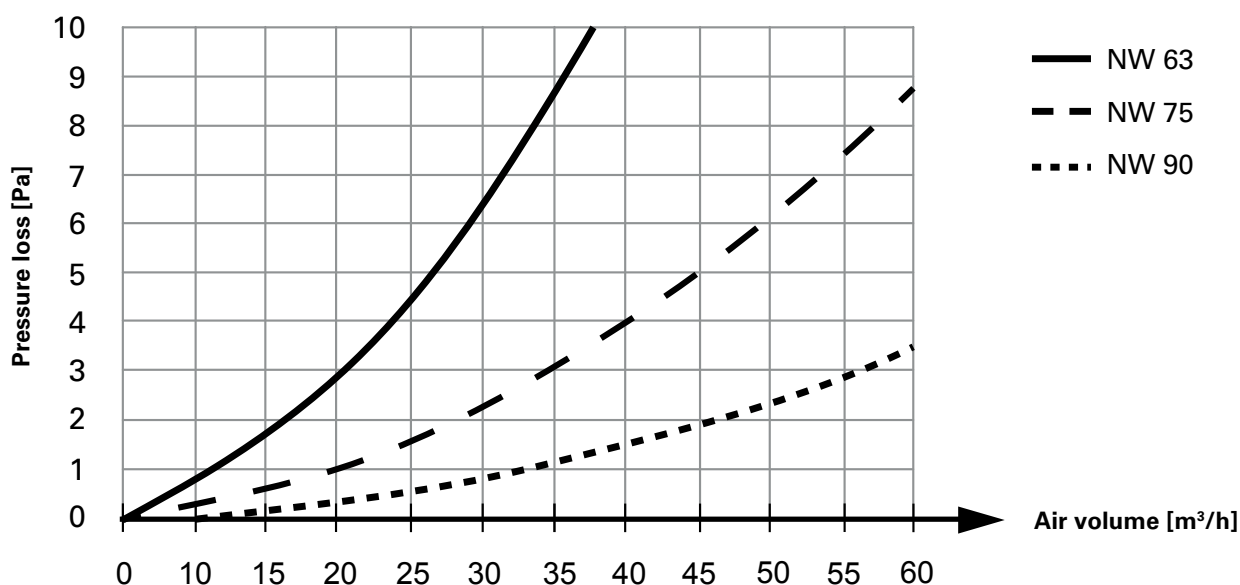
Ring stiffness
NW 63 > 8 kN/m² EN ISO 9969
NW 75 > 8 kN/m² EN ISO 9969
NW 90 > 7 kN/m² EN ISO 9969

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

Bend radius: min. 15 cm



Cat. no.	Type	Dimensions				Material	Weight	Packing unit
profi-air classic pipe								
		D _O	D _I	Coil ø	Coil height			
		[mm]	[mm]	[mm]	[mm]		[kg/coil]	
78363305	NW 63, in coils	64	54	1,130	320	PE-HD	15.50	50 m
78375302	NW 75, in coils	76	63	1,050	210	PE-HD	6.80	20 m
78375305	NW 75, in coils	76	63	1,100	350	PE-HD	17.00	50 m
78390302	NW 90, in coils	91	78	1,130	250	PE-HD	9.00	20 m
78390305	NW 90, in coils	91	78	1,130	460	PE-HD	22.50	50 m

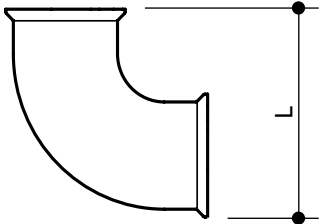
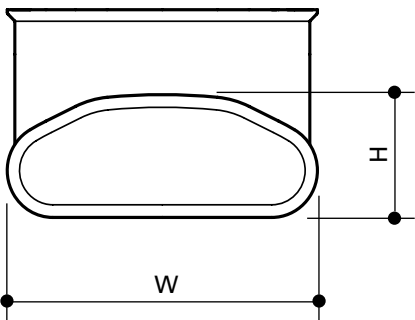


Pressure loss in 1 m of pipe section

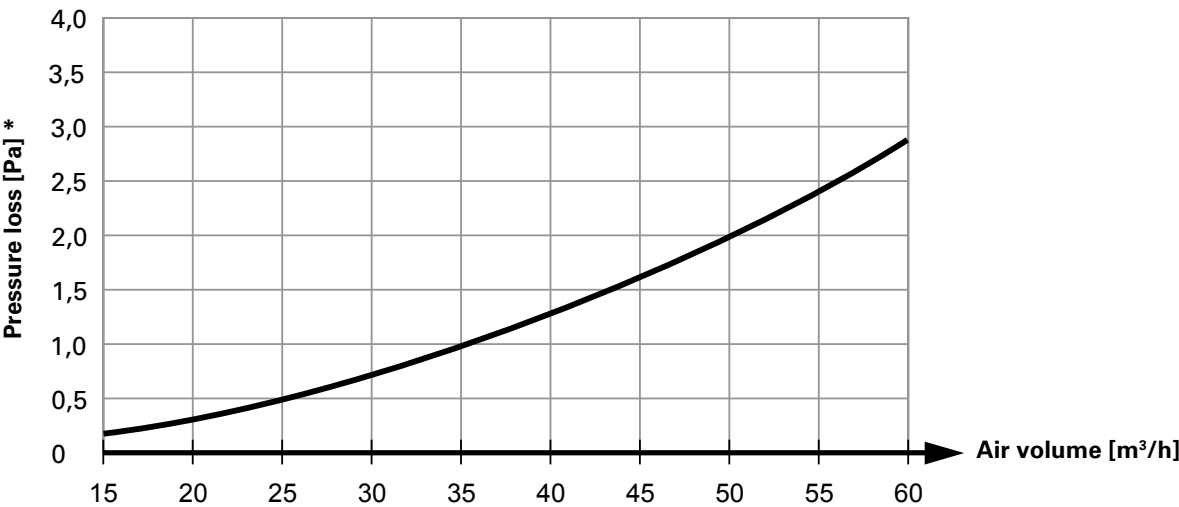
profi-air® tunnel elbow vertical 90°



Elbow 90° to redirect air flows vertically and in a flow-optimised manner.



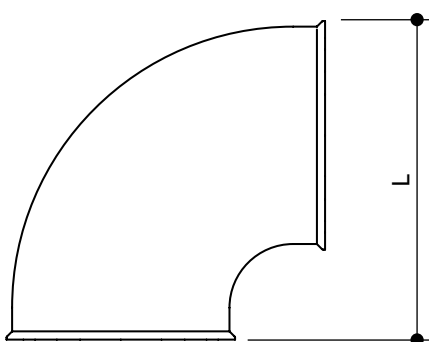
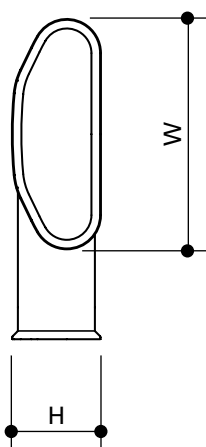
Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air tunnel elbow vertical 90°							
		L [mm]	W [mm]	H [mm]		[kg/pc.]	[pc.]
78313240	132 x 52 mm	87	132	52	PE-HD	0.06	1



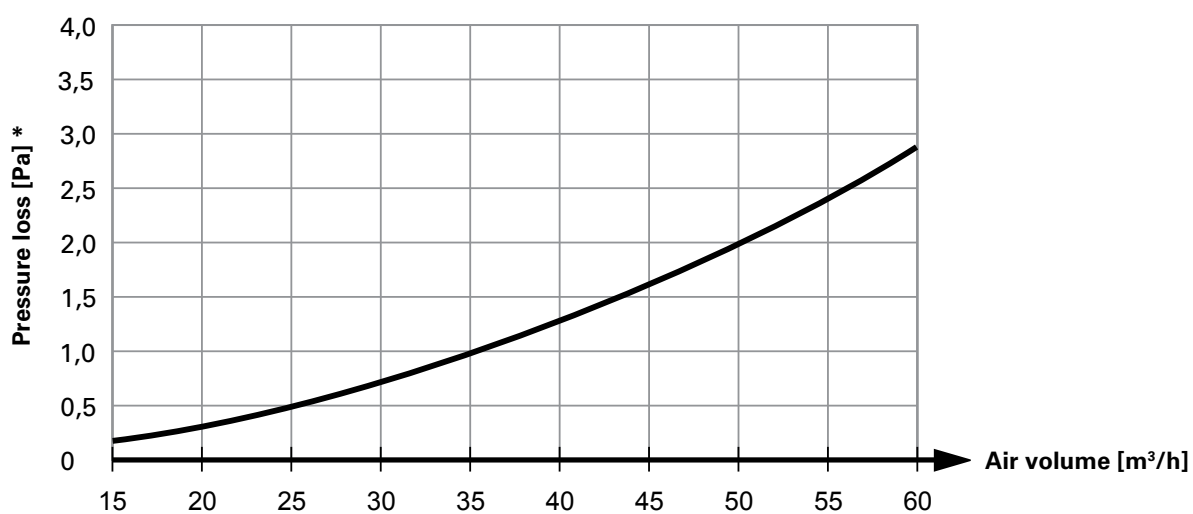
*Including profi-air sealing and connection element, cat. no.: 78313210

profi-air® tunnel elbow horizontal 90°

Elbow 90° to redirect air flows vertically and in a flow-optimised manner.



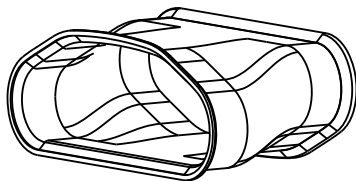
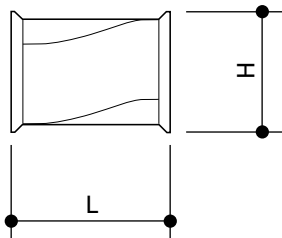
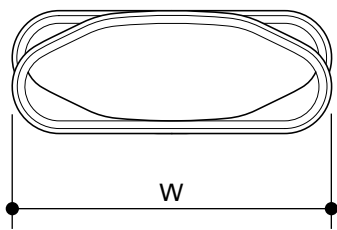
Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air tunnel elbow horizontal 90°							
		L [mm]	W [mm]	H [mm]		[kg/pc.]	[pc.]
78313241	132 x 52 mm	185	132	52	PE-HD	0.11	1



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

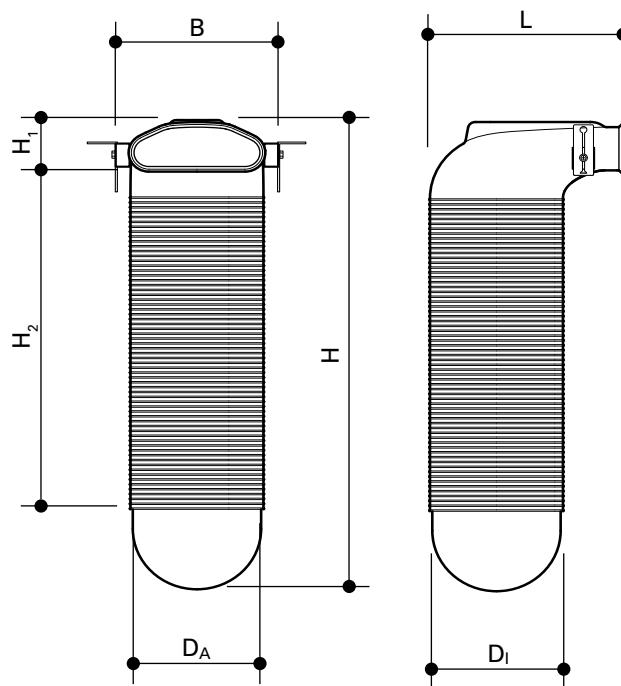
profi-air® tunnel rotary adaptor

Rotary adaptor for axial 180° rotation of the profi-air tunnel pipe.



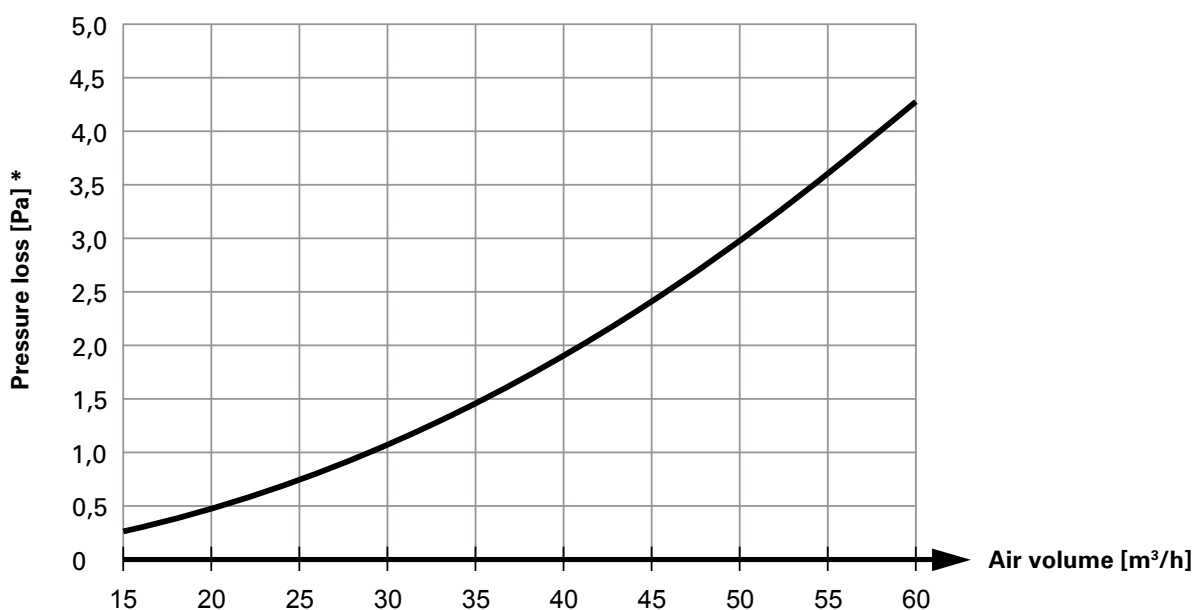
Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air tunnel rotary adaptor							
		L [mm]	W [mm]	H [mm]		[kg/pc.]	[pc.]
78313220	132 x 52 mm	67	133	51	PE-HD	0.04	1

profi-air® tunnel outlet 90° for valves



Outlet 90° housing to connect to a valve. Can be universally used for supply air or extract air. Optional filters for extract air are available. Can be installed in walls, floors or ceilings. Can be mounted by using mounting angles.

Cat. no.	Type	Dimensions					Material	Weight	Packing unit
profi-air tunnel outlet 90° for valves									
valve DN 125									
		D ₀	D ₁	L	W	H / H ₁ / H ₂			
		[mm]	[mm]	[mm]	[mm]	[mm]		[kg/pc.]	[pc.]
78313280	132 x 52 mm	133	125	189	160	483 / 52 / 345	PE-HD	0.42	1

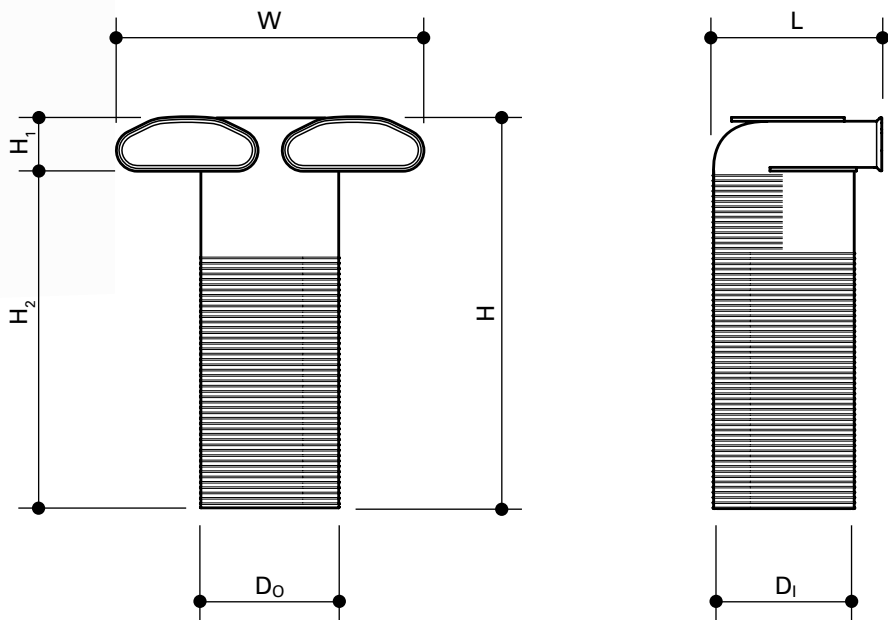


*Including profi-air sealing and connection element, cat. no.: 78313210

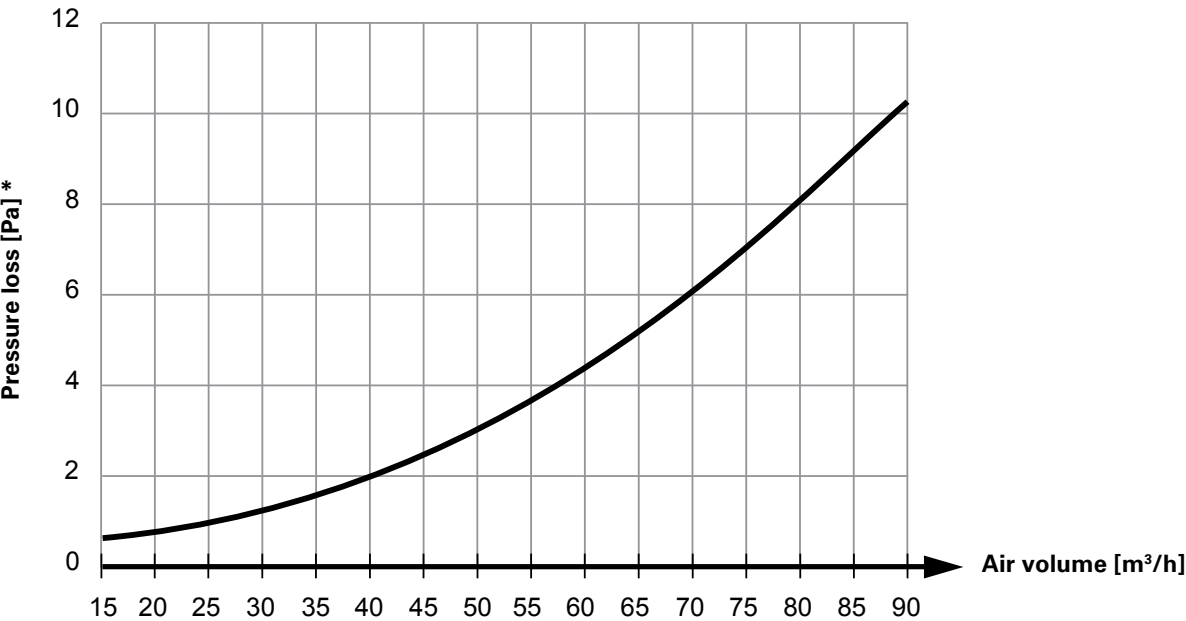
profi-air® tunnel outlet 90° for valves



Outlet 90° housing to connect to a valve. Can be universally used for supply air or extract air. Optional filters for extract air are available. Can be installed in walls, floors or ceilings. Can be mounted by using fastening lugs.



Cat. no.	Type	Dimensions					Material	Weight	Packing unit
profi-air tunnel outlet 90° for valves valve DN 125									
		D _O	D _I	L	W	H / H ₁ / H ₂			
		[mm]	[mm]	[mm]	[mm]	[mm]		[kg/pc.]	[pc.]
78313282	2 x 132 x 52 mm	133	125	158	290	373/52/321	PE-HD	0.38	1

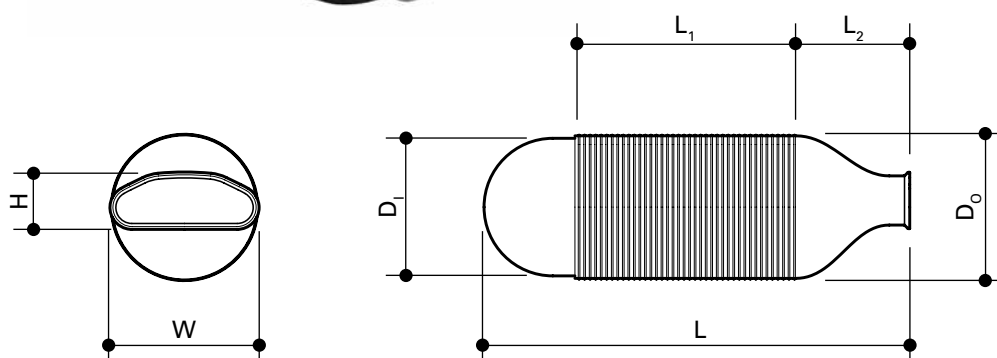


*Including profi-air sealing and connection element, cat. no.: 78313210

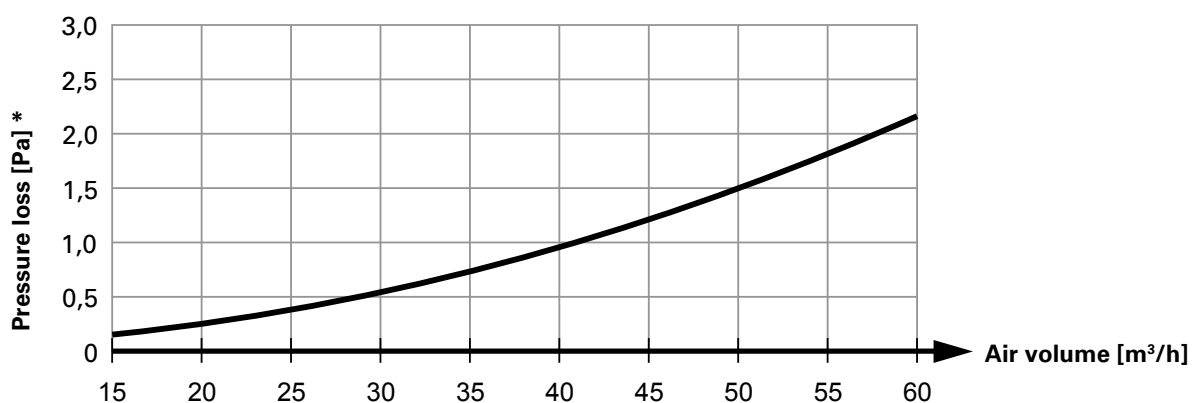
profi-air® tunnel outlet straight for valves



Outlet straight housing to connect to a valve. Can be universally used for supply air or extract air. Optional filters for extract air are available. Can be installed in walls or ceilings.



Cat. no.	Type	Dimensions					Material	Weight	Packing unit
profi-air tunnel outlet straight for valves									
valve DN 125									
		D ₀	D _I	L / L ₁ / L ₂	W	H		[kg/pc.]	[pc.]
		[mm]	[mm]	[mm]	[mm]	[mm]			
78313281	132 x 52 mm	133	125	385/195/103	132	52	PE-HD	0.29	1

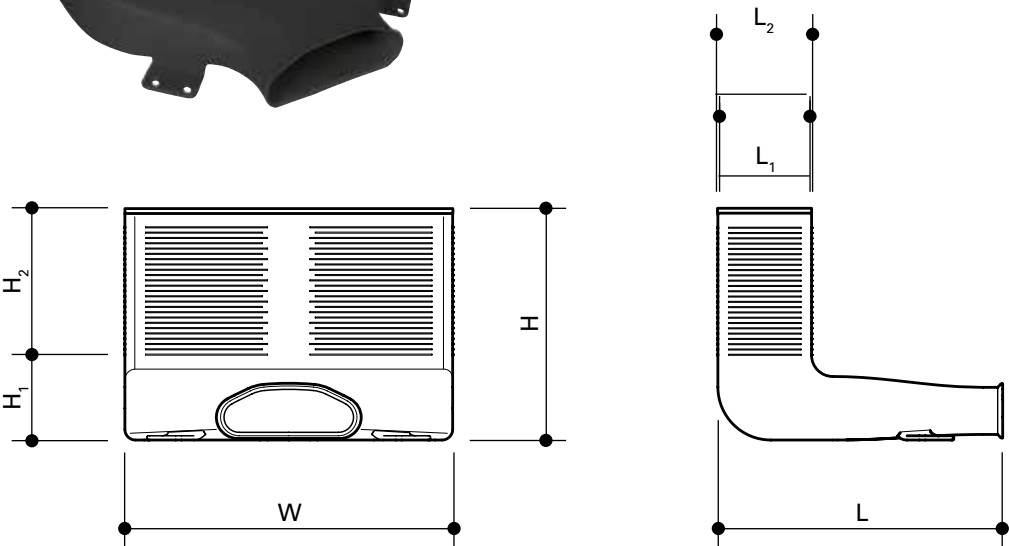


*Including profi-air sealing and connection element, cat. no.: 78313210

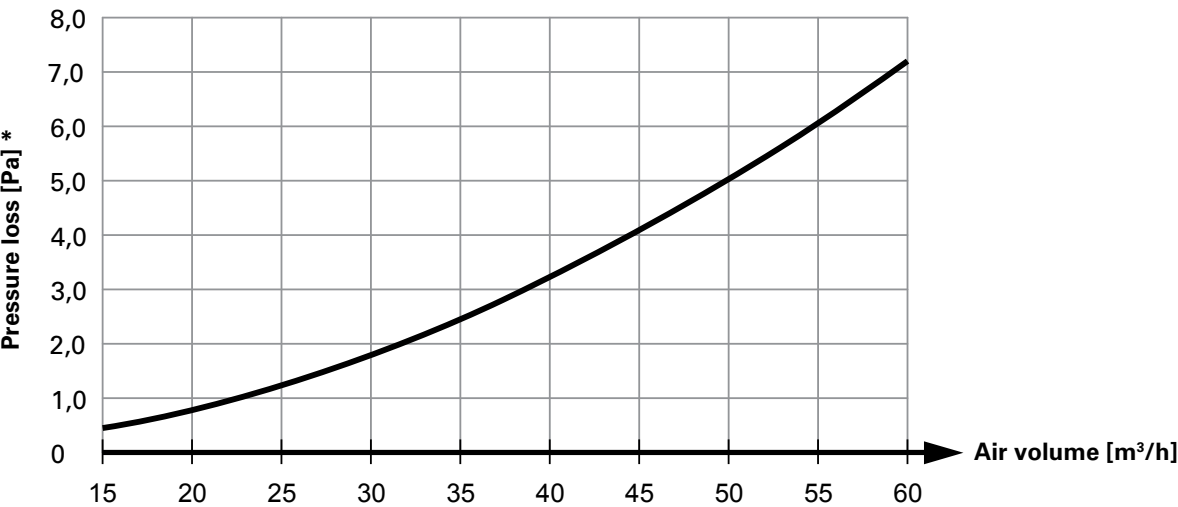
profi-air® tunnel outlet 90° for profi-air grills



Outlet 90° housing for cover grills. Can be universally used for supply air or extract air. Can be installed in walls or floors. Can be mounted by using fastening lugs (5 mm drill hole diameter).



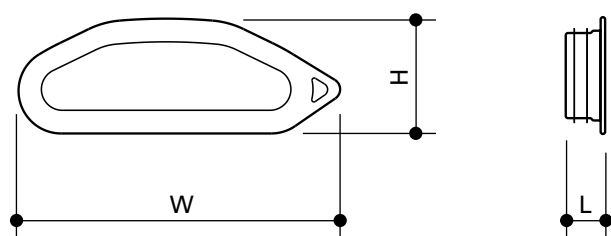
Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air tunnel outlet 90° for profi-air grills							
Grill connection 84.5 x 305 mm							
		L / L ₁ / L ₂ [mm]	W [mm]	H / H ₁ / H ₂ [mm]		[kg/pc.]	[pc.]
78313285	132 x 52 mm	269 / 89 / 85	309	254 / 80 / 174	PE-HD	0.60	1



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

profi-air® tunnel plug

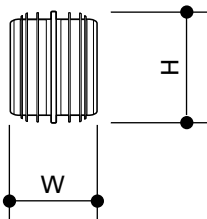
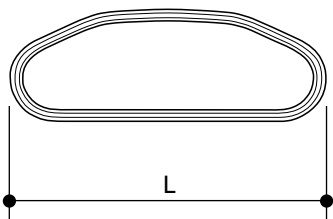
Plug for a hygienic sealing of profi-air tunnel pipes.



Cat. no.	Type	Dimensions			Material	Weight	Packing unit
	profi-air tunnel plug						
		L [mm]	W [mm]	H [mm]		[kg/pc.]	[pc.]
78313270	132 x 52 mm	17	133	53	PP	0.02	5

profi-air® tunnel sealing and connection element

Plastic sealing and connection element with integrated sealing surface to connect profi-air tunnel pipe / pipe; pipe / fitting; fitting / fitting.



Cat. no.	Type	Dimensions			Material	Weight	Packing unit
		L	W	H			
	profi-air tunnel sealing and connection element	[mm]	[mm]	[mm]		[kg/pc.]	[pc.]
78313210	132 x 52 mm	127	35	49	PP	0.02	10

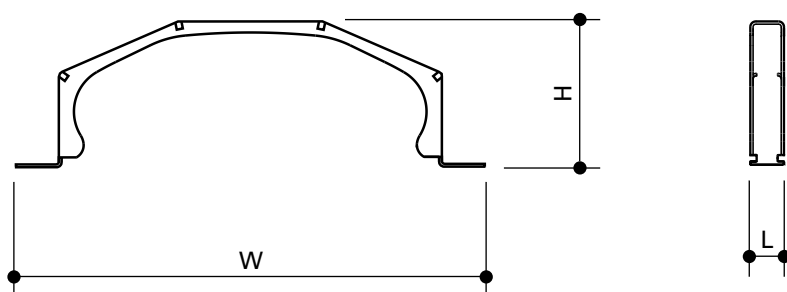
profi-air® tunnel fixing clamp



Metal fixing clamp for clamping profi-air tunnel connections:

- pipe / pipe
- pipe / fitting
- fitting / fitting

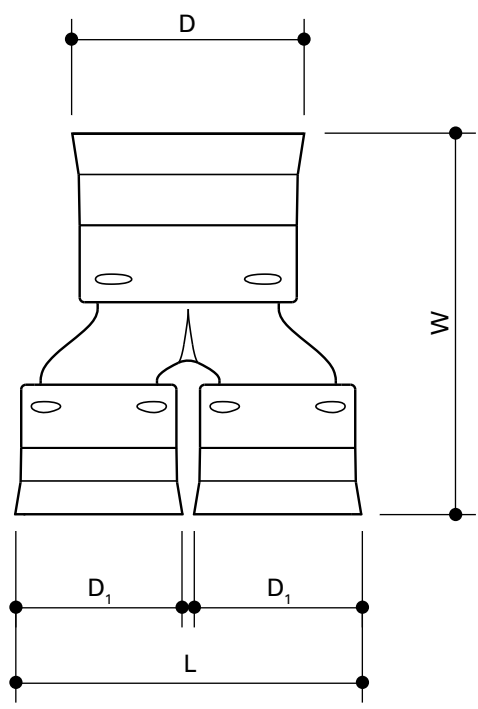
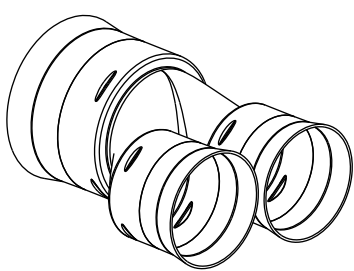
Integrated retaining brackets with a 6.0 mm drill hole each enable fixing.



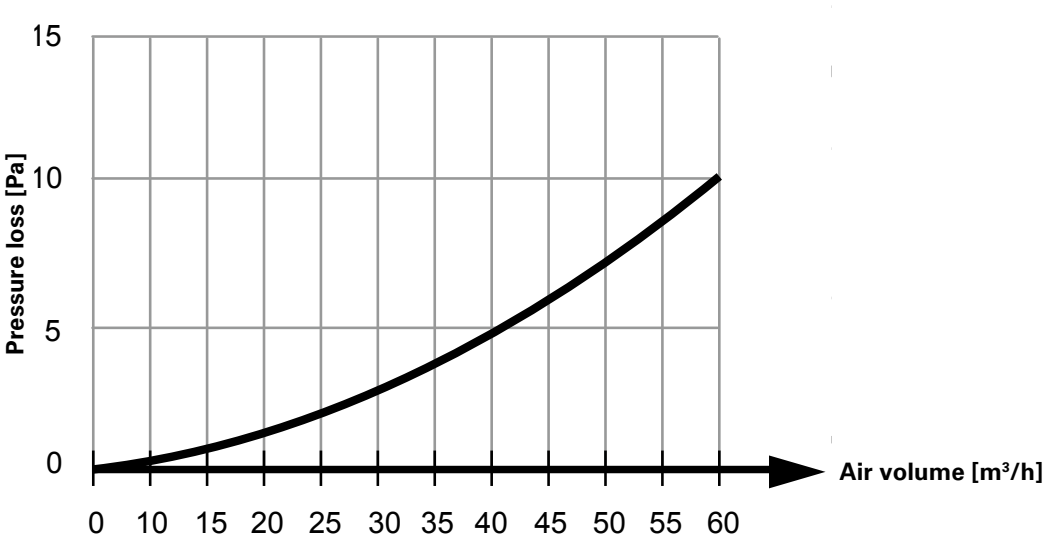
Cat. no.	Type	Dimensions			Material	Weight	Packing unit
		L	W	H			
	profi-air fixing clamp	[mm]	[mm]	[mm]		[kg/pc.]	[pc.]
78313213	132 x 52 mm	12	167	51	Steel	0.03	10

profi-air® classic adaptor straight

Straight fitting to reduce profi-air classic from NW 90 to 2 x NW 63.



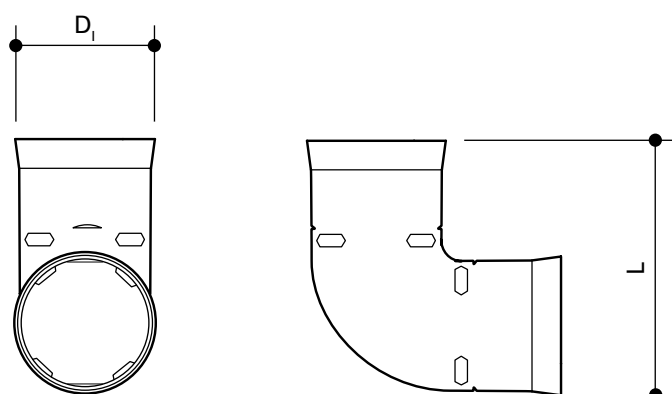
Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air classic adaptor straight							
profi-air classic to profi-air classic							
		D / D ₁ [mm]	L [mm]	W [mm]		[kg/pc.]	[pc.]
78390330	2 x NW 63 / NW 90	92 / 65	151	166	PE-HD	0.11	1



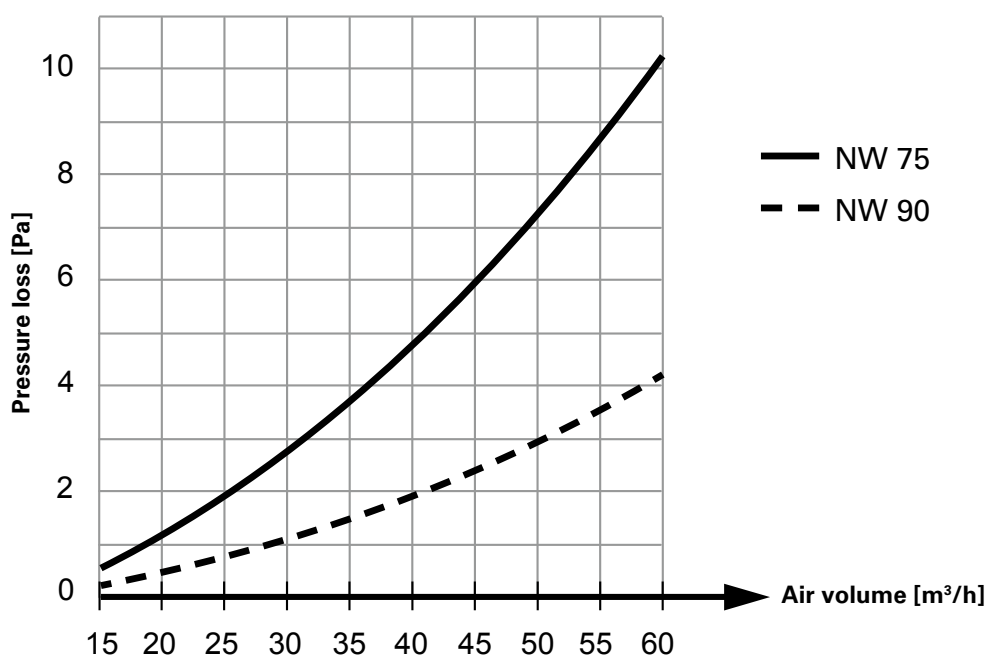
profi-air® classic elbow 90°



Elbow 90° to redirect air flow horizontally or vertically and to connect a profi-air classic pipe system without tension.



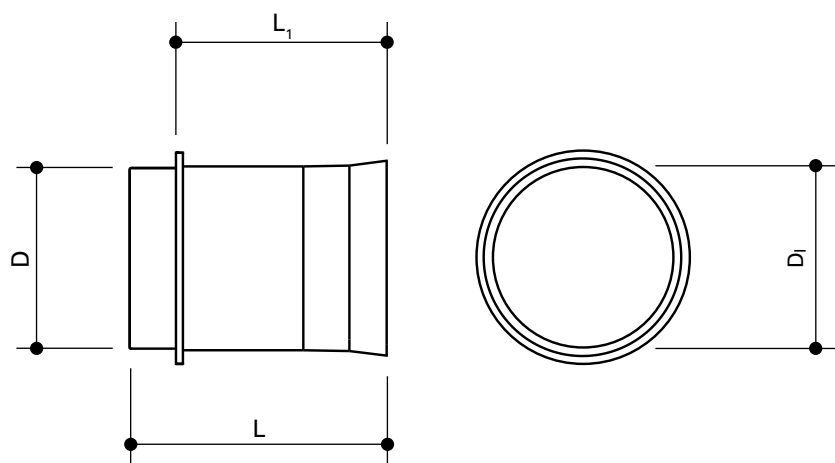
Cat. no.	Type	Dimensions		Material	Weight	Packing unit
profi-air classic elbow 90°						
		D ₁ [mm]	L [mm]		[kg/pc.]	[pc.]
78375340	NW 75	77	173	PE-HD	0.11	1
78390340	NW 90	92	197	PE-HD	0.15	1



profi-air® classic manifold coupling



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

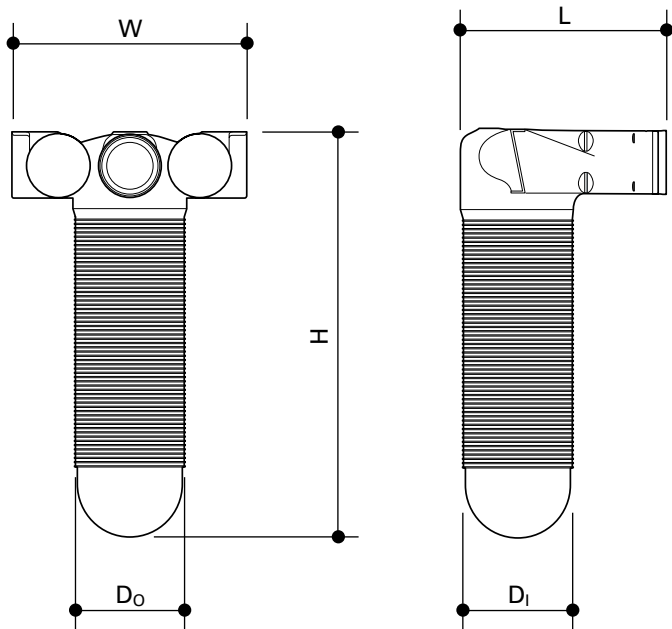


Cat. no.	Type	Dimensions		Material	Weight	Packing unit
profi-air classic manifold coupling						
		D / D _I [mm]	L / L _I [mm]		[kg/pc.]	[pc.]
78363320	NW 63	80 / 65	102 / 82	PP	0.04	1
78375320	NW 75	80 / 77	111 / 91	PP	0.04	1
78390320	NW 90	80 / 92	95 / 75	PP	0.05	1

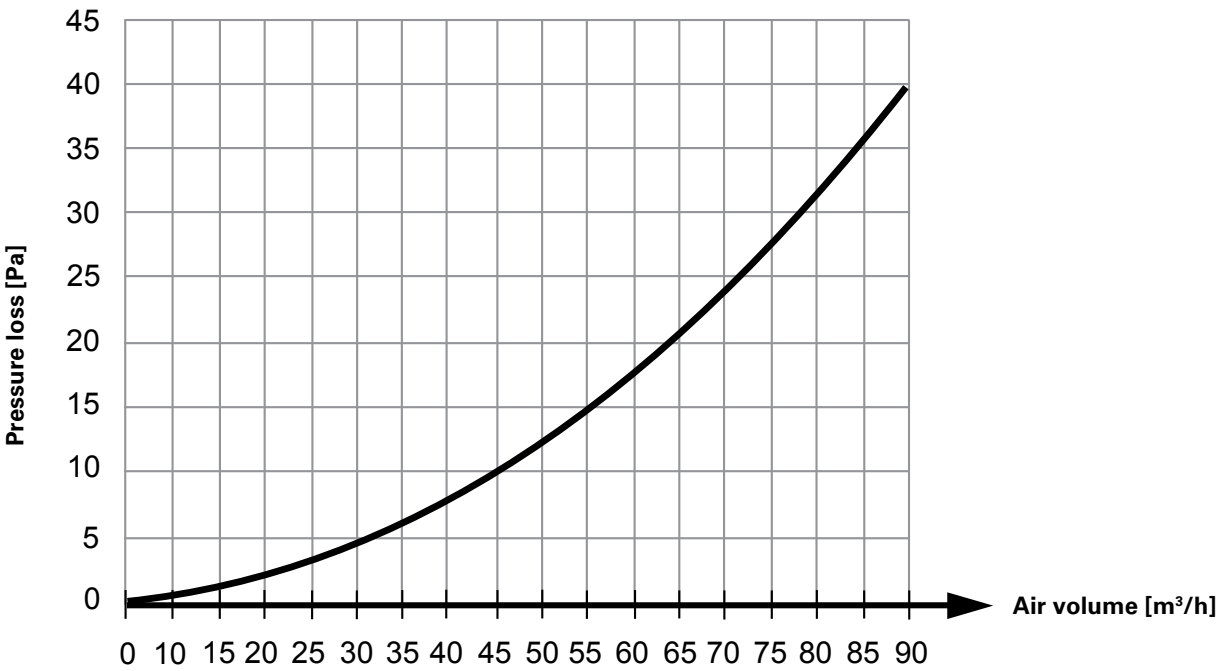
profi-air® classic outlet 90°



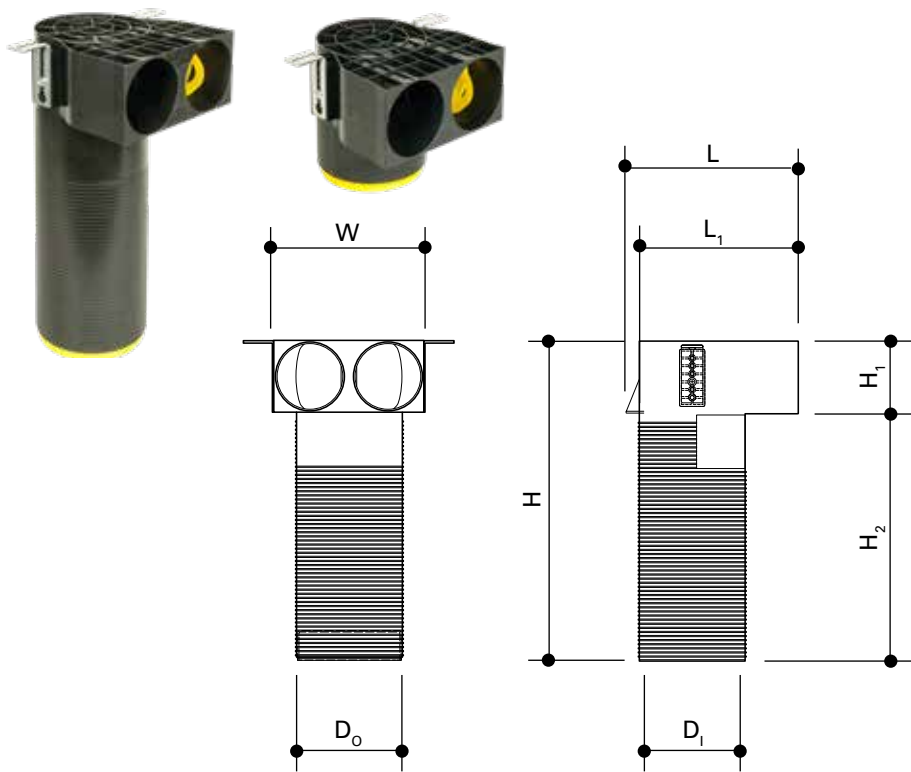
Outlet 90° housing to connect to a valve. Can be universally used for supply air or extract air. Can be installed in walls, floors or ceilings. Can be mounted by using integrated fastening lugs (6 mm drill hole diameter).



Cat. no.	Type	Dimensions					Material	Weight	Packing unit
profi-air classic outlet 90° valve DN 125									
		D _O [mm]	D _I [mm]	L [mm]	W [mm]	H [mm]		[kg/pc.]	[pc.]
78363380	3 x NW 63	133	125	240	251	467	PE-HD	0.57	1

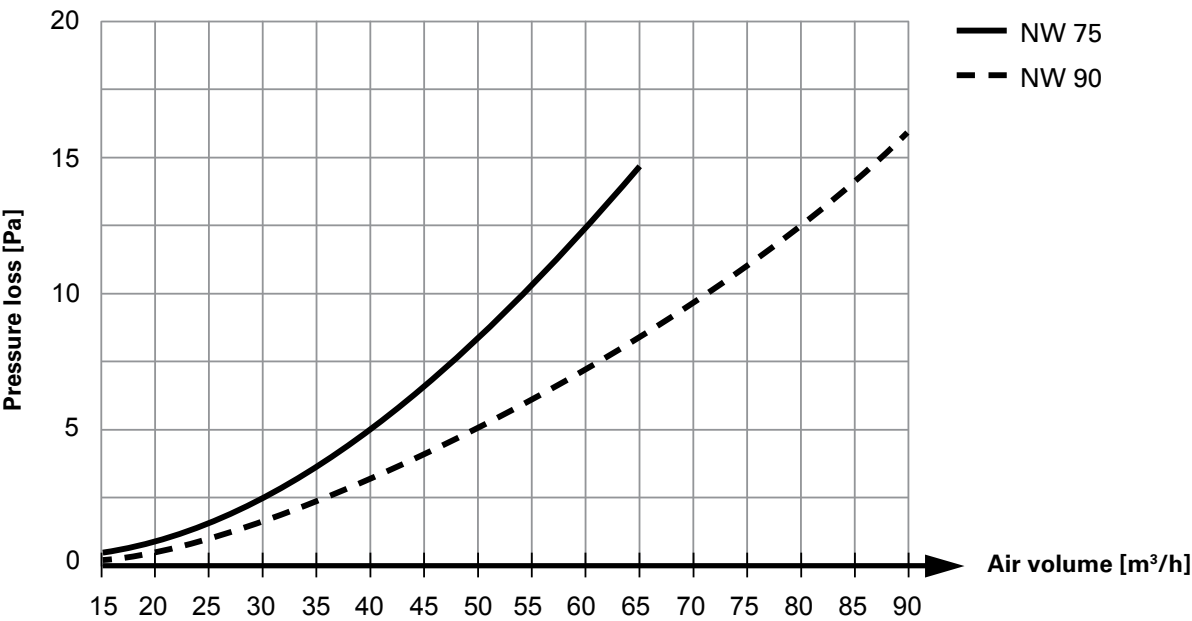


profi-air® classic outlet 90° plus



Outlet 90° housing 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 by using mounting angles. Available in short and long. Equipped with a flow-optimized DN 75 or DN 90 plug on one side. Valve connection sealed with an adjustable DN 125 outlet cap.

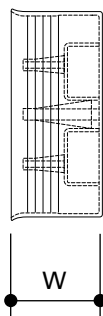
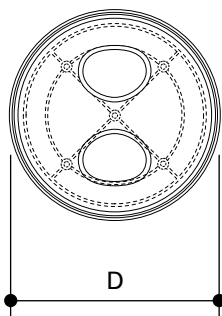
Cat. no.	Type	Dimensions					Material	Weight	Packing unit
profi-air classic outlet 90° plus									
		D ₀	D _I	L / L ₁	W	H / H ₁ / H ₂			
		[mm]	[mm]	[mm]	[mm]	[mm]		[kg/pc.]	[pc.]
78375381	2 x NW 75 / DN 125	130	125	191 / 205	180	383 / 86 / 297	PP	0.91	1
78375382	2 x NW 75 / DN 125 - short	130	125	191 / 205	180	150 / 86 / 64	PP	0.47	1
78390381	2x NW 90 / DN 125	130	125	197 / 210	211	400 / 103 / 297	PP	1.03	1
78390382	2 x NW 90 / DN 125 - short	130	125	197 / 210	211	167 / 103 / 64	PP	0.75	1



profi-air® classic concrete formwork lid plus / coupling



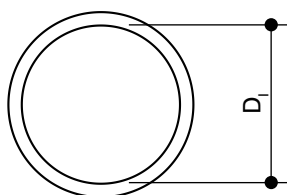
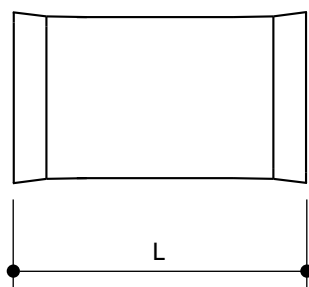
Concrete formwork lid to secure the profi-air outlet 90° plus in the in-situ concrete formwork coverings. Can be mounted by using two steel nails included with the delivery.



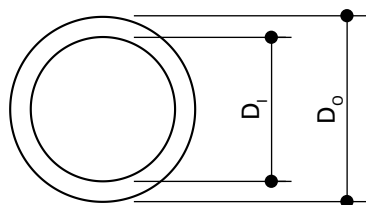
Cat. no.	Type	Dimensions		Material	Weight	Packing unit
	profi-air classic concrete formwork lid plus					
		D [mm]	W [mm]		[kg/pc.]	[pc.]
78300081	DN 125	136	60	PS	0.13	1



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

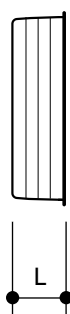
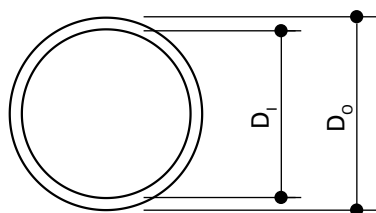


Cat. no.	Type	Dimensions		Material	Weight	Packing unit
	profi-air classic coupling					
		D ₁ [mm]	L [mm]		[kg/pc.]	[pc.]
78363310	NW 63	65	110	PE	0.04	1
78375310	NW 75	77	130	PE	0.04	1
78390310	NW 90	92	148	PE	0.08	1



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

Cat. no.	Type	Dimensions		Material	Weight	Packing unit
profi-air classic O-ring						
		D _O [mm]	D _I [mm]		[kg/pc.]	[pc.]
78363375	NW 63	65	49	EPDM	0.002	10
78375375	NW 75	76	59	EPDM	0.003	10
78390375	NW 90	90	73	EPDM	0.004	10



Plastic plugs to seal profi-air classic pipes.

Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air classic plug							
		D _o [mm]	D _i [mm]	L [mm]		[kg/pc.]	[pc.]
78363370	NW 63	61	50	12	Plastic	0.007	5
78375370	NW 75	71	54	31	Plastic	0.010	5
78390370	NW 90	86	76	18	Plastic	0.015	5

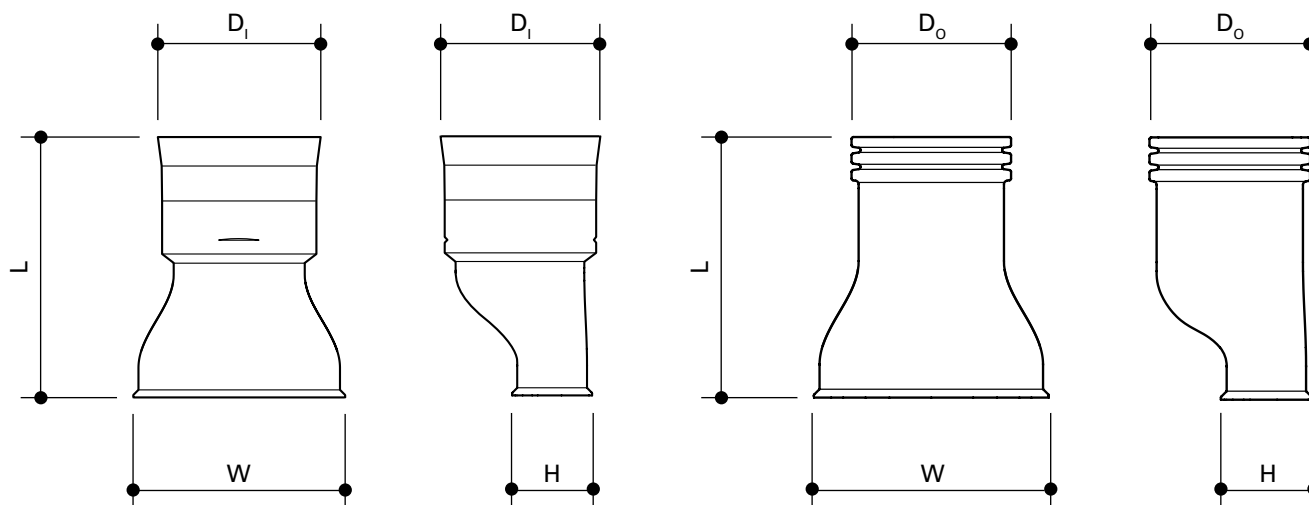
profi-air® adaptor straight

Straight fitting to connect profi-air tunnel pipes and fittings to profi-air classic fittings.

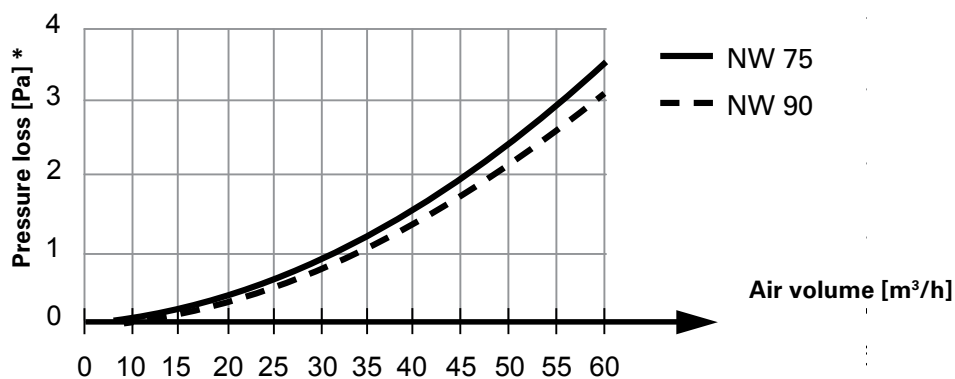


78313223 / 78313224

78313225



Cat. no.	Type	Dimensions					Material	Weight	Packing unit
profi-air adaptor straight profi-air classic to profi-air tunnel									
		D _o [mm]	D _i [mm]	L [mm]	W [mm]	H [mm]		[kg/pc.]	[pc.]
78313223	132 x 52 mm / NW 75	-	77	162	132	52	PE-HD	0.09	1
78313224	132 x 52 mm / NW 90	-	92	162	132	52	PE-HD	0.09	1
78313225	132 x 52 mm / NW 90	91	-	147	132	52	PE-HD	0.09	1

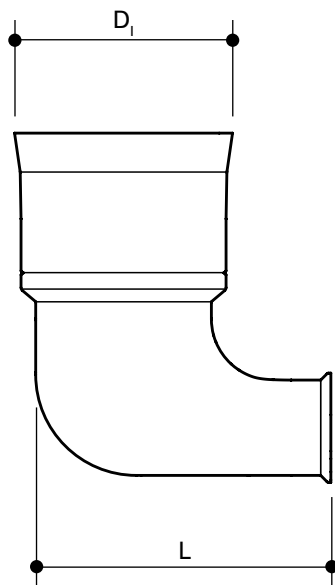
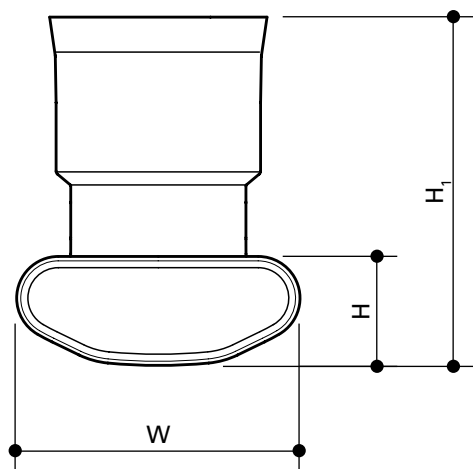


*Including profi-air sealing and connection element, cat. no.: 78313210

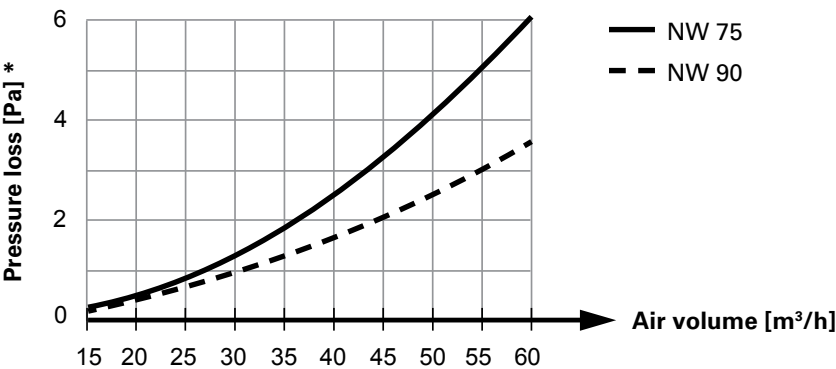
profi-air® adaptor elbow 90°



Straight fitting 90° to connect profi-air tunnel pipes and fittings to profi-air classic fittings.

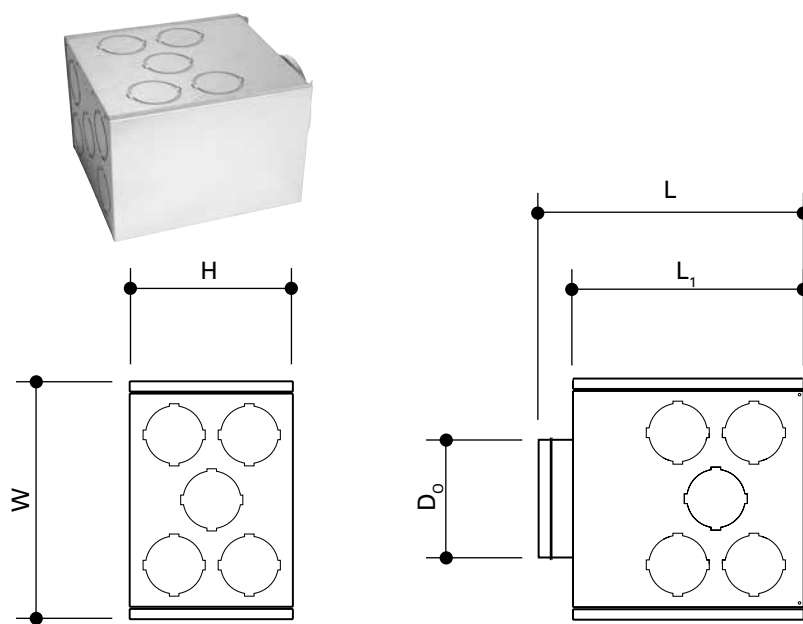


Cat. no.	Type	Dimensions				Material	Weight	Packing unit
profi-air adaptor elbow 90° profi-air classic to profi-air tunnel								
		D _i [mm]	L [mm]	W [mm]	H / H ₁ [mm]		[kg/pc.]	[pc.]
78313226	132 x 52 mm / NW 75	77	138	132	52 / 147	PE-HD	0.11	1
78313227	132 x 52 mm / NW 90	92	148	132	52 / 163	PE-HD	0.13	1



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

profi-air® classic plus manifold



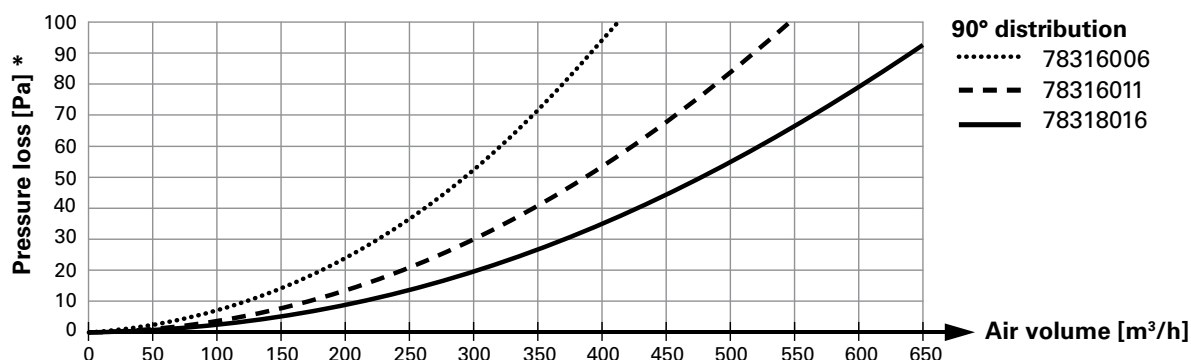
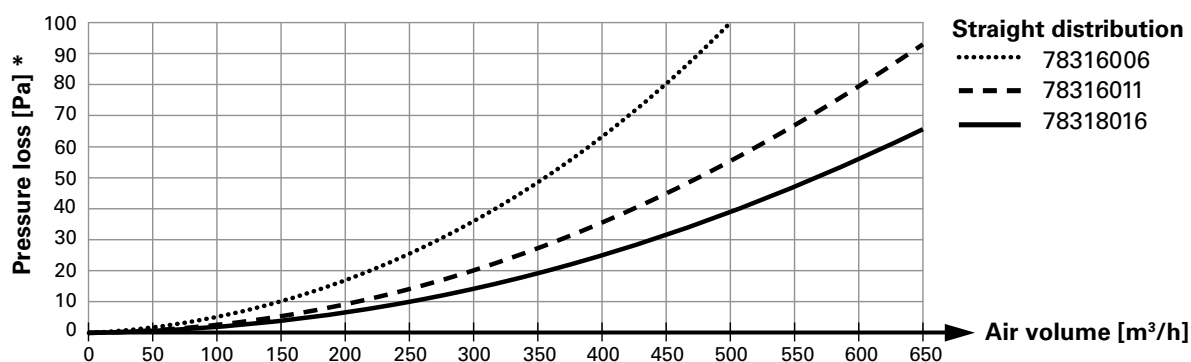
Distribution box for supply air or extract air with interior sound insulation lining, including mounting angles. The manifold can be used as a straight or 90° manifold. Two lateral inspection openings serve for inspection and cleaning. Constant airflow regulators or classic regulators can be optionally used in manifold outlets.

Can be used in combination with profi-air classic pipe NW 63 / NW 75 / NW 90.

Permissible airflow rates:

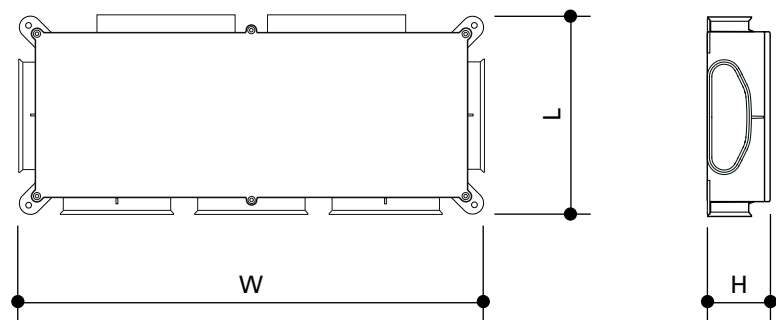
- 78316006 = max. 225 m³/h
- 78316011 = max. 360 m³/h
- 78318016 = max. 450 m³/h

Cat. no.	Type	Dimensions				Material	Weight	Packing unit
profi-air classic plus manifold can be used as straight or 90° manifold								
		D _o [mm]	L / L ₁ [mm]	W [mm]	H [mm]		[kg/pc.]	[pc.]
78316006	Manifold, 5-fold DN 160	160	365 / 325	300	225	Steel	4.60	1
78316011	Manifold, 10-fold DN 160	160	365 / 325	600	225	Steel	6.80	1
78318016	Manifold, 15-fold DN 180	180	465 / 425	535	330	Steel	9.10	1



*Including profi-air classic manifold coupling, cat. no. 78363320, cat. no. 78375320 and cat. no. 78390320

profi-air® tunnel / Ovalekanal manifold flat

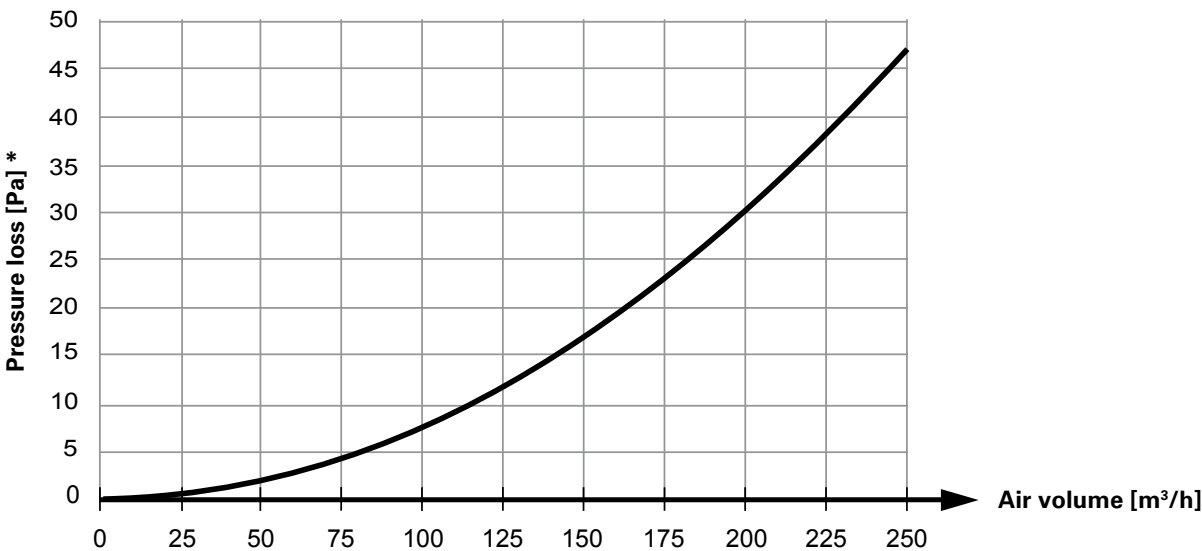


Distribution box for supply air or extract air, including four fastening lugs and an inspection opening for inspection and cleaning.

Permissible airflow rates when connected to:

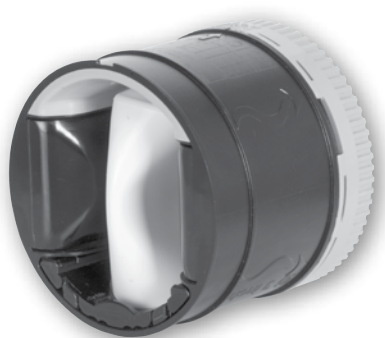
- 78316425 = max. 165 m³/h
- 78316424 = max. 225 m³/h
- 78316424 = max. 330 m³/h (2 manifolds in parallel)

Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air tunnel / Ovulkanal manifold flat							
		L [mm]	W [mm]	H [mm]		[kg/pc.]	[pc.]
78313005	Flat manifold	234	553	74	PS	1.00	1



*Including profi-air tunnel sealing and connection element, cat. no. 78313210

profi-air® classic constant airflow regulator

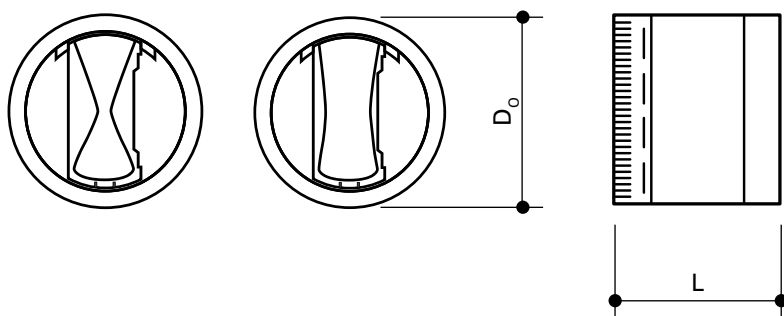


Self-regulating constant airflow regulator for the profi-air classic plus manifold, with a wear-free control element in a plastic housing to be directly installed in the profi-air classic manifold coupling. Automatic, maintenance-free airflow regulation independent from the position, no auxiliary energy needed.

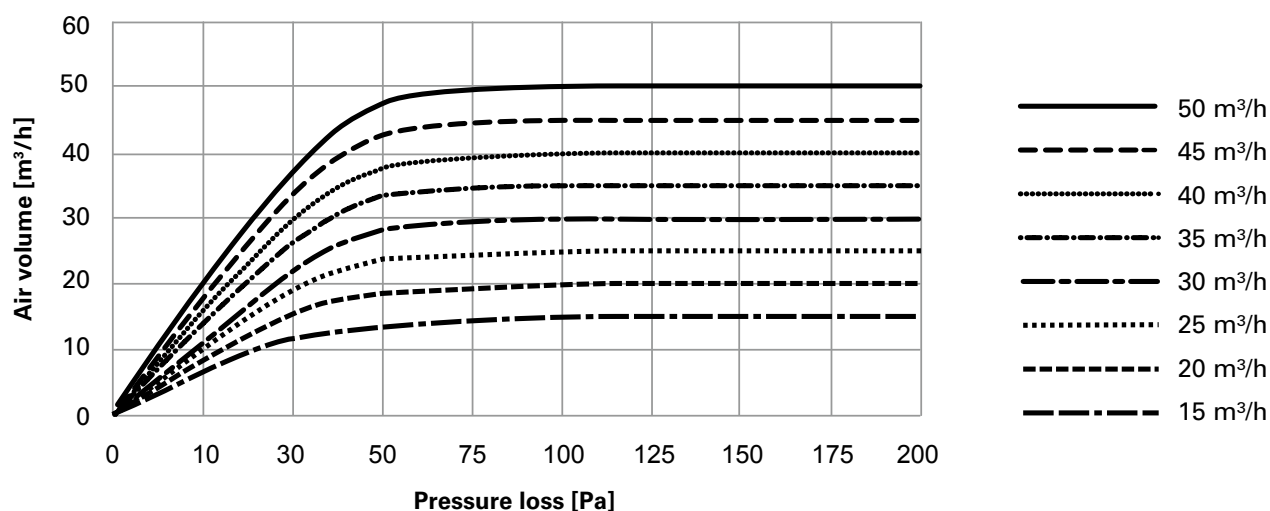
Compatible with:
78363320 / 78375320 / 78390320

Setting range:
■ 78300015 = 15 m³/h static
■ 78300002 = 20-50 m³/h variable

Tolerance value: +/- 5 m³/h



Cat. no.	Type	Dimensions		Material	Weight	Packing unit
profi-air classic constant airflow regulator						
		D _o [mm]	L [mm]		[kg/pc.]	[pc.]
78300015	15 m³/h	80	54	PP / silicone	0.15	1
78300002	20–50 m³/h adjustable	80	75	PP / silicone	0.15	1

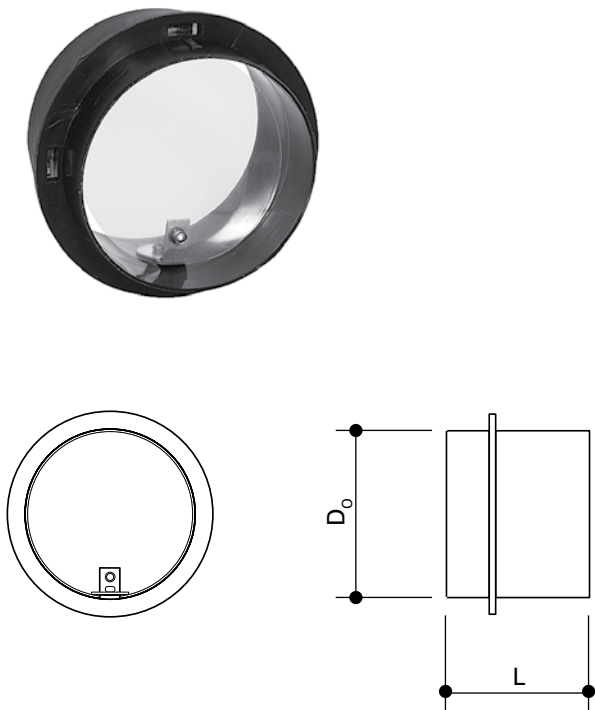


profi-air® classic constant airflow booster

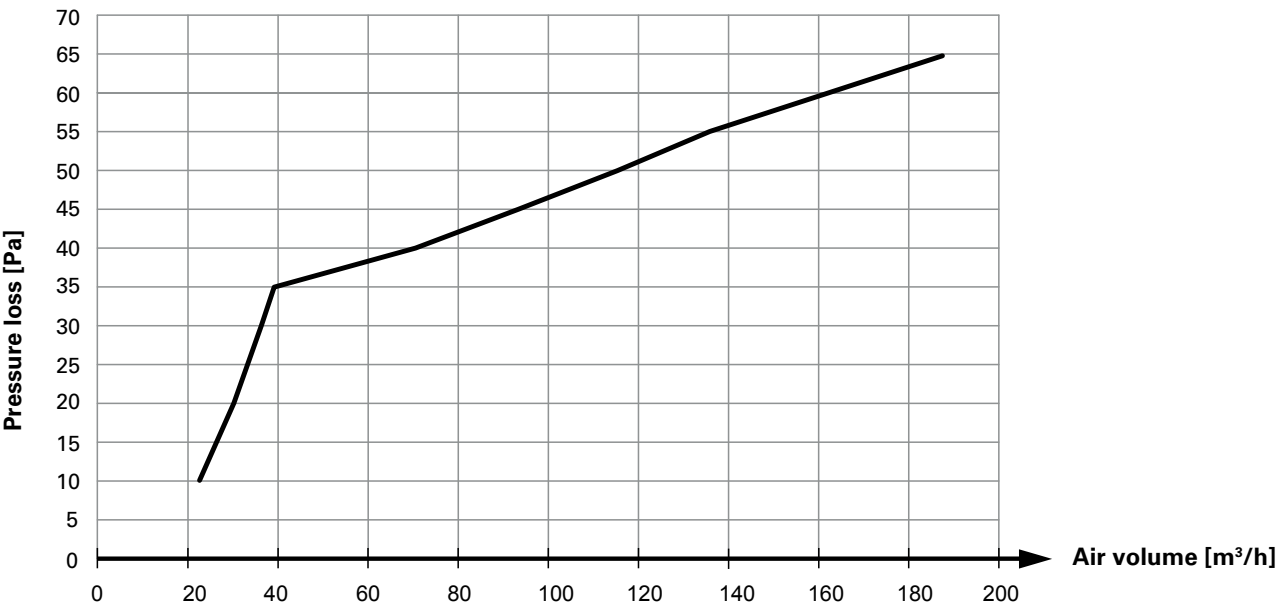
Constant airflow booster for the profi-air classic plus manifold, when intensive ventilation is needed. The constant airflow booster enables higher airflow rates in predefined rooms. It is always to be used for supply air and extract air.

Recommended in:
living rooms and kitchens

Compatible with:
78363320, 78375320, 78390320



Cat. no.	Type	Dimensions		Material	Weight	Packing unit
profi-air classic constant airflow booster						
		D _o [mm]	L [mm]		[kg/pc.]	[pc.]
78300001	Ø 80 mm	80	54	PP	0.10	1

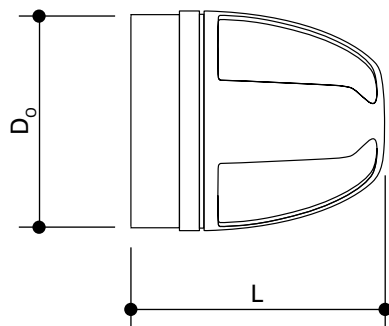
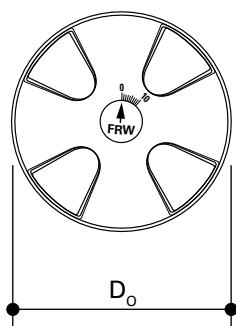


profi-air® classic regulator



Regulating element for manual air volume control in combination with the profi-air classic plus manifold, to be directly installed in the profi-air classic manifold coupling.

Compatible with:
78363320 / 78375320 / 78390320

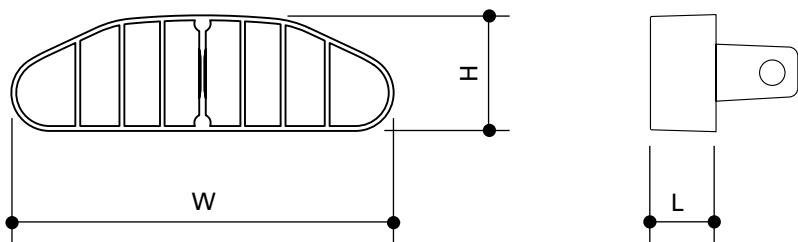


Cat. no.	Type	Dimensions			Material	Weight	Packing unit
	profi-air classic regulator						
		D _o [mm]	L [mm]	H [mm]		[kg/pc.]	[pc.]
78300005	Ø 80 mm	80	91	78	PP	0.10	1

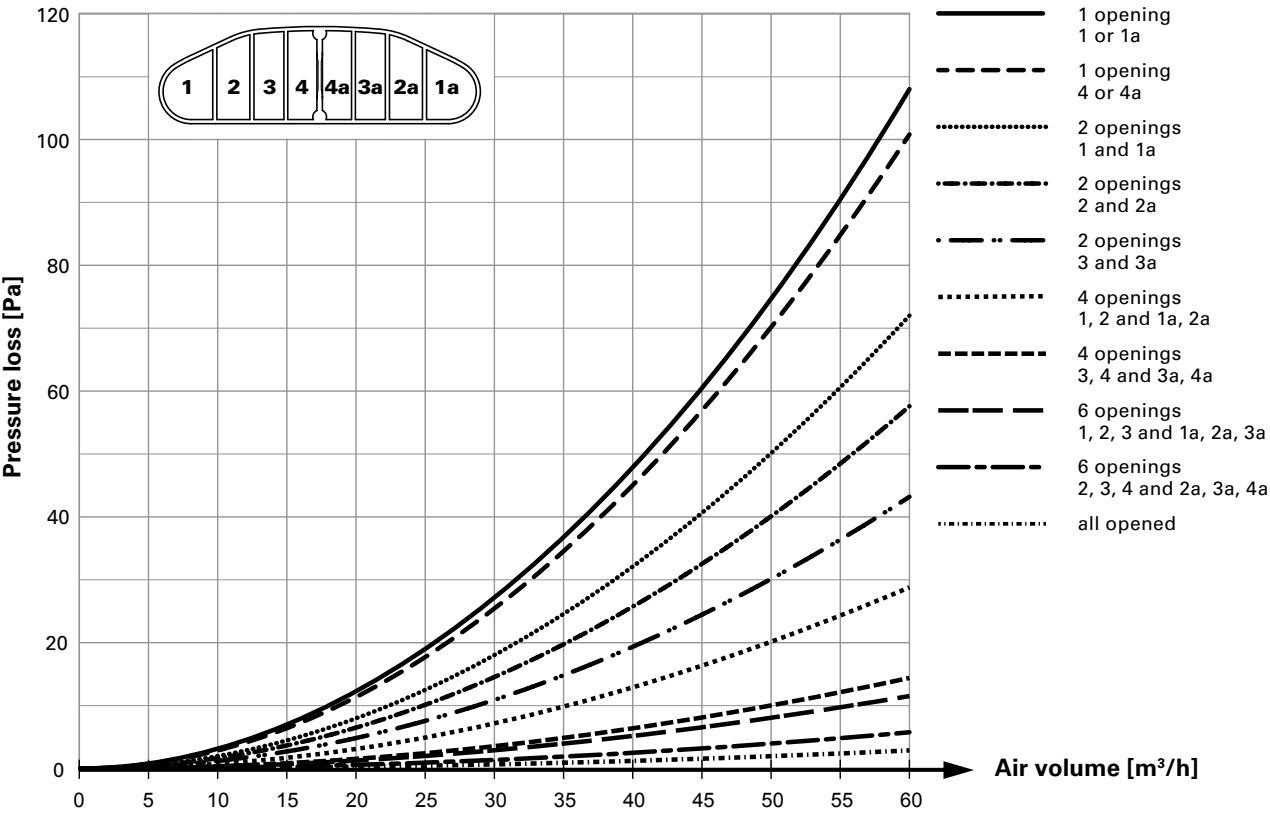
profi-air® tunnel airflow restrictor

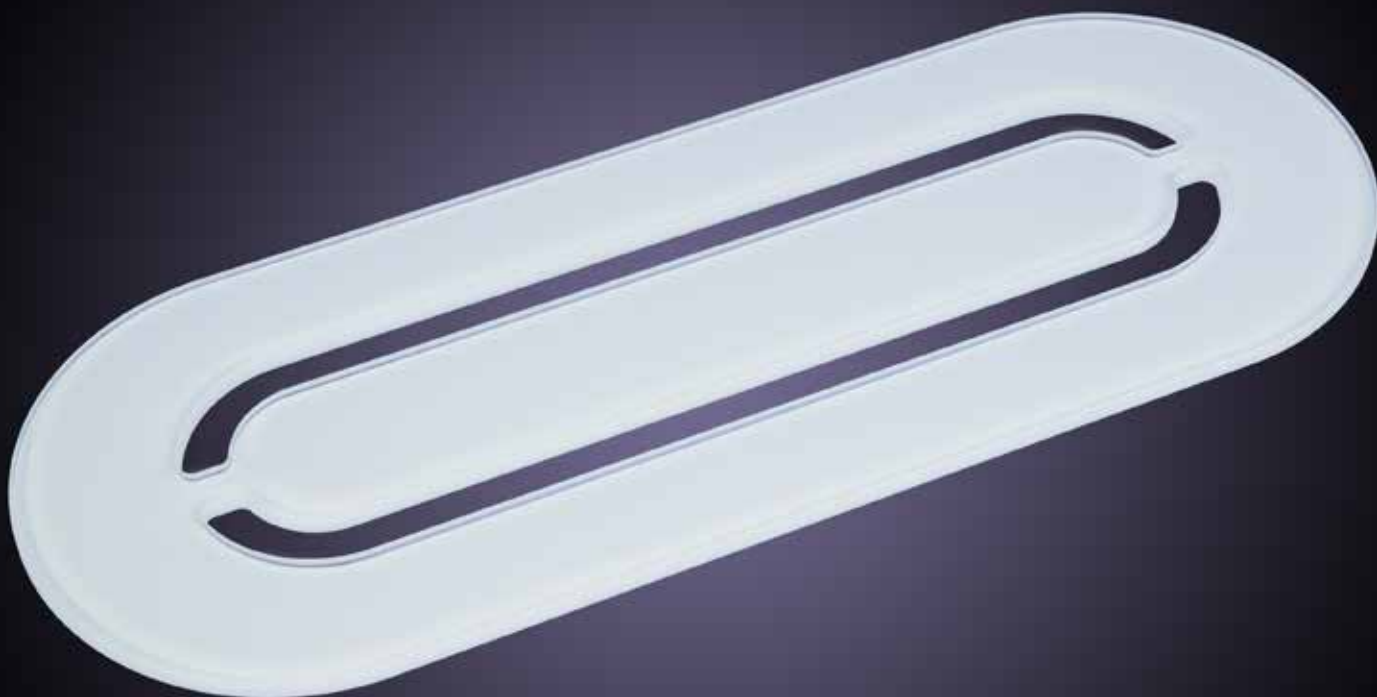


Regulating element to compensate for the pressure loss in the air distribution system. The regulating element can be installed in the profi-air tunnel sealing and connection element.



Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air tunnel airflow restrictor							
		L [mm]	W [mm]	H [mm]		[kg/pc.]	[pc.]
78313299	132 x 52 mm	20	117	35.4	PS	0.01	1

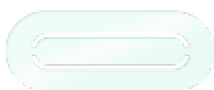




starline® design grills

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

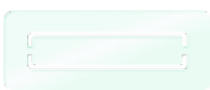
starline® design grills



SHAPE STYLE,
Glass White Pure



SHAPE CIRCLE,
Glass White Pure



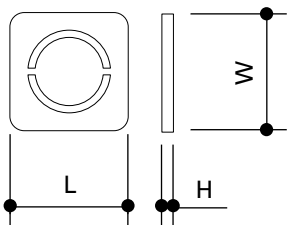
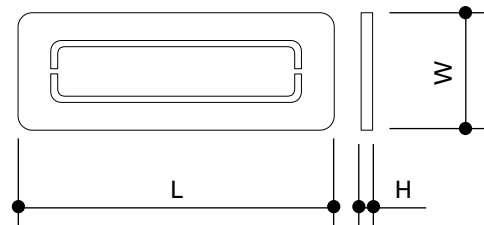
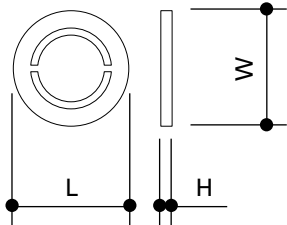
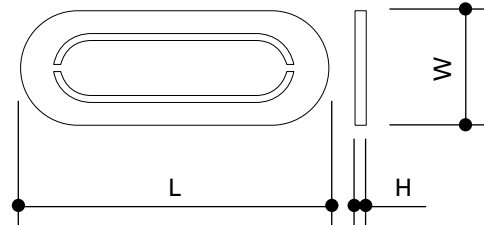
SHAPE BUSINESS,
Glass White Pure



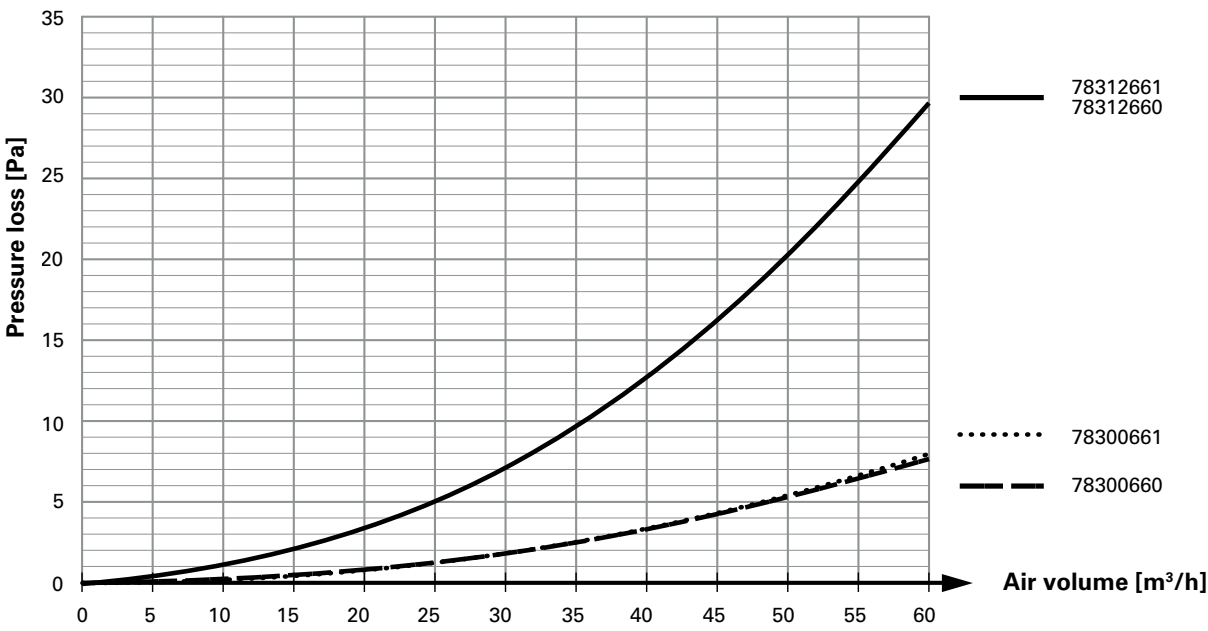
SHAPE COMPACT,
Glass White Pure

Glass design grill for supply air or extract air, including magnetic fixing. For use in combination with the profi-air mounting frame and/or the profi-air mounting frame compact. The design grills are suitable for use in profi-air tunnel outlets 90° and all profi-air classic outlets Ø 125 mm. Suited for wall and ceiling installations.

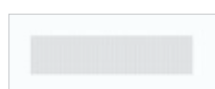
Note:
SHAPE COMPACT / SHAPE CIRCLE can be used as extract air grills only.



Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air supply air / extract air ventilation grill wall / ceiling							
		L [mm]	W [mm]	H [mm]		[kg/pc.]	[pc.]
78300661	SHAPE STYLE	350	130	6	Glass, White Pure	0.53	1
78312661	SHAPE CYRCLE*	Ø160	Ø160	6	Glass, White Pure	0.30	1
78300660	SHAPE BUSINESS	350	130	6	Glass, White Pure	0.53	1
78312660	SHAPE COMPACT*	160	160	6	Glass, White Pure	0.30	1
*extract air only							



starline® design grills



LINE, white



LINE COMPACT, white



PYRAMID, white



PYRAMID COMPACT, white



LINE, stainless steel



LINE COMPACT, stainless steel

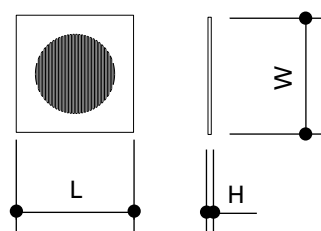
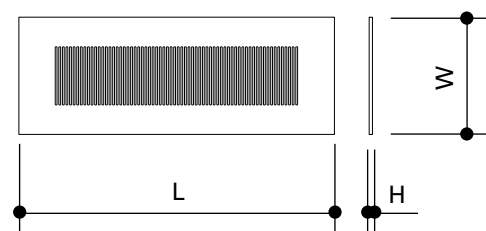


PYRAMID, rust bronze

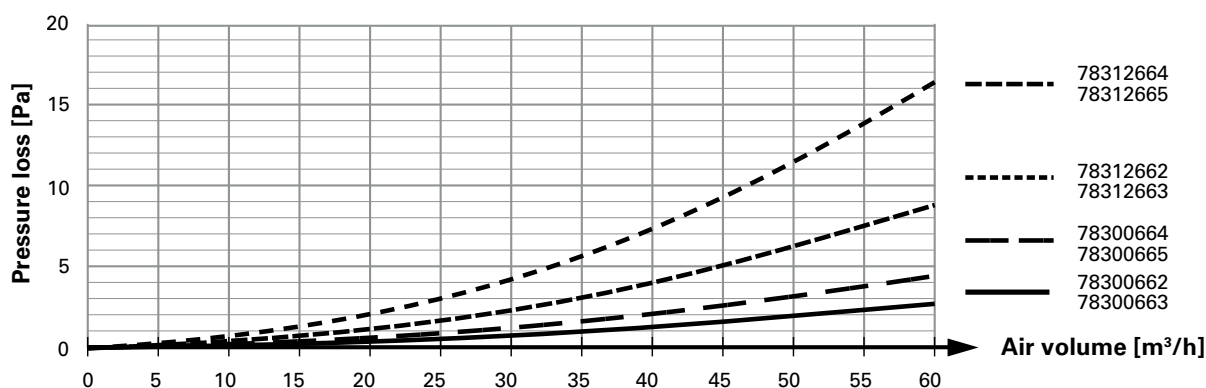


PYRAMID COMPACT, rust bronze

Metal design grill for supply air or extract air, including magnetic fixing. For use in combination with the profi-air mounting frame and/or the profi-air mounting frame compact. The design grills are suitable for use in profi-air tunnel outlets 90° and all profi-air classic outlets Ø 125 mm. Suited for wall and ceiling installations.



Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air supply air / extract air ventilation grill wall / ceiling							
		L	W	H			
		[mm]	[mm]	[mm]		[kg/pc.]	[pc.]
78300662	LINE, white	350	130	1.5	Steel plate, white (RAL 9016)	0.47	1
78312662	LINE COMPACT, white	160	160	1.5	Steel plate, white (RAL 9016)	0.26	1
78300663	LINE, stainless steel	350	130	1.5	Ground stainless steel	0.47	1
78312663	LINE COMPACT, stainless steel	160	160	1.5	Ground stainless steel	0.26	1
78300664	PYRAMID, white	350	130	1.5	Steel plate, white (RAL 9016)	0.47	1
78312664	PYRAMID COMPACT, white	160	160	1.5	Steel plate, white (RAL 9016)	0.26	1
78300665	PYRAMID, rust bronze	350	130	1.5	Steel plate, dark bronze	0.47	1
78312665	PYRAMID COMPACT, rust bronze	160	160	1.5	Steel plate, dark bronze	0.26	1



starline® design grills



AVANTGARDE, white



AVANTGARDE COMPACT, white



FLORA, white



FLORA COMPACT, white



AVANTGARDE, stainless steel



AVANTGARDE COMPACT, stainless steel

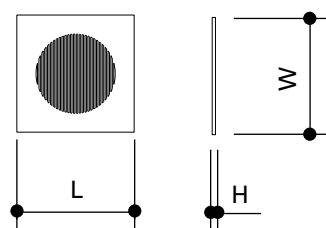
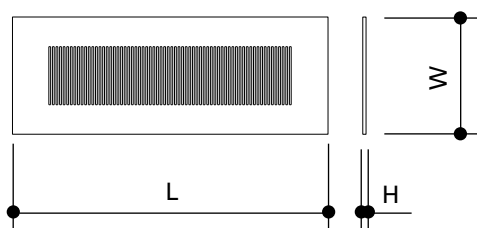


FLORA, anthracite

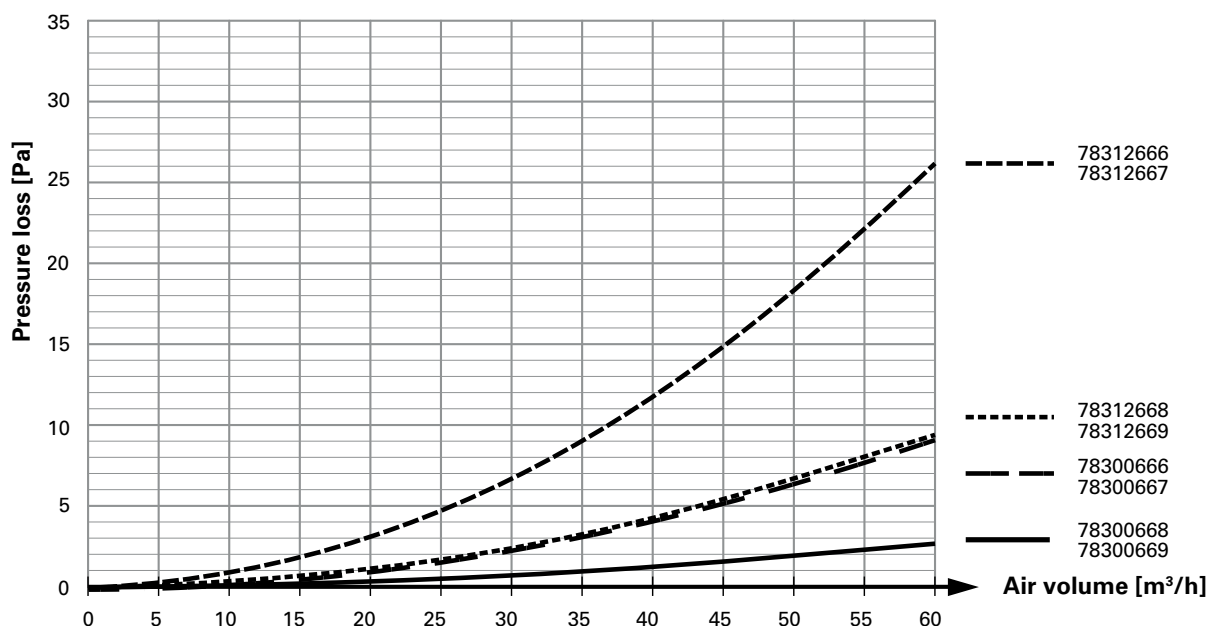


FLORA COMPACT, anthracite

Metal design grill for supply air or extract air, including magnetic fixing. For use in combination with the profi-air mounting frame and/or the profi-air mounting frame compact. The design grills are suitable for use in profi-air tunnel outlets 90° and all profi-air classic outlets Ø 125 mm. Suited for wall and ceiling installations.



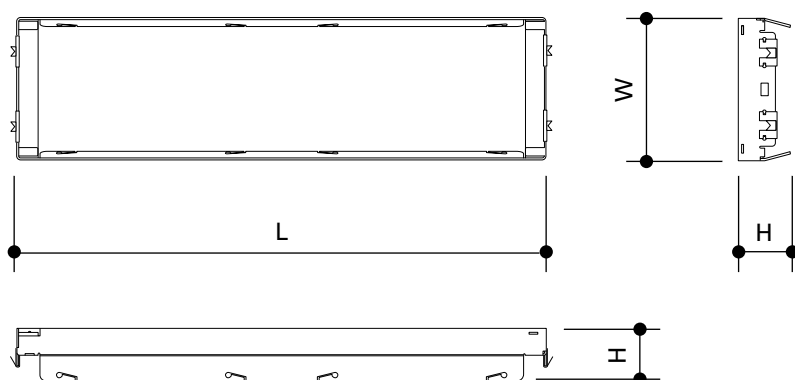
Cat. no.	Type	Dimensions			Material	Weight	Packing unit
	profi-air supply air / extract air ventilation grill						
		L	W	H		[kg/pc.]	[pc.]
		[mm]	[mm]	[mm]			
78300666	AVANTGARDE, white	350	130	1.5	Steel plate, white (RAL 9016)	0.47	1
78312666	AVANTGARDE COMPACT, white	160	160	1.5	Steel plate, white (RAL 9016)	0.26	1
78300667	AVANTGARDE, stainless steel	350	130	1.5	Ground stainless steel	0.47	1
78312667	AVANTGARDE COMPACT, stainless steel	160	160	1.5	Ground stainless steel	0.26	1
78300668	FLORA, white	350	130	1.5	Steel plate, white (RAL 9016)	0.47	1
78312668	FLORA COMPACT, white	160	160	1.5	Steel plate, white (RAL 9016)	0.26	1
78300669	FLORA, anthracite	350	130	1.5	Steel plate, anthracite	0.47	1
78312669	FLORA COMPACT, anthracite	160	160	1.5	Steel plate, anthracite	0.26	1



profi-air® design grill accessories

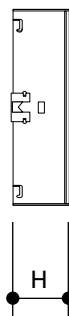
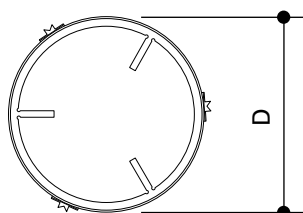


Rectangular steel mounting frame, including clamps for use in profi-air tunnel outlets 90° for cover grills. Can be used for both supply air and extract air. Suited for wall and ceiling installations. The cataphoretic dip coating protects against corrosion. The profi-air mounting frame provides the basis for profi-air design grills.



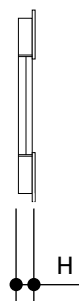
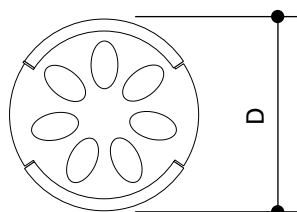
Cat. no.	Type	Dimensions			Material	Weight	Packing unit
	profi-air supply air / extract air mounting frame wall / ceiling						
		L [mm]	W [mm]	H [mm]		[kg/pc.]	[pc.]
78300690	298 x 80 mm	298	80	30	Steel plate, black with cataphoretic dip coating	0.17	1

profi-air® design grill accessories



Round steel mounting frame, including clamps for use in profi-air outlets DN 125 and all standard plastic outlets DN 125. Can be used for both supply air and extract air. Suited for wall and ceiling installations. The cataphoretic dip coating protects against corrosion. The profi-air compact mounting frame provides the basis for profi-air compact design grills.

Cat. no.	Type	Dimensions		Material	Weight	Packing unit
	profi-air supply air / extract air mounting frame COMPACT wall / ceiling					
		D [mm]	H [mm]		[kg/pc.]	[pc.]
78312690	Ø122 mm	122	36	Steel plate, black with cataphoretic dip coating	0.12	1



Plastic air volume control element DN 125 for use in profi-air mounting frame COMPACT. Seven setting ranges by opening / closing pre-punched openings. Suitable for supply air and extract air.

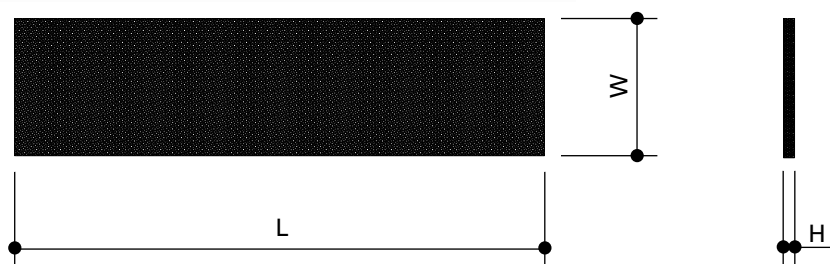
Cat. no.	Type	Dimensions		Material	Weight	Packing unit
	profi-air regulator COMPACT					
		D [mm]	H [mm]		[kg/pc.]	[pc.]
78312001	Ø119 mm	119	17	PA / PE	0.02	1

profi-air® design grill accessories



Rectangular extract air filter compatible with the following mounting frame:

78300690 profi-air mounting frame

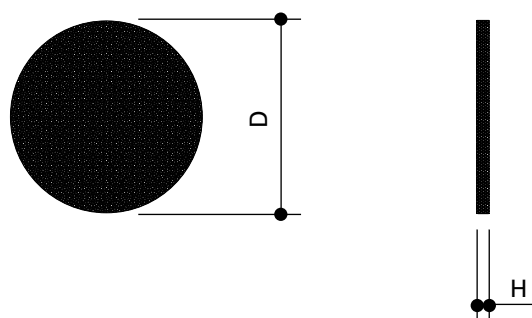


Cat. no.	Type	Dimensions			Material	Weight	Packing unit
	profi-air extract air filter for supply / extract air mounting frame wall / ceiling						
		L [mm]	W [mm]	H [mm]		[kg/pc.]	[pc.]
78300692	290 x 75 mm	298	80	10	PE filter foam plastic, black	0.008	1



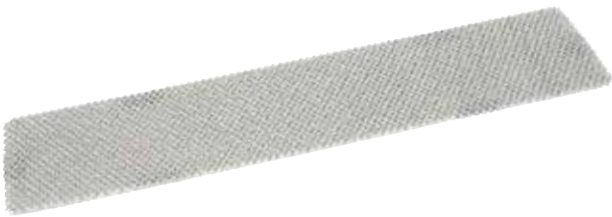
Round extract air filter compatible with the following mounting frame:

78312690 profi-air mounting frame



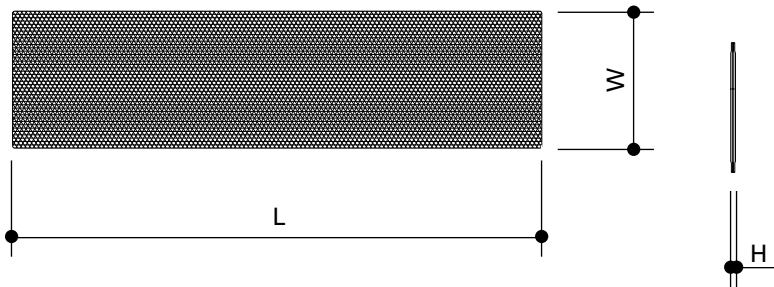
Cat. no.	Type	Dimensions		Material	Weight	Packing unit
	profi-air extract air filter COMPACT for supply / extract air mounting frame wall / ceiling					
		D [mm]	H [mm]		[kg/pc.]	[pc.]
78312692	Ø118 mm	122	10	PE filter foam plastic, black	0.004	1

profi-air® design grill accessories



Rectangular extract air grease filter specially designed for use in kitchens. Oil and grease particles generated by cooking are captured by an aluminium expanded metal filter. The grease filter is reusable. Cleaning in the dishwasher is possible.

For use in combination with the profi-air filter 78300692 and profi-air mounting frame 78300690 only.

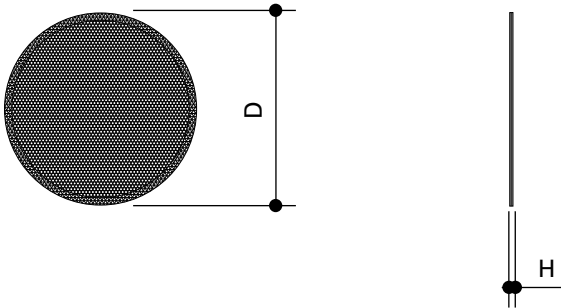


Cat. no.	Type	Dimensions			Material	Weight	Packing unit
	profi-air extract air grease filter for supply / extract air mounting frame wall / ceiling	L	W	H			
		[mm]	[mm]	[mm]		[kg/pc.]	[pc.]
78300693	284 x 75 mm	298	80	3	Aluminium expanded metal, silver	0.03	1



Round extract air grease filter specially designed for use in kitchens. Oil and grease particles generated by cooking are captured by an aluminium expanded metal filter. The grease filter is reusable. Cleaning in the dishwasher is possible.

For use in combination with the profi-air filter 78312692 and profi-air mounting frame 78312690 only.



Cat. no.	Type	Dimensions		Material	Weight	Packing unit
	profi-air extract air grease filter COMPACT for supply / extract air mounting frame wall / ceiling	D	H			
		[mm]	[mm]		[kg/pc.]	[pc.]
78312693	Ø118 mm	122	3	Aluminium expanded metal, silver	0.01	1



profi-air® accessories

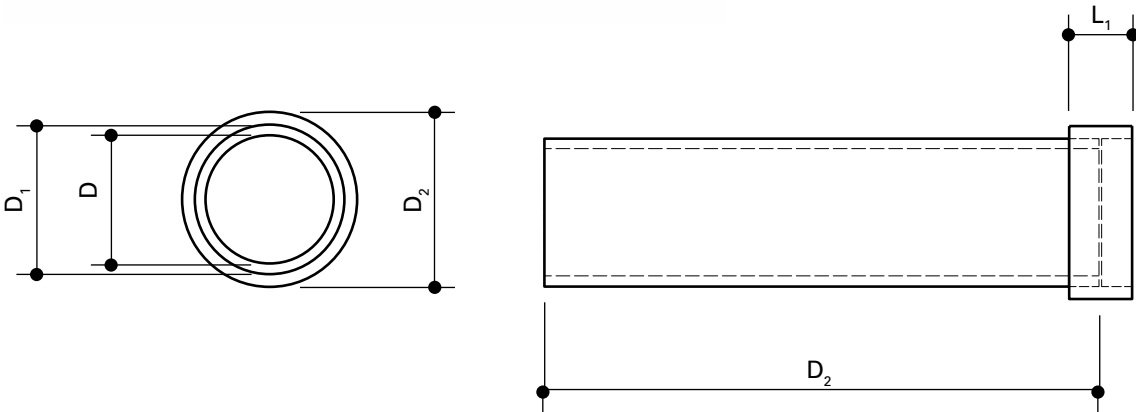
- **Suitable for installation in any location**
- **Complementary to the profi-air ventilation system**
- **High-quality materials**

profi-air® iso pipe

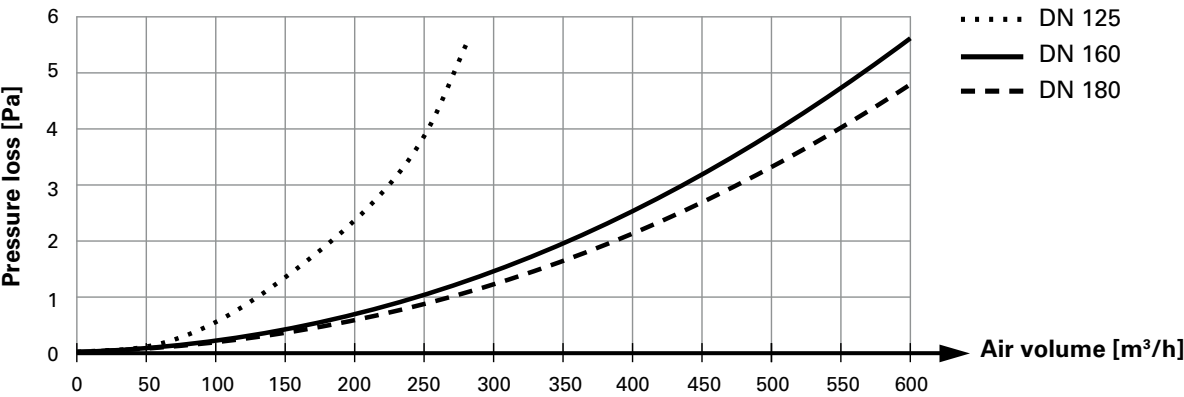


A completely insulated and vapour-tight EPP pipe, including an iso coupling. Profi-air iso pipes are suited for fresh air, exhaust air, supply air and extract air.

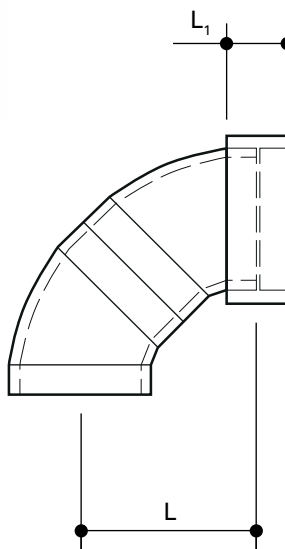
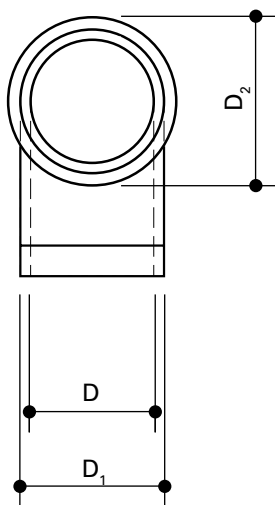
Admissible operating temperature:
-25 to 80 °C
Heat conduction: 0.037 W/(m•K)



Cat. no.	Type	Dimensions		Material	Weight	Packing unit
	profi-air iso pipe incl. one coupling	D / D ₁ / D ₂ [mm]	L / L ₁ [mm]		[kg/pc.]	[pc.]
78312101	DN 125 x 1,000 mm	125 / 155 / 185	1,000 / 80	EPP	0.40	6
78316101	DN 160 x 1,000 mm	160 / 190 / 220	1,000 / 80	EPP	0.50	4
78318101	DN 180 x 1,000 mm	180 / 210 / 240	1,000 / 80	EPP	0.55	3



profi-air® iso pipe fittings

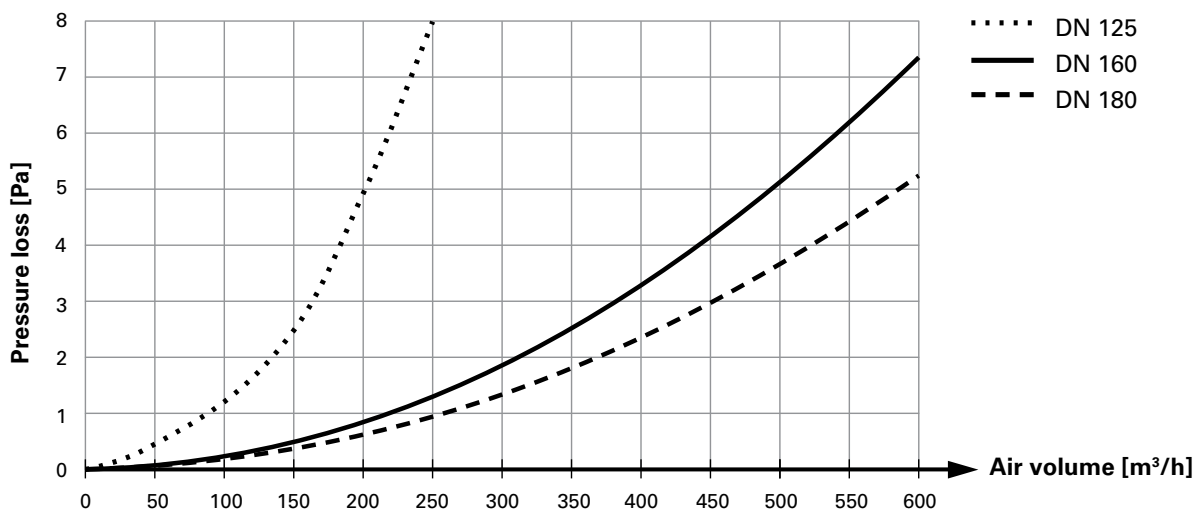


A completely insulated and vapour-tight EPP elbow, including an iso coupling. Profi-air iso pipes are suited for fresh air, exhaust air, supply air and extract air.

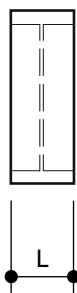
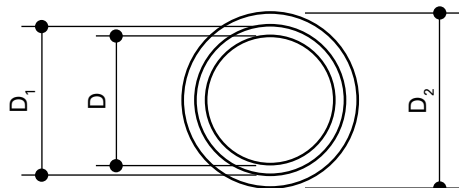
Due to the notch placed in the middle, the elbow 90° can be split into two elbows 45°.

Admissible operating temperature:
-25 to 80 °C
Heat conduction: 0.037 W/(m•K)

Cat. no.	Type	Dimensions	Material	Weight	Packing unit
profi-air iso elbow 90° incl. one coupling		D / D ₁ / D ₂ [mm]		[kg/pc.]	[pc.]
78312140	DN 125	125 / 155 / 185	EPP	0.22	4
78316140	DN 160	160 / 190 / 220	EPP	0.28	3
78318140	DN 180	180 / 210 / 240	EPP	0.30	3



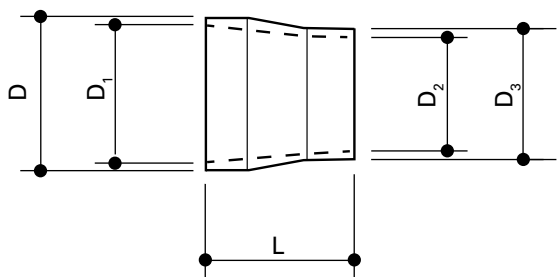
profi-air® iso pipe fittings



Completely insulated and vapour-tight EPP coupling to connect iso pipe fittings. Profi-air iso pipes are suited for fresh air, exhaust air, supply air and extract air.

Admissible operating temperature:
-25 to 80 °C
Thermal conductivity: 0.037 W/(m•K)

Cat. no.	Type	Dimensions	Material	Weight	Packing unit	
profi-air iso coupling						
		D / D ₁ / D ₂ mm	L mm	[kg/pc.]	[pc.]	
78312110	DN 125	125 / 155 / 185	80	EPP	0.10	6
78316110	DN 160	160 / 190 / 220	80	EPP	0.14	6
78318110	DN 180	180 / 210 / 240	80	EPP	0.15	6

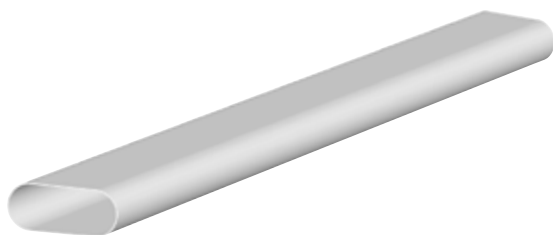


Completely insulated and vapour-tight EPP reduction to connect iso pipe fittings. Profi-air iso pipes are suited for fresh air, exhaust air, supply air and extract air.

Admissible operating temperature:
-25 to 80 °C
Heat conduction: 0.037 W/(m•K)

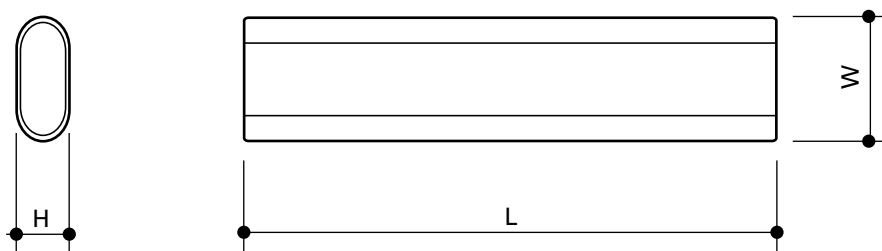
Cat. no.	Type	Dimensions	Material	Weight	Packing unit	
profi-air iso reduction						
		D / D ₁ / D ₂ / D ₃ [mm]	L [mm]	[kg/pc.]	[pc.]	
78312120	DN 160 / DN 125	190 / 160 / 155 / 125	170	EPP	0.08	2
78316120	DN 180 / DN 160	210 / 180 / 160 / 190	200	EPP	0.11	2

profi-air® Ovalekanal pipe

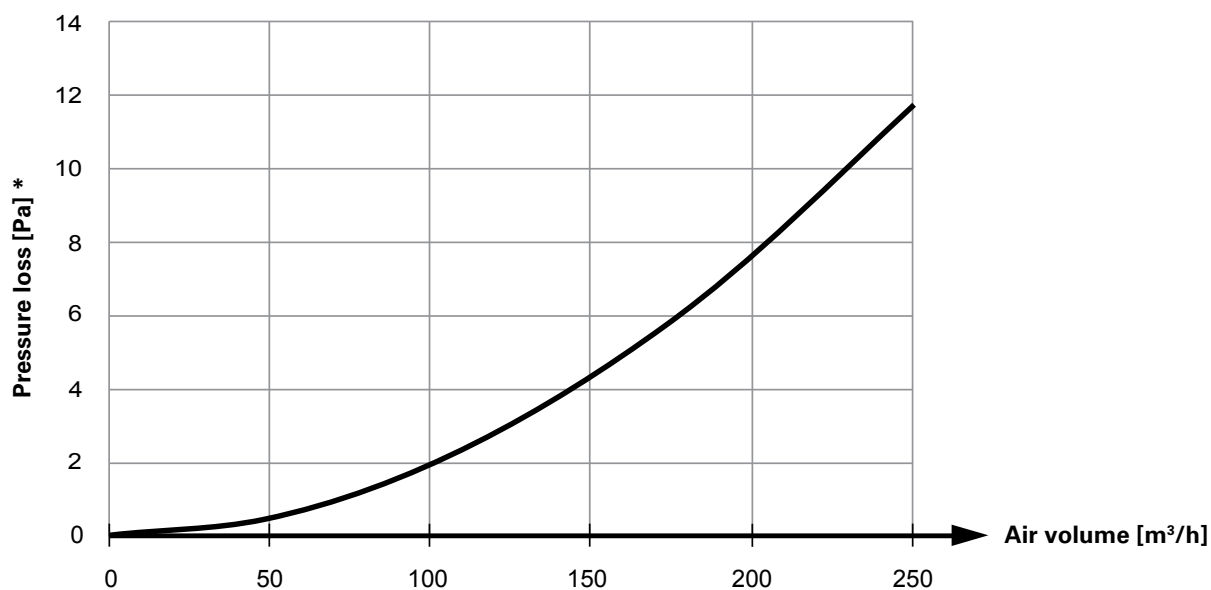


The oval-shaped ABS pipe to connect a manifold and a ventilation unit. The Ovalekanal pipe is not hard-wearing; to be installed on the wall / ceiling. The Ovalekanal pipe is suitable for supply air and extract air.

Admissible operating temperature:
-25 to 60 °C



Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air Ovalekanal pipe							
		L	W	H			
		[mm]	[mm]	[mm]		[kg/pc.]	[pc.]
78316401	163 x 68 mm	1,150	163	68	ABS	0.90	4



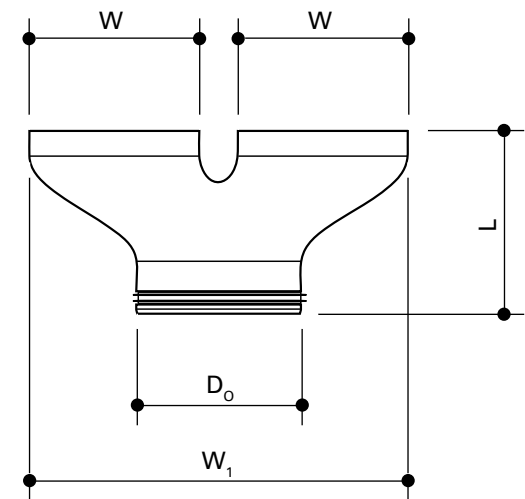
Pressure loss per 1 m of pipe length

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

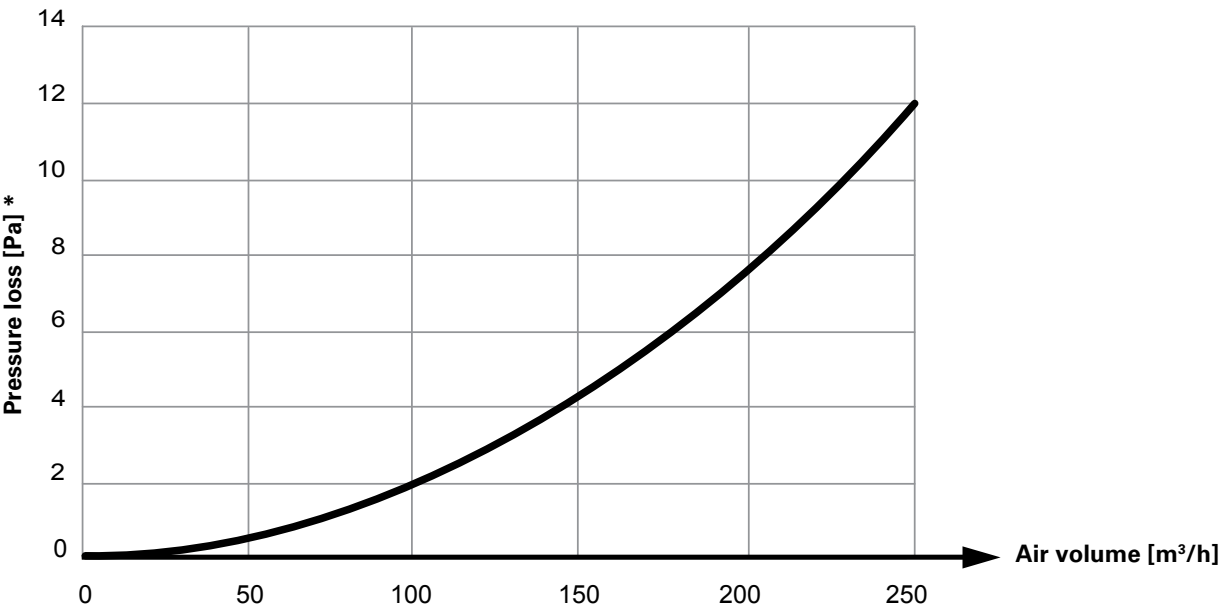
profi-air® Ovalekanal adaptor DN 160



PE Ovalekanal adaptor to connect Ovalekanal and an iso pipe DN 160. The Ovalekanal adaptor is suitable for supply air and extract air. The integrated lip seal provides an airtight connection between the iso pipe and the adaptor.



Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air Ovalekanal adaptor DN 160							
		D _o [mm]	L [mm]	W / W ₁ [mm]		[kg/pc.]	[pc.]
78316424	163 x 68 mm	160	175	163 / 363	PE-HD	0.25	1

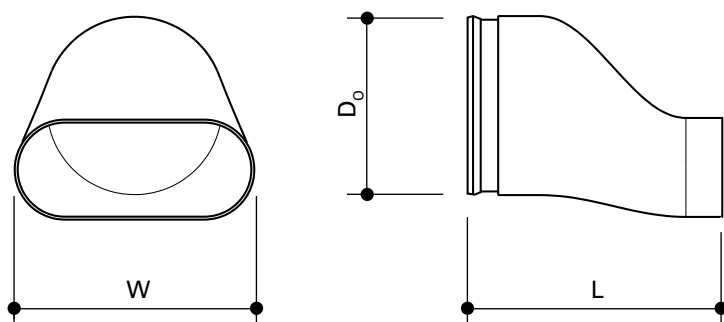


*Including profi-air Ovalekanal sealing and connection element, cat. no. 78316410

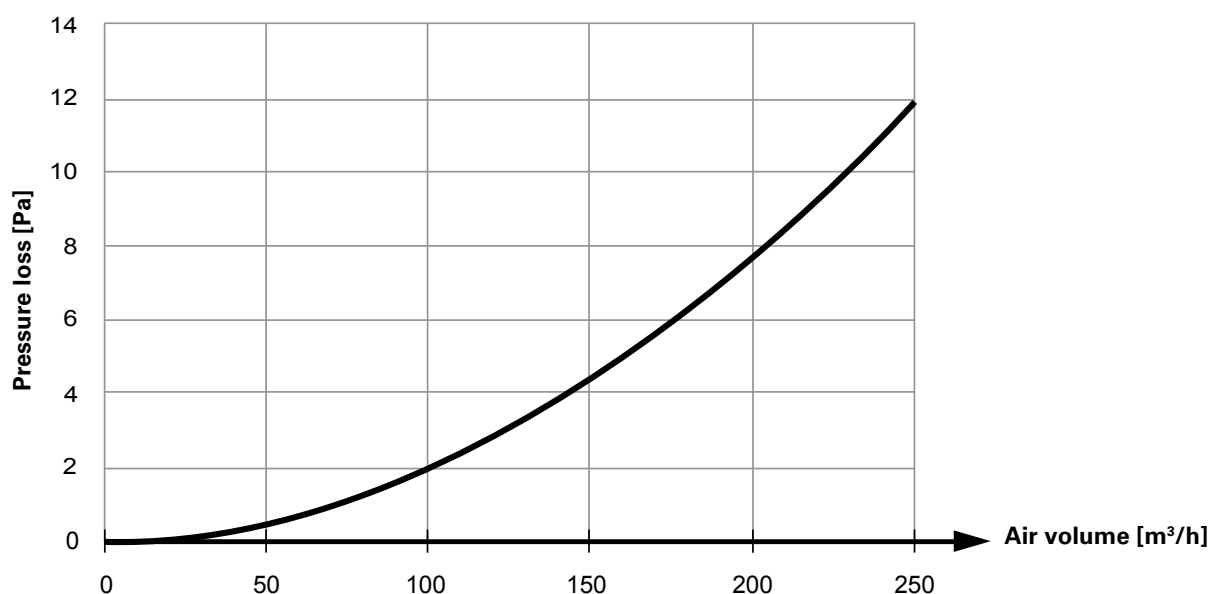
profi-air® Ovalekanal adaptor DN 125



PE Ovalekanal adaptor to connect Ovalekanal and an iso pipe DN 125. The Ovalekanal adaptor is suitable for supply air and extract air. The integrated lip seal provides an airtight connection between the iso pipe and the adaptor.



Cat. no.	Type	Dimensions			Material	Weight	Packing unit
	profi-air Ovalekanal adaptor DN 125						
		D_o [mm]	L [mm]	W [mm]		[kg/pc.]	[pc.]
78316425	163 x 68 mm to DN 125	125	175	163	PE-HD	0.14	1

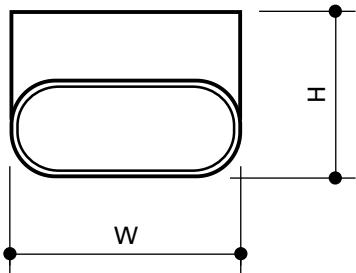


*Including profi-air Ovalekanal sealing and connection element, cat. no. 78316410

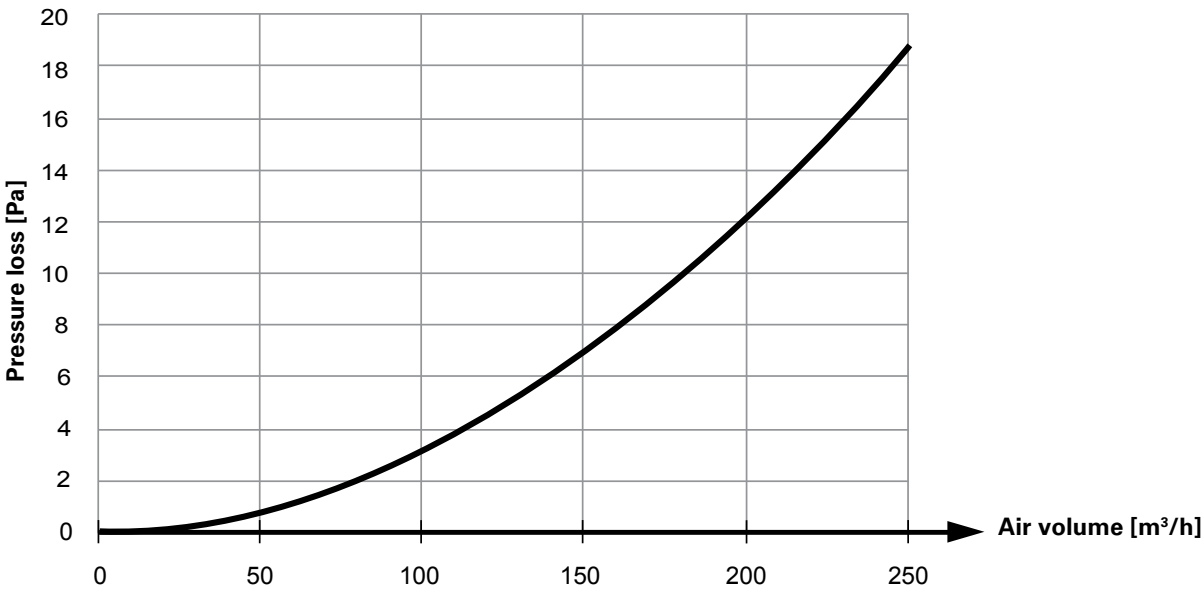
profi-air®
 Ovalkanal elbow vertical 90°



PE elbow vertical 90° to redirect the Ovalkanal system. The Ovalkanal elbow is suitable for supply air and extract air.



Cat. no.	Type	Dimensions		Material	Weight	Packing unit
	profi-air Ovalkanal elbow vertical 90°					
		W [mm]	H [mm]		[kg/pc.]	[pc.]
78316440	163 x 68 mm	163	106	PE-HD	0.15	1



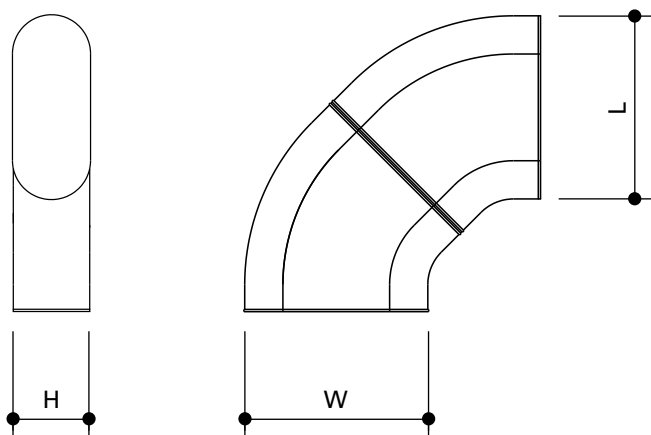
*Including profi-air Ovalkanal sealing and connection element, cat. no. 78316410

profi-air® Ovalkanal elbow horizontal 90°

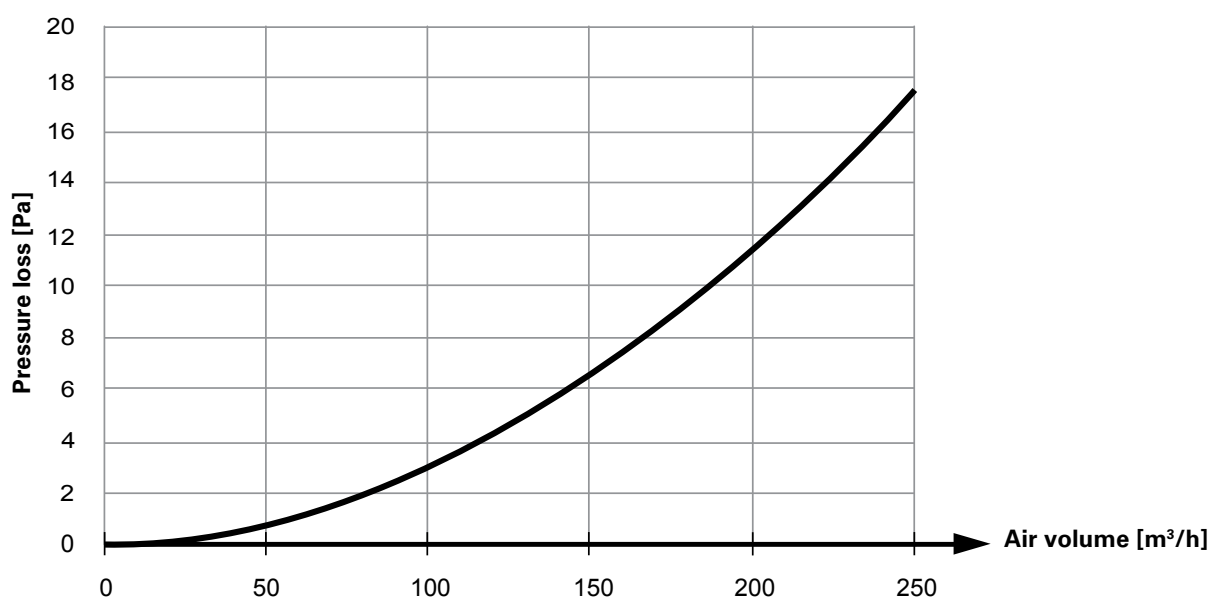


PE elbow horizontal 90° to redirect the Ovalkanal system. The Ovalkanal elbow is suitable for supply air and extract air.

Due to the notch placed in the middle, the elbow 90° can be split into two elbows 45°.



Cat. no.	Type	Dimensions			Material	Weight	Packing unit
	profi-air Ovalkanal elbow horizontal 90°						
		L [mm]	W [mm]	H [mm]		[kg/pc.]	[pc.]
78316441	163 x 68 mm	265	163	68	PE-HD	0.28	1

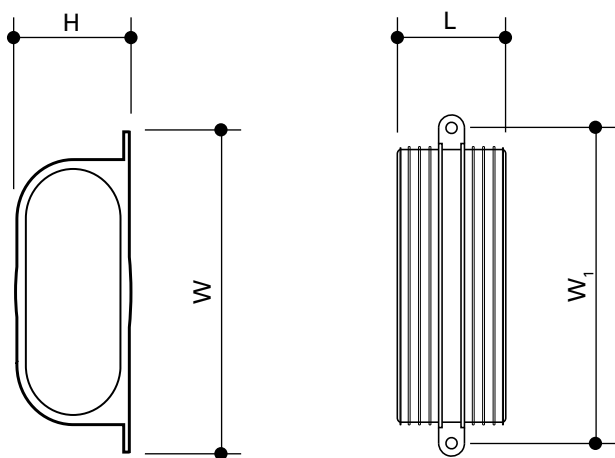


*Including profi-air Ovalkanal sealing and connection element, cat. no. 78316410

profi-air® Ovalekanal sealing and connection element



PP sealing and connection element to connect Ovalekanal pipes, Ovalekanal fittings, and profi-air tunnel Ovalekanal manifolds flat. Sealing lips on both sides provide airtight connection, the integrated retaining brackets with a 6.5 mm drill hole each enable fixing.

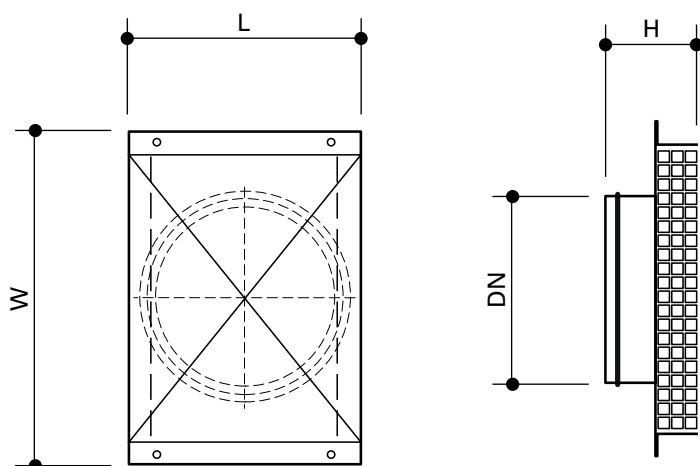


Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air Ovalekanal sealing and connection element		L	W / W ₁	H			
		[mm]	[mm]	[mm]		[kg/pc.]	[pc.]
78316410	163 x 68 mm	63	200 / 185	70	PP	0.07	1

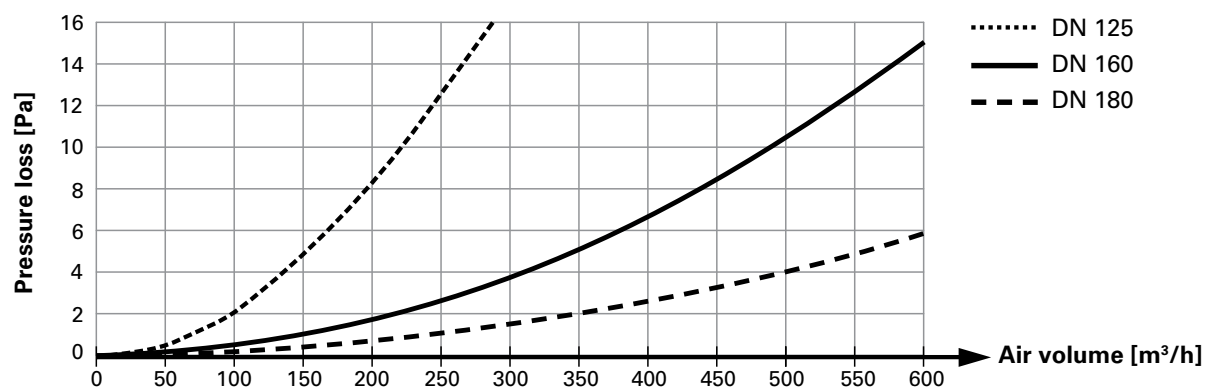
profi-air® external wall grill



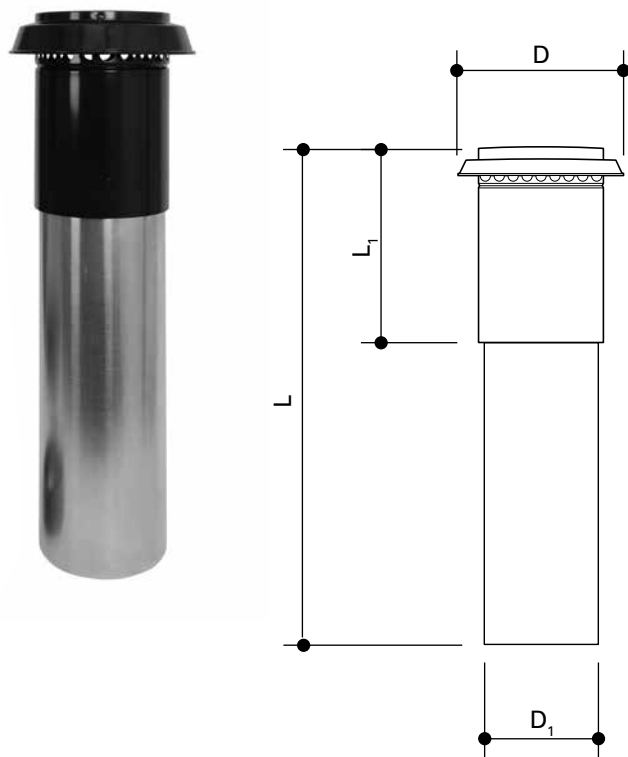
External wall grill made of stainless steel with pipe connection, including fastening material. Can be used for fresh air or exhaust air. Easy fastening thanks to integrated drill holes in the grill frame.



Cat. no.	Type	Dimensions				Material	Weight	Packing unit
profi-air external wall grill								
		L	W	H	DN			
		[mm]	[mm]	[mm]	[mm]		[kg/pc.]	[pc.]
78312170	DN 125 max. 220 m³/h	166	265	65	125	Stainless steel	0.95	1
78316170	DN 160 max. 300 m³/h	200	288	60	160	Stainless steel	1.25	1
78318170	DN 180 max. 400 m³/h	310	410	60	180	Stainless steel	2.40	1



profi-air® roof hood universal

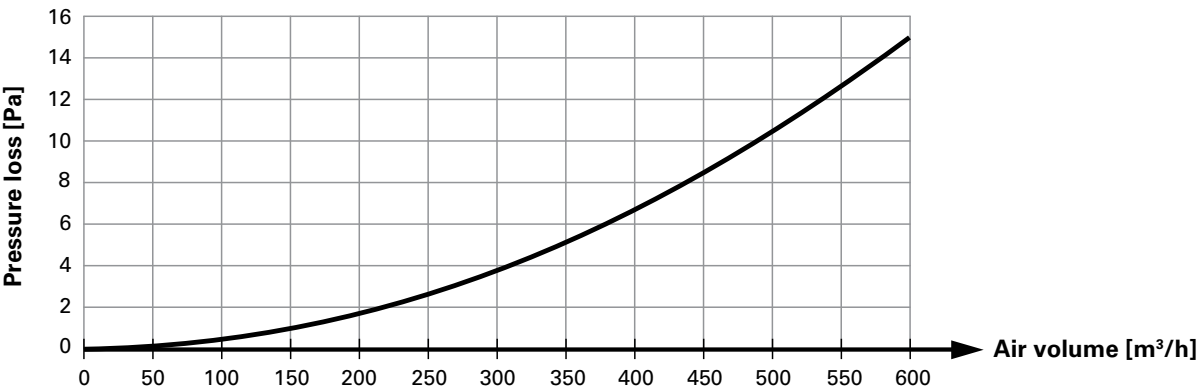


Completely insulated profi-air roof hood for fresh air and exhaust air ducting. Connection to the profi-air iso pipes DN 160 / DN 180. Depending on the application, either an EPP coupling (DN 160) or a rubber coupling (DN 180) can be used as an adaptor to the iso pipe. The integrated rain collar of the roof hood in combination with the profi-air steel tile / lead tile prevents rain or melt water ingress.

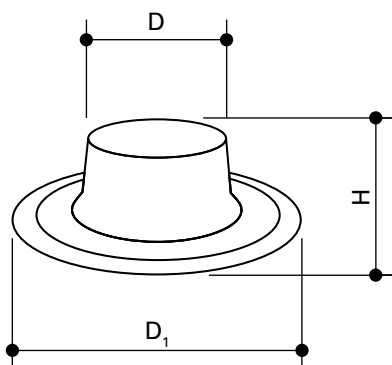


EPP and rubber coupling are included in the scope of delivery.

Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air roof hood universal							
		D / D ₁ [mm]	L / L ₁ [mm]	DN		[kg/pc.]	[pc.]
78300175	DN 160 / DN 180 max. 400 m ³ /h	298 / 200	1,400 / 365	160 / 180	Steel	2.00	1

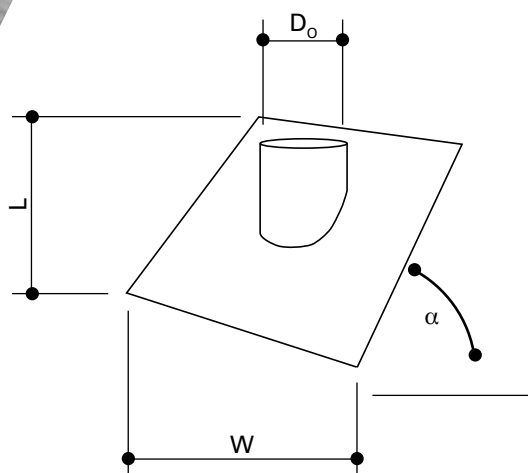
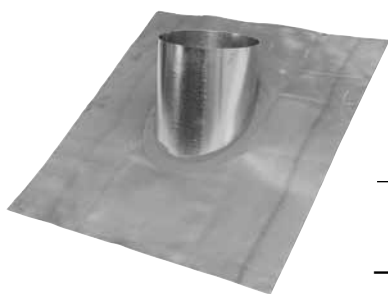


profi-air® roof lead-through



Roof lead-through for a professional installation of the profi-air roof hood; suitable for flat roofs.

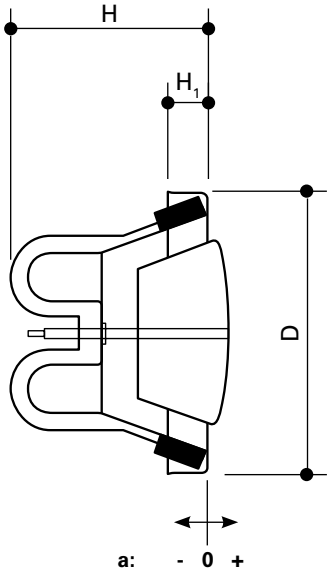
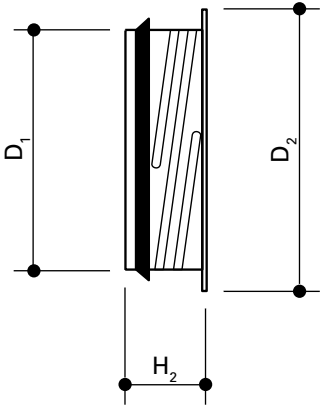
Cat. no.	Type	Dimensions		Material	Weight	Packing unit
profi-air steel tile for flat roofs						
		D / D ₁ [mm]	H [mm]		[kg/pc.]	[pc.]
78316180	Steel tile for flat roofs DN 160 / DN 180	203 / 420	250	Aluminium	0.370	1



Roof lead-through for a professional installation of the profi-air roof hood; suitable for pitched roofs (lead tile, slope is not adjustable).

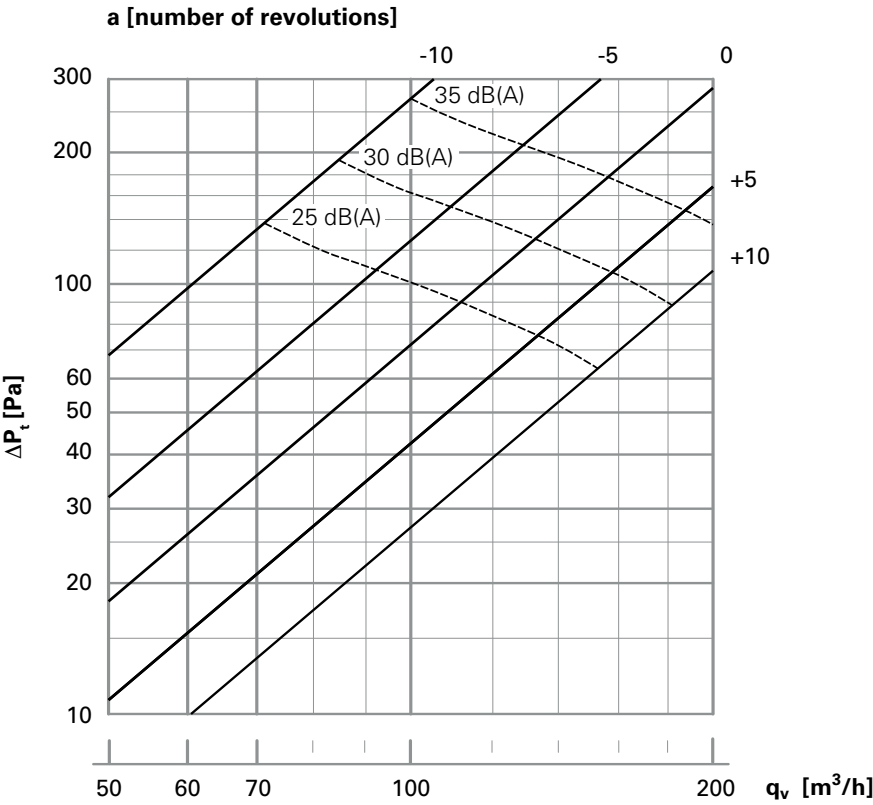
Cat. no.	Type	Dimensions				Material	Weight	Packing unit
profi-air lead tile for pitched roofs								
		D _o [mm]	L [mm]	W [mm]	α [°]		[kg/pc.]	[pc.]
78316181	Lead tile for pitched roofs	203	640	600	20-30	Galvanised steel plate / lead	4.76	1
78316182	Lead tile for pitched roofs	203	640	600	30-40		4.94	1
78316183	Lead tile for pitched roofs	203	640	600	40-50		5.40	1

profi-air® extract valve

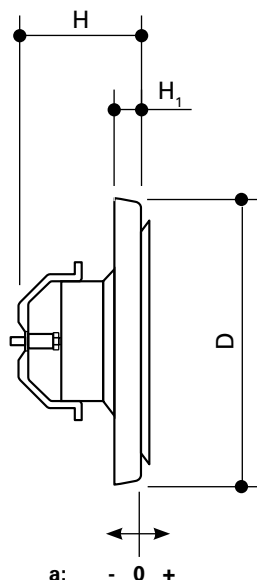
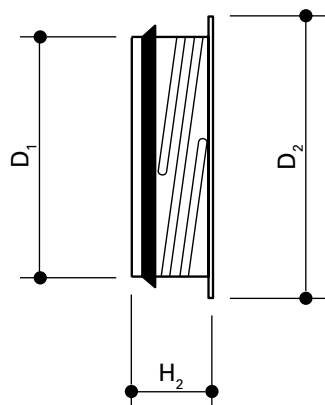


Metal valve for extract air, including mounting frame to be installed in any profi-air tunnel and profi-air classic outlets DN 125. Suited for wall and ceiling installations. Progressive adjustment of the air volume is possible.

Cat. no.	Type	Dimensions	Material	Weight	Packing unit
profi-air extract valve with mounting frame					
		D / D ₁ / D ₂ [mm]	H / H ₁ / H ₂ [mm]	[kg/pc.]	[pc.]
78312620	DN 125	160 / 124 / 150	85 / 18 / 50	Steel white 0.48	1

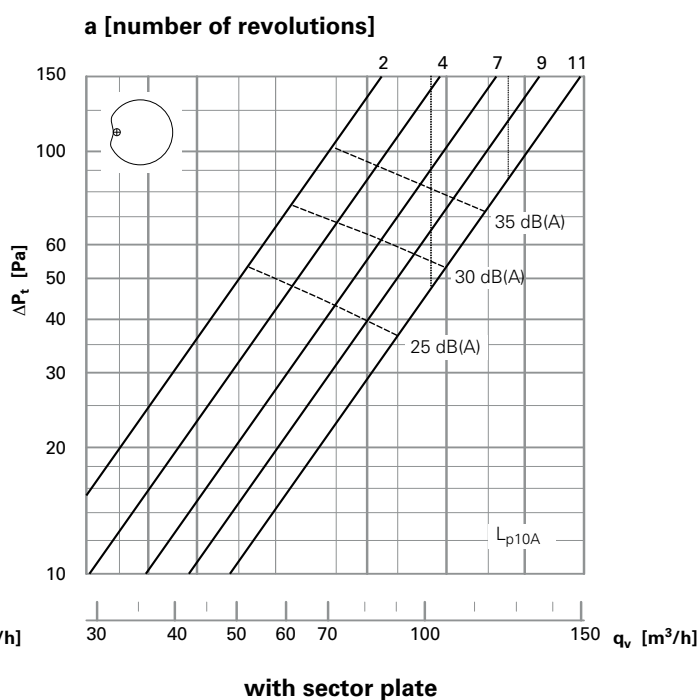
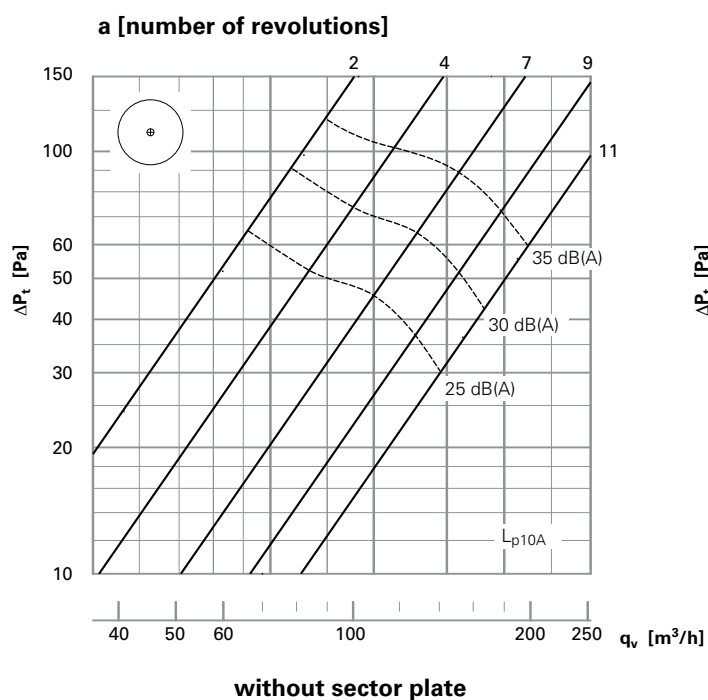


profi-air® supply valve

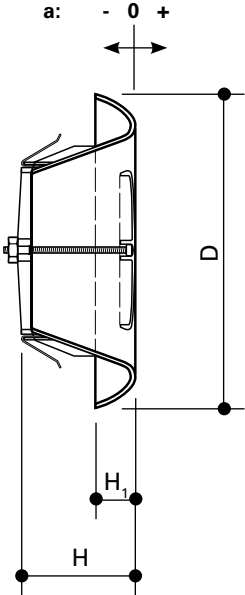


Metal valve for supply air, including mounting frame to be installed in any profi-air tunnel and profi-air classic outlets DN 125. Suited for wall and ceiling installations. Progressive adjustment of the air volume is possible.

Cat. no.	Type	Dimensions	Material	Weight	Packing unit
profi-air supply valve with mounting frame					
		D / D ₁ / D ₂ [mm]	H / H ₁ / H ₂ [mm]	[kg/pc.]	[pc.]
78312610	DN 125	173 / 124 / 150	76 / 18 / 50	Steel white 0.55	1

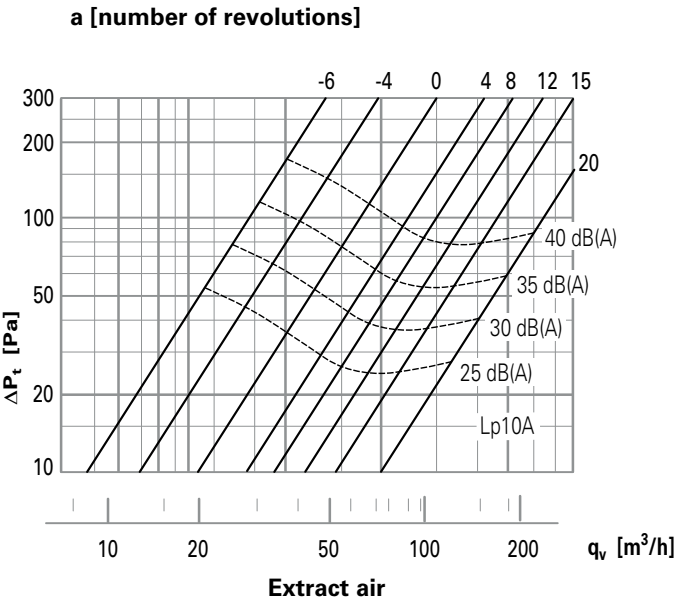
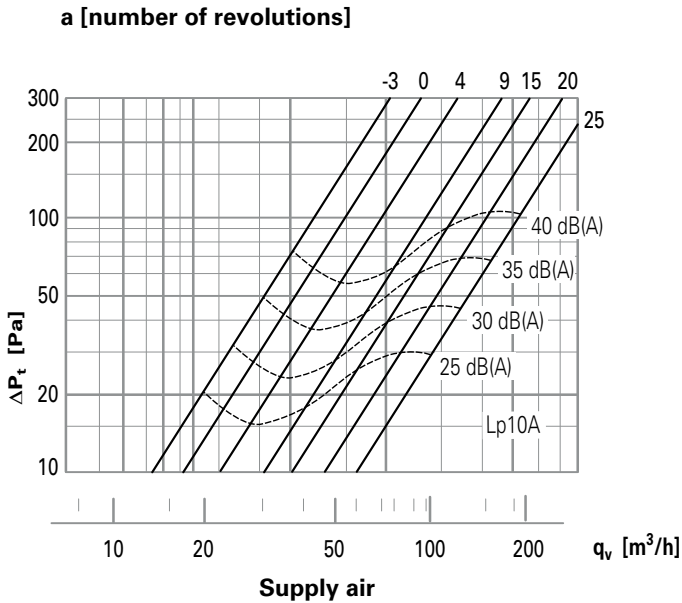


profi-air® supply and extract valve

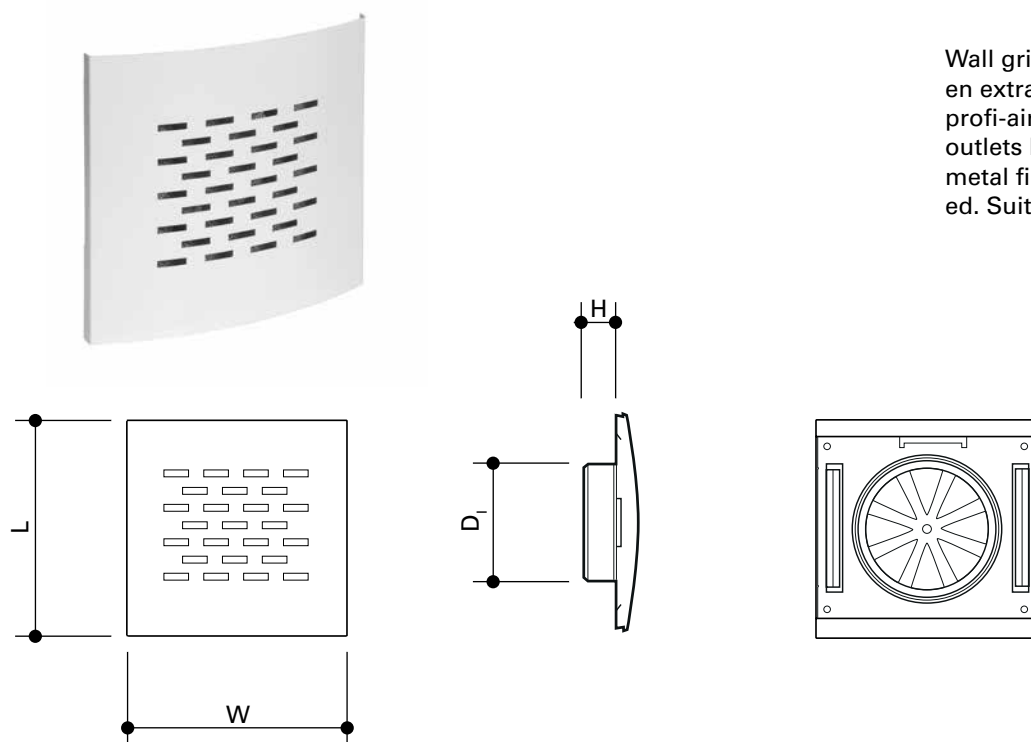


Plastic valve for supply air or extract air, including clamp spring to be installed in any profi-air tunnel and profi-air classic outlets DN 125. Suited for wall and ceiling installations. Progressive adjustment of the air volume is possible.

Cat. no.	Type	Dimensions		Material	Weight	Packing unit
profi-air supply and extract valve including clamp spring						
		D [mm]	H / H ₁ [mm]		[kg/pc.]	[pc.]
78312630	DN 125	167	52 / 18	PP, white	0.14	1

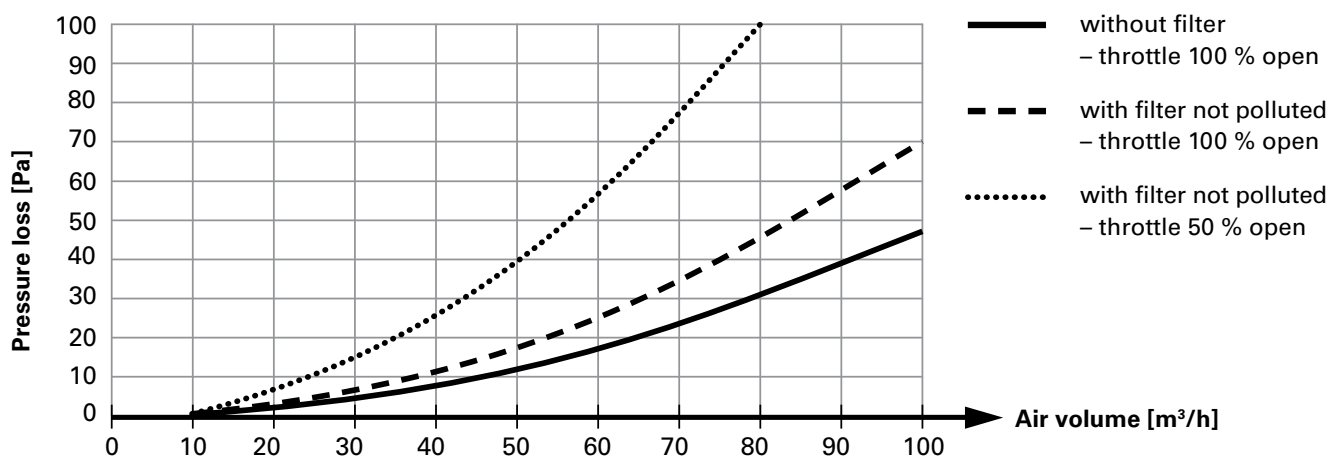


profi-air® supply and extract wall grill

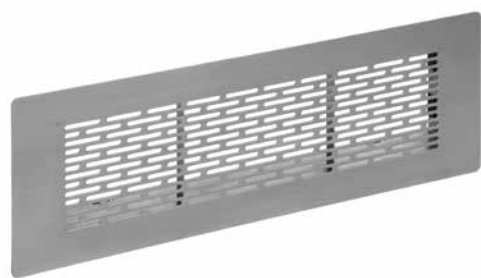


Wall grill made of steel plate for kitchen extract air to be installed in any profi-air tunnel and profi-air classic outlets DN 125. Washable expanded metal filter and mounting parts included. Suited for wall installations.

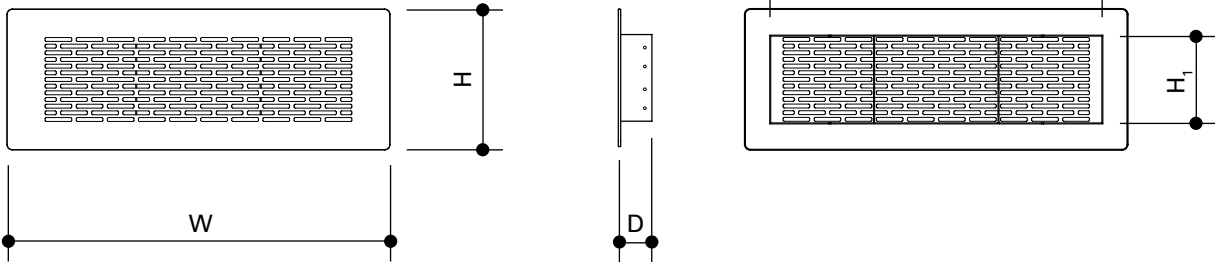
Cat. no.	Type	Dimensions				Material	Weight	Packing unit
profi-air supply and extract wall grill for kitchen extract air								
		D _I [mm]	L [mm]	W [mm]	H [mm]		[kg/pc.]	[pc.]
78312631	DN 125	123	210	207	30	Steel white	0.61	1



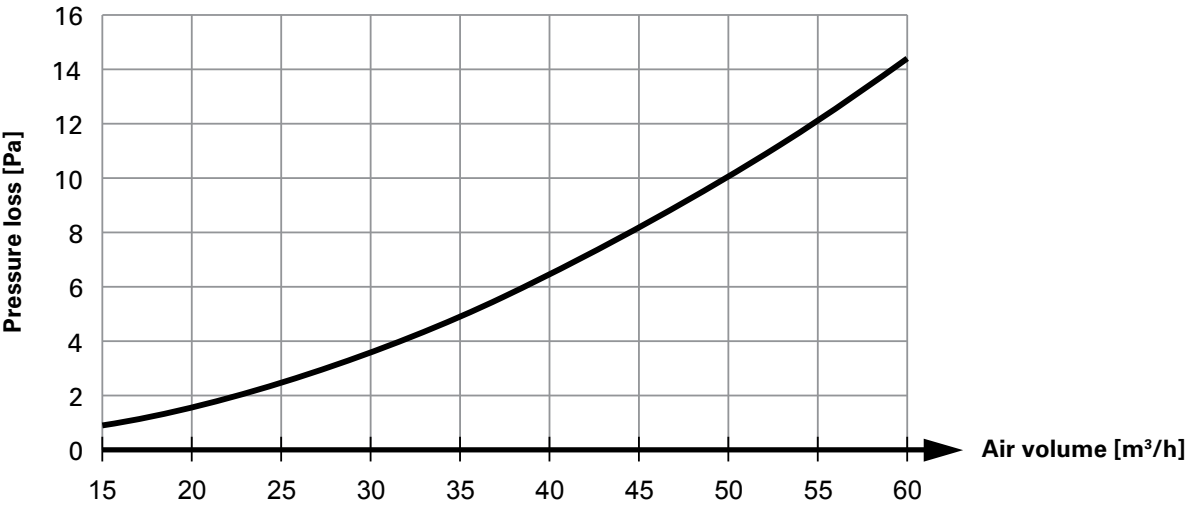
profi-air® supply and extract grill



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



Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air supply and extract grill							
		W / W ₁ [mm]	H / H ₁ [mm]	D [mm]		[kg/pc.]	[pc.]
78300640	350 x 130 mm	345 / 300	127 / 80	31	Stainless steel	0.46	1
78300645	350 x 130 mm	345 / 300	127 / 80	31	Steel white	0.47	1

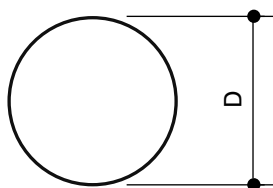
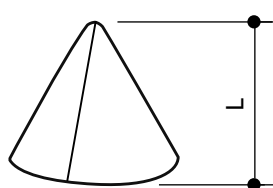


profi-air® filter



Conical bag filter compatible with the following valves:

- 78312620 extract valve
- 78312630 supply and extract valve

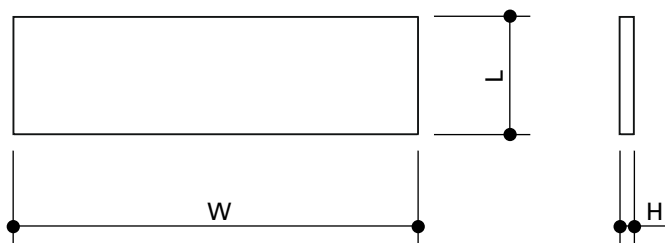


Cat. no.	Type	Dimensions		Material	Weight	Packing unit
profi-air filter						
		D [mm]	L [mm]		[kg/pc.]	[pcs.]
78312650	for extract valves	DN 125	150	Polyester fibre	0.006	5



Rectangular filter compatible with the following grills:

- 78300640 supply and extract grill, stainless steel
- 78300645 supply and extract grill, steel white



Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air filter							
for grill		L	W	H			
		mm	mm	mm		[kg/pc.]	[pcs.]
78300650	G3	295	75	10	Filter fabric	0.05	5



profi-air® ventilation units and accessories

■ **profi-air 250 / 400 touch**

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

- user-friendly touch screen operation
- optionally: demand-controlled supply of fresh air
- optionally: humidity recovery

■ **profi-air 180 / 300 sensor**

Efficient ventilation unit with integrated humidity sensor

- integrated control unit
- optionally: wireless remote control

■ **profi-air 180 flat**

Efficient ventilation unit for ceiling / wall installation for use in residential construction

- low installation height
- optionally: wireless remote control
- optionally: demand-controlled supply of fresh air

Overview profi-air ventilation units

profi-air 250 touch

profi-air 400 touch



78302725



78302740

Typical application area	single-family home	●	●
	flat		
Place of installation	floor	●	●
	wall	●	●
	ceiling		
Application area	air volume	70 - 250 m³/h	100 - 400 m³/h
	max. pressure loss	260 Pa	290 Pa
Dimensions	H x W x D (L)	825 x 575 x 660	825 x 575 x 660
	connection diameter	4x DN 160	4x DN 180
	condensate connection	5/4 " AG	5/4 " AG
Label / permission / assessments	Energy efficiency grade	A / A+*	A
	DIBt	●	●
	EN 13141-7	●	●
	EN 308		●
	SAP App. Q	●	●
	Clima House Partner	●	●

Equipment	fixation	○	○
	outlet	○	○
	control via integrated touch display	✓	✓
	control via integrated control panel	X	X
	control via external control panel	○	○
	control via LAN / WLAN	✓	✓
	automatic summer bypass	✓	✓
	manual summer bypass	X	X
	humidity sensor for central demand control	X	X
	filter extract / outside air	✓	✓

legend

✓ = contained ● = available ○ = optional X = not possible

profi-air 180 sensor
profi-air 300 sensor
profi-air 180 flat

78300718

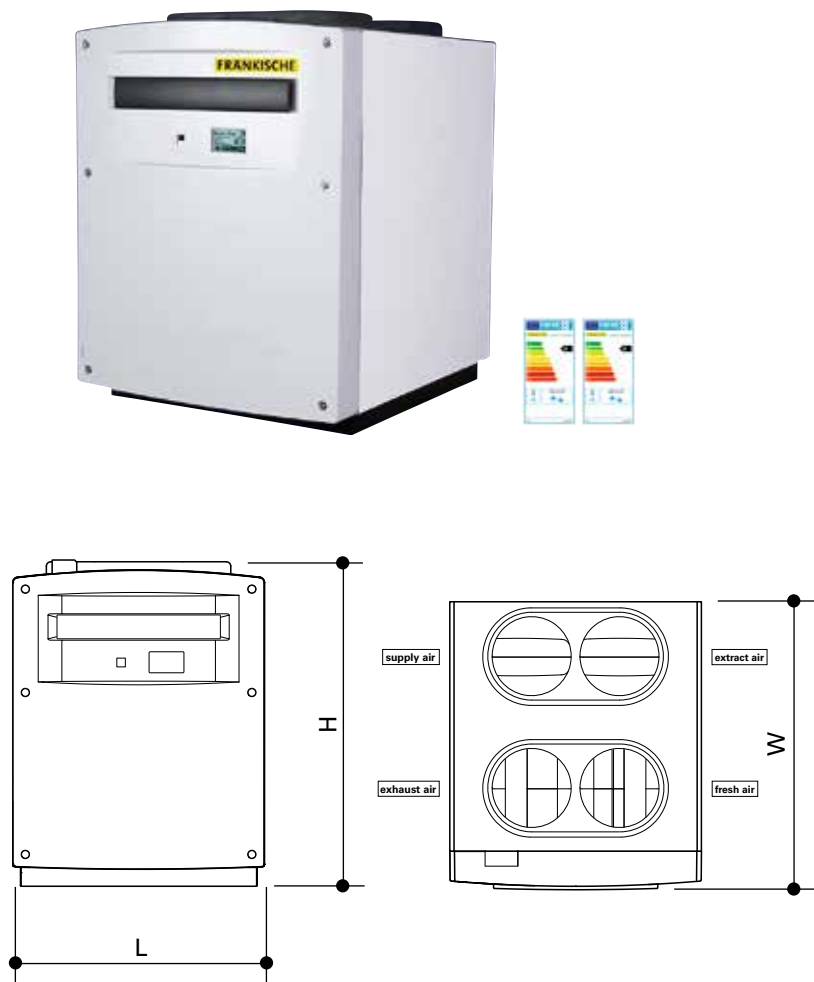
78300730

78305718

	●	
●		●
●	●	●
		●
70 - 180 m³/h	90 - 300 m³/h	70 - 180 m³/h
185 Pa	190 Pa	260 Pa
1005 x 530 x 419	1055 x 590 x 569	279 x 600 x 1122
4x DN 125	4x DN 160	4x DN 125
Ø 19 mm Schlauch	Ø 19 mm Schlauch	Ø 19 mm Schlauch
A	A	A / A+*
●	●	submitted
		●
●	●	●
●	●	●

✓	✓	✓
✓	○	○
X	X	X
✓	✓	X
X	X	✓
X	X	X
X	✓	✓
✓	X	X
✓	✓	○
✓	✓	✓

profi-air® touch ventilation unit



Central ventilation unit in two output rates to be used in the field of heat recovery ventilation. Housing made of galvanised steel plate (white) with an EPP core and a plastic front panel (light grey). Including cross-flow heat exchanger and summer bypass (100 %). Putting into operation / control by means of an integrated control unit (touch screen). The connection to the device can alternatively be established directly via the LAN port on the front panel or the built-in wireless router. The home network can be controlled by means of a freely selectable web browser (IP address; no specific software required).

Energy efficiency grade A

Connection options:

- 2 external sensors (CO₂ and / or humidity)
- electric preheater
- CAN bus
- switch
- service contact OFF

Removal of condensate by means of condensate siphon (optional accessories). Connection MT 5/4". G4 filter in the extract air, F5 filter in the supply air (F7 filter available as an option) in the extract air. The device is delivered ready to plug-in.

Cat. no.	Type	Dimensions			Weight	Packing unit
profi-air touch ventilation unit						
		L	W	H		
		[mm]	[mm]	[mm]	[kg/pc.]	[pc.]
78302725	250 touch	575	660	825	35.00	1
78302740	400 touch	575	660	825	35.00	1

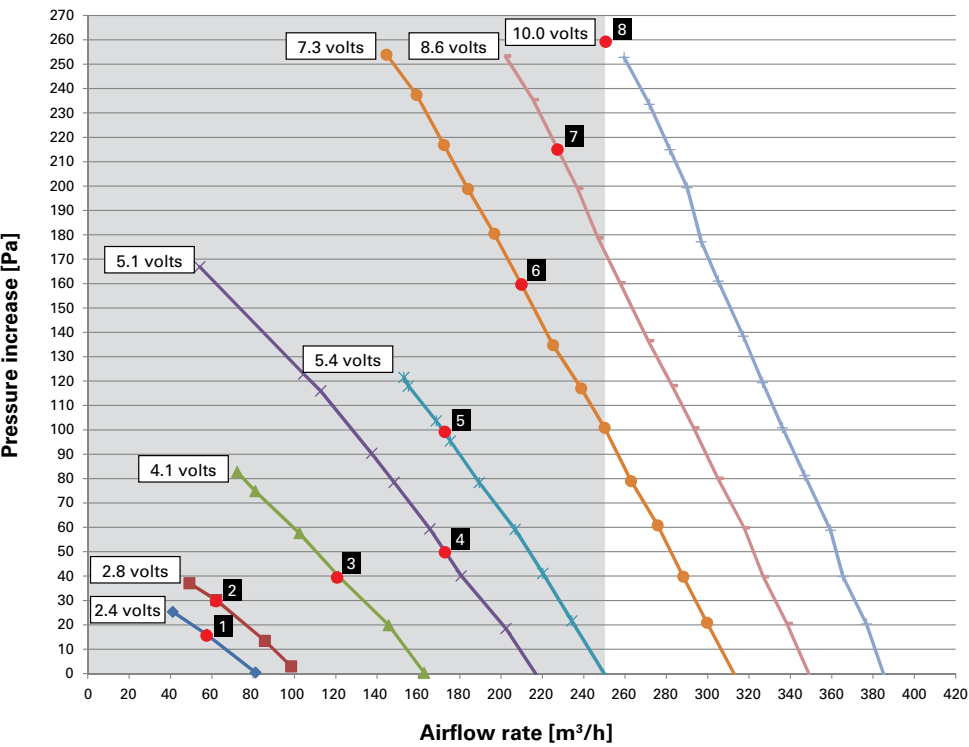
Product data sheet profi-air® touch ventilation unit

Unit type	profi-air 250 touch		profi-air 400 touch	
Weight [kg]	approx. 35		approx. 35	
Dimensions (W x D x H) [mm]	575 x 660 x 825		575 x 660 x 825	
Heat exchanger				
Type	Cross-flow plate heat exchanger, water-resistant, frost-proof		Cross-flow plate heat exchanger, water-resistant, frost-proof	
Material	Plastic		Plastic	
Max. heat recovery efficiency	91 %		90 %	
Fans				
Fan operation	2 EC RadiCal fans with 7 backwards curved blades		2 EC RadiCal fans with 7 backwards curved blades	
Network connection	230 V / ~50 Hz		230 V / ~50 Hz	
Performance				
Application [m³/h]	70-250		100-400	
Electric power consumption, including control	60 m³/h / 30 Pa – 16 W		100 m³/h / 60 Pa–30 W	
	170 m³/h / 100 Pa–57 W		200 m³/h / 100 Pa–70 W	
	250 m³/h / 100 Pa–94 W		400 m³/h / 100 Pa–211 W	
Current	1.2 A		1.2 A	
Fuse protection (on site)	16.0 A delay fuse (cable 3 x 1.5 mm²)		16.0 A delay fuse (cable 3 x 1.5 mm²)	
Filter				
	Supply air	Extract air	Supply air	Extract air
Filter class	F5, F7 optional	G4	F5, F7 optional	G4
Connection				
Air connection	Ø160 mm		Ø180 mm	
Tests and approvals				
	- DIBt® (General building authority approval)		- DIBt® (General building authority approval)	
	- EN 13141-7		- EN 13141-7	
	- SAP App. Q		- EN 308	
	- Clima HousePartner		- SAP App. Q	
			- Clima HousePartner	

Product data sheet profi-air® touch setting parameters

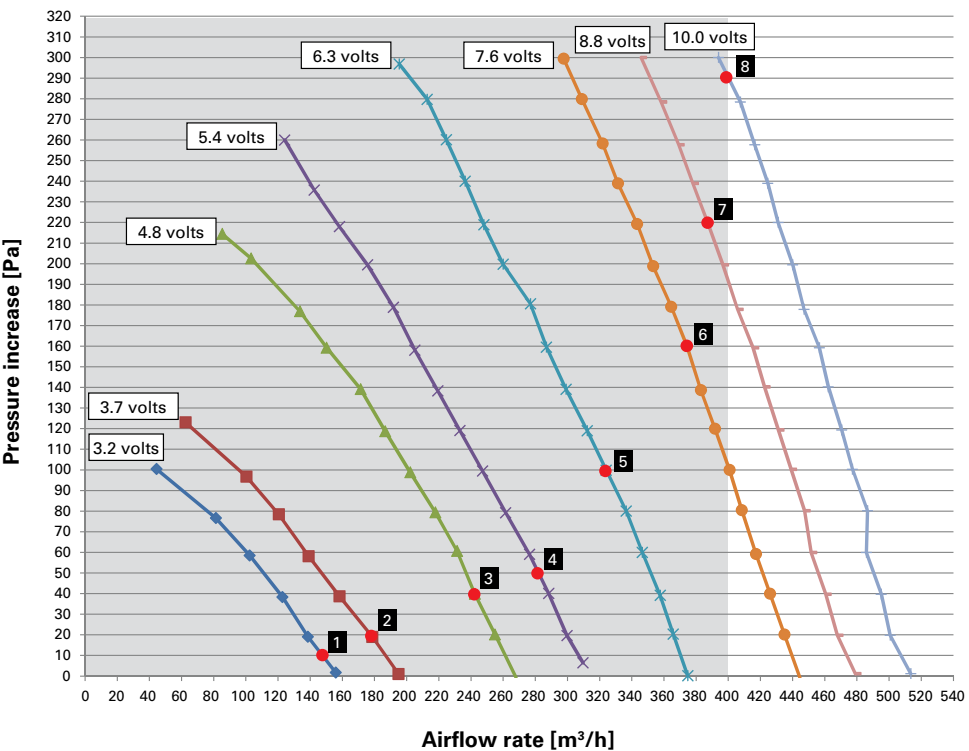
profi-air 250 touch setting parameters

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



profi-air 400 touch setting parameters

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



Product data sheet according to the ErP directive

profi-air 250 touch

Manufacturer		FRÄNKISCHE Rohrwerke Gebr. Kirchner GmbH & Co. KG Hellinger Straße 1, 97481 Königsberg/Germany		
Type of product		profi-air 250 touch		
Catalogue number		78302725		
Additional equipment		None		
Specific energy consumption	SEC	cold	-75.59	[kWh/(m² a)]
		average	-37.58	
		warm	-13.17	
Energy efficiency grade		A		
Type		RVU / BVU		
Type of drive		VSD		
Type of heat recovery		Recuperation		
Thermal efficiency	η _t	88	[%]	
Highest airflow rate		250	[m³/h]	
Electric power input		95	[W]	
Sound power level	L _{WA}	45	[dB[A]]	
Reference airflow rate		0.0486 175	[m³/s] [m³/h]	
Reference pressure difference		50	[Pa]	
Specific power input	SPI	0.26	[W/(m³/h)]	
Control typology		Time control (no demand control)		
Control factor		0.95		
Highest internal air leakage rate		1.5	[%]	
Highest external air leakage rate		3.9	[%]	
Location and description of filter warning indicator		Error code "F1" on the touch display		
Website		www.fraenkische.com		
Annual energy consumption	AEC	cold	8.76	[kWh/(m² a)]
		average	3.39	
		warm	2.94	
Annual heating energy savings	AHS	cold	88.76	[kWh/(m² a)]
		average	45.37	
		warm	20.52	

Product data sheet according to the ErP directive

profi-air 250 touch with external sensors

Manufacturer		FRÄNKISCHE Rohrwerke Gebr. Kirchner GmbH & Co. KG Hellinger Straße 1, 97481 Königsberg/Germany		
Type of product		profi-air 250 touch		
Catalogue number		78302725		
Additional equipment		min. 2 sensors - 78300831 and / or 78300832		
Specific energy consumption	SEC	cold	-81.75	[kWh/(m² a)]
		average	-42.63	
		warm	-17.60	
Energy efficiency grade		A+		
Type		RVU / BVU		
Type of drive		VSD		
Type of heat recovery		Recuperation		
Thermal efficiency	η _t	88	[%]	
Highest airflow rate		250	[m³/h]	
Electric power input		95	[W]	
Sound power level	L _{WA}	45	[dB[A]]	
Reference airflow rate		0.0486 175	[m³/s] [m³/h]	
Reference pressure difference		50	[Pa]	
Specific power input	SPI	0.26	[W/(m³/h)]	
Control typology		Control depending on local requirement		
Control factor		0.65		
Highest internal air leakage rate		1.5	[%]	
Highest external air leakage rate		3.9	[%]	
Location and description of filter warning indicator		Error code "F1" on the touch display		
Website		www.fraenkische.com		
Annual energy consumption	AEC	cold	7.20	[kWh/(m² a)]
		average	1.83	
		warm	1.38	
Annual heating energy savings	AHS	cold	91.00	[kWh/(m² a)]
		average	46.52	
		warm	21.04	

Product data sheet according to the ErP directive

profi-air 400 touch

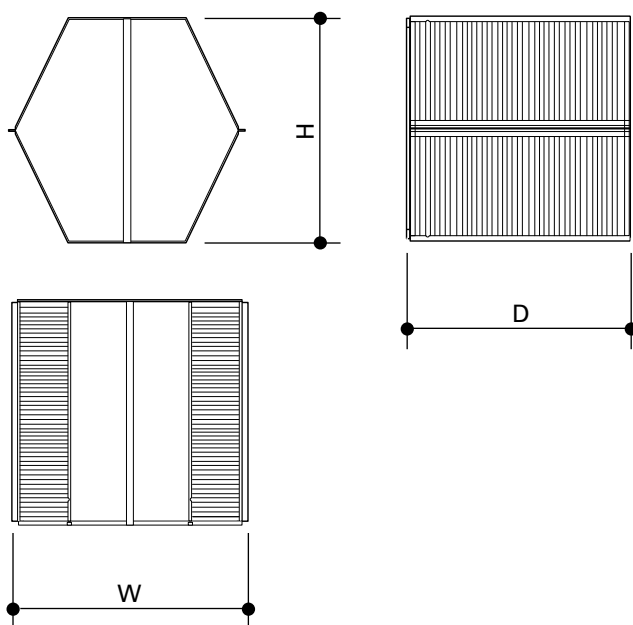
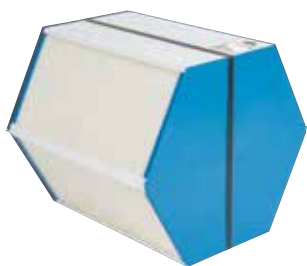
Manufacturer		FRÄNKISCHE Rohrwerke Gebr. Kirchner GmbH & Co. KG Hellinger Straße 1, 97481 Königsberg/Germany		
Type of product		profi-air 400 touch		
Catalogue number		78302740		
Additional equipment		None		
Specific energy consumption	SEC	cold	-72.74	[kWh/(m² a)]
		average	-35.01	
		warm	-10.77	
Energy 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	88.17	[kWh/(m² a)]
		average	45.07	
		warm	20.38	

Product data sheet according to the ErP directive

profi-air 400 touch with external sensors

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		min. 2 sensors - 78300831 and / or 78300832		
Specific energy consumption	SEC	cold	-80.28	[kWh/(m² a)]
		average	-41.36	
		warm	-16.44	
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		Control depending on local requirement		
Control factor		0.65		
Highest internal air leakage rate		1.5	[%]	
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	7.62	[kWh/(m² a)]
		average	2.25	
		warm	1.80	
Annual heating energy savings	AHS	cold	90.60	[kWh/(m² a)]
		average	46.31	
		warm	20.94	

profi-air® touch enthalpy heat exchanger



The profi-air enthalpy heat exchanger is used for retrofit installation into the profi-air touch ventilation unit in series. The highly efficient heat exchanger transports heat and humidity thus preventing living quarters from drying out during winter months.

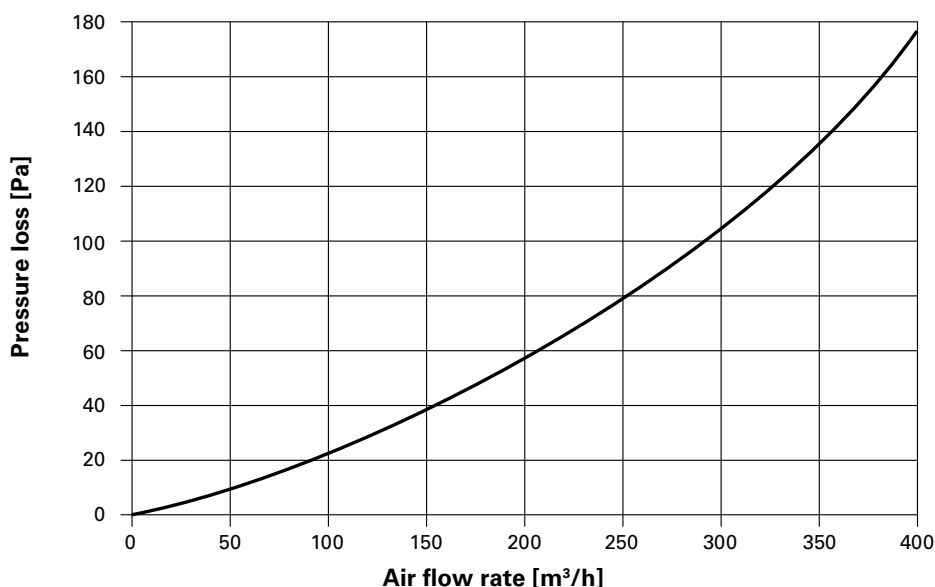
The basic physical principle of osmosis of water vapour through the pore structure of a special-purpose polymeric membrane is used for humidity transportation. It is only water and water vapour that are transported through the membrane. It is impermeable to other substances such as gases, contaminations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

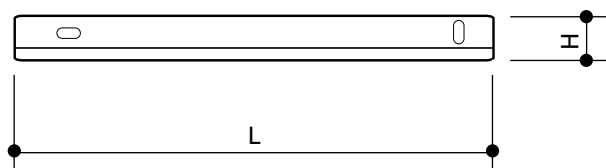
Mean heat recovery efficiency according to DIBt (enthalpic):

- profi-air 250 touch $\eta_{HR} = 107\%$
- profi-air 400 touch $\eta_{HR} = 98\%$

Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air enthalpy heat exchanger							
		H [mm]	W [mm]	D [mm]		[kg/pc.]	[pc.]
78300802	for profi-air 250 / 400 touch	366	386	365	PS	7.80	1



profi-air® touch mounting set



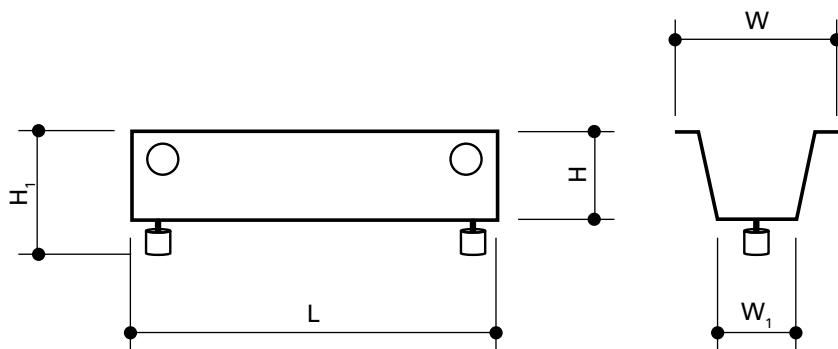
Wall mounting set for the profi-air 250 / 400 touch ventilation unit.

The scope of delivery includes:

- 2 metal rails (galvanised steel plate)
- 1 rubber sealing lip
- 2 spacers
- 3 metal screws

The rubber sealing lip 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.	Type	Dimensions		Material	Weight	Packing unit
profi-air touch wall mounting set						
		L [mm]	H [mm]		[kg/pc.]	[pc.]
78300810	Wall	560	52	Steel	1.25	1



Floor mounting base set for the profi-air 250 / 400 touch ventilation unit.

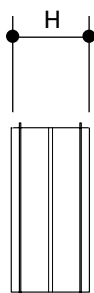
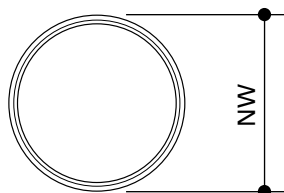
The scope of delivery includes:

- 2 metal feet (galvanised steel plate)
- 4 rubber buffers
- 8 metal screws

The rubber buffers must be installed to provide both noise separation and horizontal/vertical adjustment of the device.

Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air touch floor mounting base set							
		L [mm]	W / W ₁ [mm]	H / H ₁ [mm]		[kg/pc.]	[pc.]
78300811	Floor	350	160 / 63	150 / 175-190	Steel	4.70	1

profi-air® connection set



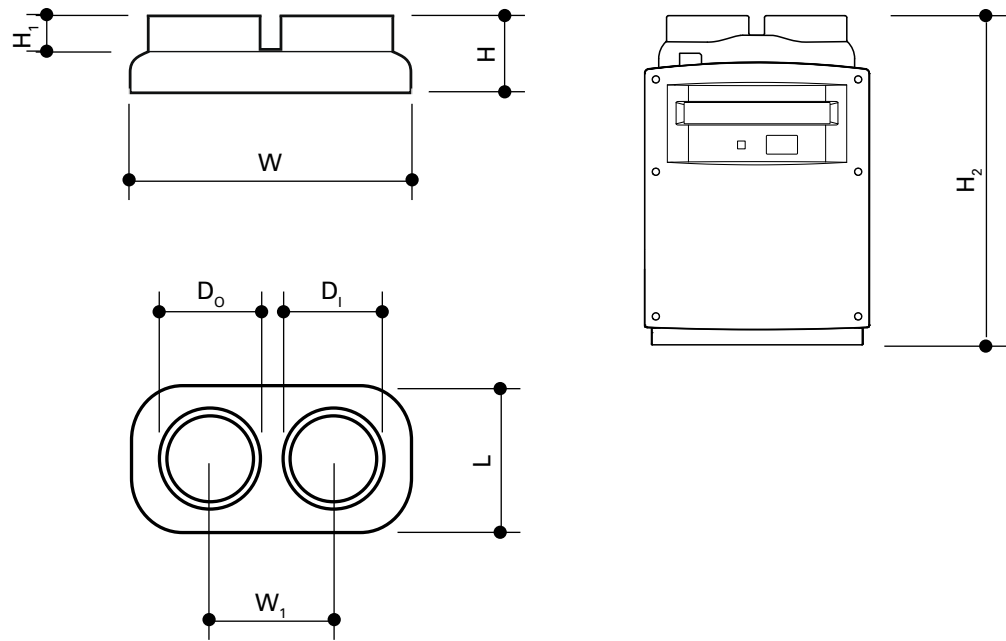
profi-air connection set consisting of four steel double nipples with circumferential rubber sealing on both sides.

Cat. no.	Type	Dimensions		Application		Material	Weight	Packing unit
	profi-air connection set							
		H [mm]	NW [mm]	Iso pipe	Spiral duct		[kg/pc.]	[pc.]
78316820	4 x DN 160	80	160	x	x	Steel	0.92	1
78318820	4 x DN 180	80	180	-	x	Steel	1.08	1

profi-air® touch connection set

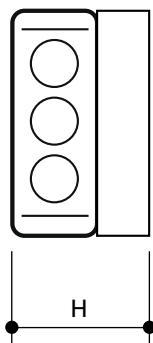
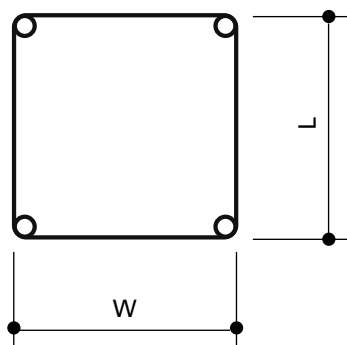


profi-air ISO connection set consisting of two EPP adaptor attachments to widen the cuff spacing. Required for installation of iso pipe DN 180 only.



Cat. no.	Type	Dimensions				Application		Material	Weight	Packing unit
profi-air 400 touch ISO connection set		D ₀ / D ₁	L	W / W ₁	H / H ₁ / H ₂	Iso pipe	Spiral duct		[kg/pc.]	[pc.]
		[mm]	[mm]	[mm]	[mm]					
78318821	4 x DN 180	210 / 180	248	500 / 250	134 / 50 / 925	x	-	EPP	0.92	1

profi-air® touch sensor connection box / switch



Due to the profi-air sensor connection box, the following additional connection options are available:

- 4 external sensors (CO₂ and / or humidity)
- electric preheater
- electronic filter
- switch
- service contact OFF

The scope of delivery includes:

- sensor connection box
- 5-pole CAN bus system cable (2 m)

Compatible with 78300725 and 78300740.

Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air touch sensor connection box							
		L [mm]	W [mm]	H [mm]		[kg/pc.]	[pc.]
78300830	Sensor connection box	125	125	75	ABS	0.12	1



4-mode switch for profi-air 250 / 400 touch control. The integrated 24 V LED luminaire shows the current power level of the ventilation unit with the help of a flash code.

The scope of delivery includes:

- in-wall switch
- exposed frame, alpine white
- LED luminaire

Technical data

Switching voltage:

AC 250 V

Switching current:

10 AX

Connection:

spring clamps acc. to DIN VDE 0632 (EN 60 669)

Type of switch:

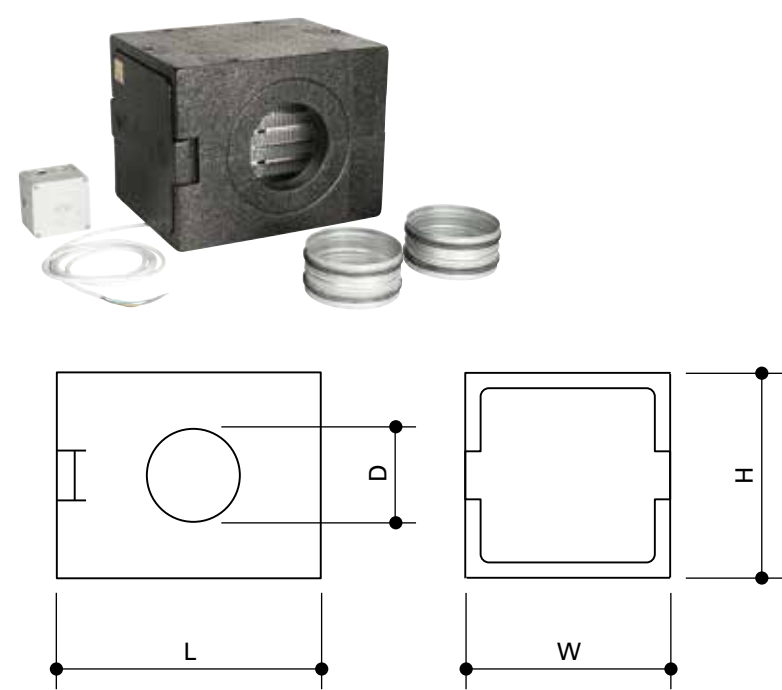
1-pole, make contact

Housing:

concealed

Cat. no.	Type	Dimensions			Colour	Packing unit
profi-air touch switch						
		L [mm]	W [mm]	H [mm]		[pc.]
78300833	Switch	80	80	15	Alpine white	1

profi-air® touch preheating element

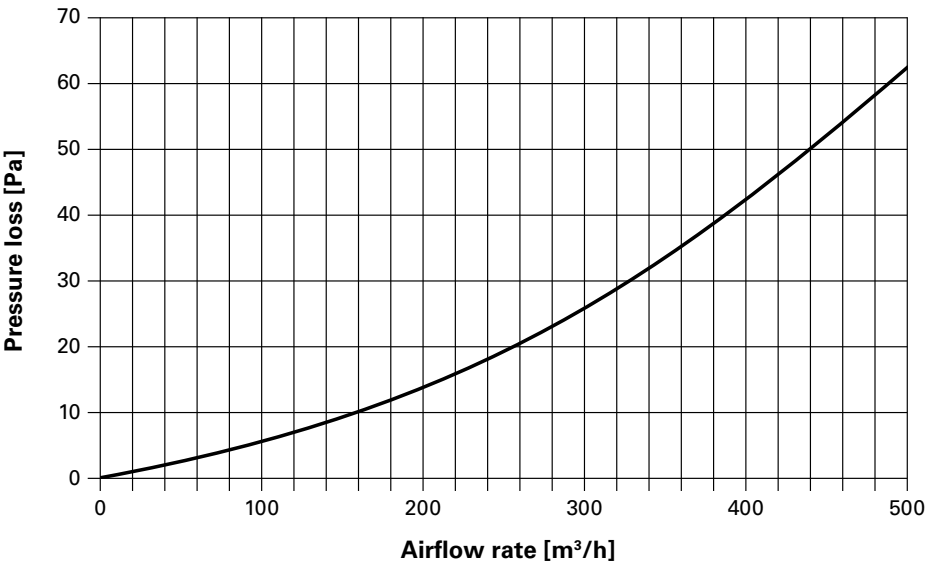


Preheating element for profi-air touch consisting of an EPP box with an integrated PTC heater coil and a G3 prefilter. The preheating element is a means of fresh air preheating, and in the field of heat recovery ventilation it is to be installed in the fresh air pipe.

- The scope of delivery includes:
- 2 x connecting nipples DN 160 with sealing lip
 - electric connection box with load relay
 - 3 m of connection cable

Technical data	
Electric connection:	110-240 VAC, 50/60 Hz; 3 m of cable with reinforced core ends
Heating performance:	max. 2 kW
Initial current:	max. 10 A
Safety components:	2-fold overheating safety switch, integrated in the circuit of the PTC heater coil
Airflow rate:	max. 500 m³/h
Air pipe connection:	DN 160 using included double nipples
Filter:	G3
Weight:	4.5 kg

Cat. no.	Type	Dimensions				Weight	Packing unit
		D	L	W	H		
		[mm]	[mm]	[mm]	[mm]	[kg/pc.]	[pc.]
78316830	DN 160 / 2 kW	160	423	330	330	4.50	1





CO₂ sensor for fully automatic control of profi-air 250 / 400 touch.

- CO₂ concentration in the room air
- alternating display of CO₂ concentration / room temperature display

Ventilation modes of profi-air 250 / 400 touch are switched as follows:

- Mode 2 = < 1,000 ppm
- Mode 3 = 1,000 - 1.500 ppm
- Mode 4 = > 1,500 ppm

Technical data

Principle of measurement: non-dispersive infrared technology
 Measuring range: 0 to 5,000 ppm CO₂
 Output: analogue output 0 to 10 V
 Voltage supply: 23 VAC ±20 %, 15 to 35 VDC
 LCD display: CO₂ (ppm) / T (°C or °F)
 Connection: screw terminals max. 1.5 mm²
 Operating conditions: 0 to 90 % rH (non-condensing) / -20 to 60 °C
 Housing: exposed

Cat. no.	Type	Dimensions			Colour	Weight	Packing unit
		L	W	H			
		[mm]	[mm]	[mm]		[kg/pc.]	[pc.]
78300831	CO ₂ sensor	85	100	26	White	0.08	1



Humidity sensor for fully automatic control of profi-air 250 / 400 touch.

- water content in the room air
- alternating display of water content / room temperature display

Ventilation modes of profi-air 250 / 400 touch are switched as follows:

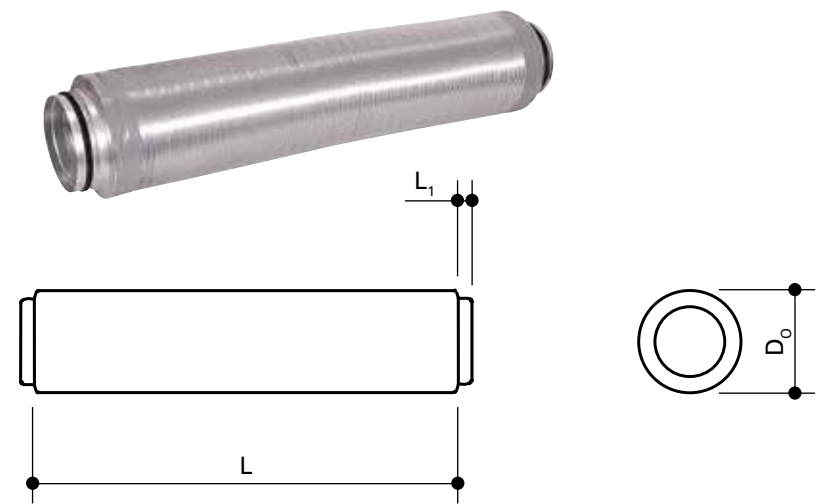
- Mode 2 = < 60 % relative humidity
- Mode 3 = 60 - 85 % relative humidity
- Mode 4 = > 85 % relative humidity

Technical data

Application area: 0 to 95 % relative humidity
 Output 0 to 100 % rH: analogue output 0 to 10 V
 Voltage supply: 15 to 40 VDC or 24 VAC ±20 %
 Display: humidity (rH) / T (°C or °F)
 Connection: screw terminals max. 1.5 mm²
 Operating temperature: -5 to +55 °C
 Housing: exposed

Cat. no.	Type	Dimensions			Colour	Weight	Packing unit
		L	W	H			
		[mm]	[mm]	[mm]		[kg/pc.]	[pc.]
78300832	Humidity sensor	85	100	26	White	0.08	1

profi-air® touch silencer

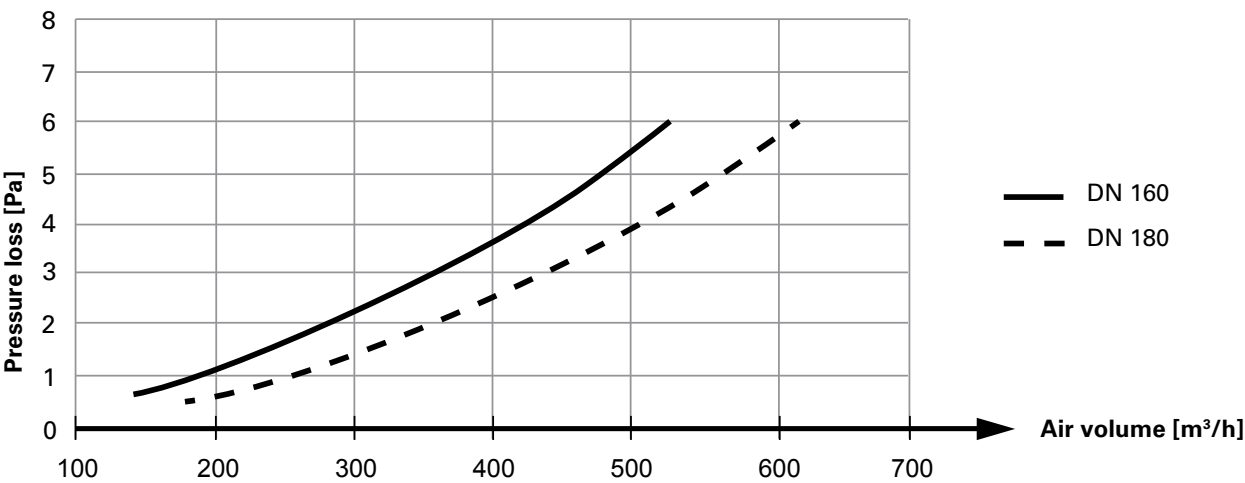


profi-air silencer consisting of two flexible aluminium pipes with a 25 mm sound damping layer of resin-bounded mineral wool. Flexibly bendable (min. 3 x outside DN). Lip sealings on silencer connections.

Cat. no.	Type	Dimensions		Material	Weight	Packing unit
profi-air touch silencer						
		L / L ₁ [mm]	D ₀ [mm]		[kg/pc.]	[pc.]
78316850	DN 160	1,000 / 55	210	Aluminium	1.25	1
78318850	DN 180	1,000 / 55	230	Aluminium	1.35	1

Insertion attenuation:

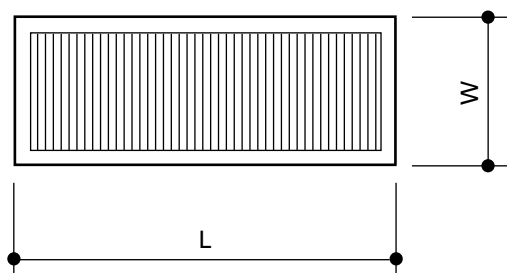
DN inside	DN outside pack of 25	Integral attenuation (dB) in octave bands (Hz) TSD 1,000 mm long						
		125 Hz	250 Hz	500 Hz	1,000 Hz	2,000 Hz	4,000 Hz	8,000 Hz
160	210	2	4	10	23	43	18	14
180	230	2	3	9	22	35	15	12



profi-air® touch replacement filter



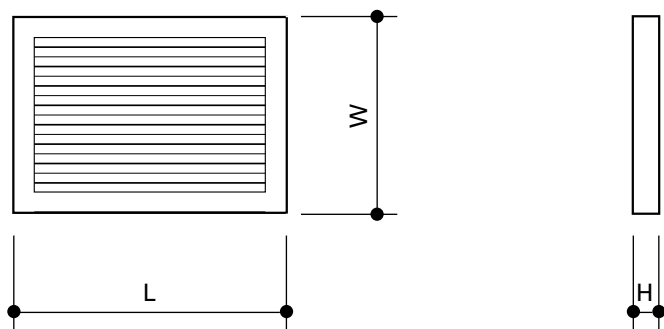
Rectangular cardboard filter for profi-air touch with a filter medium folded in V-shape.



Cat. no.	Type	Dimensions			Material	Weight	Packing unit
	profi-air touch replacement filter						
		L [mm]	W [mm]	H [mm]		[kg/pc.]	[pc.]
78300890	F5	350	143	29	Polyester fibre	0.08	1
78300892	F7	350	143	29	Polyester fibre	0.08	1
78300891	G4	350	143	29	Polyester fibre	0.08	1



Rectangular cardboard filter for profi-air touch preheating element with a filter medium folded in V-shape.

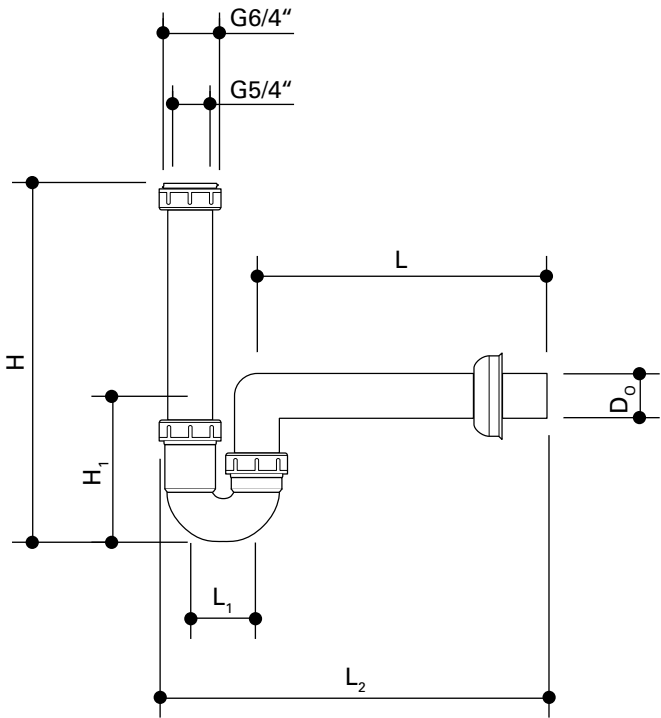


Cat. no.	Type	Dimensions			Material	Weight	Packing unit
	profi-air touch exhaust air replacement filter for profi-air preheating element						
		L [mm]	W [mm]	H [mm]		[kg/pc.]	[pc.]
78300893	G3	350	250	26	Polyester fibre	0.14	1

profi-air® touch condensate siphon



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



Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air touch condensate siphon							
		D ₀ [mm]	L / L ₁ / L ₂ [mm]	H / H ₁ [mm]		[kg/pc.]	[pc.]
78300801	5/4"	40	260 / 60 / 340	160-315 / 115	PP	0.25	1

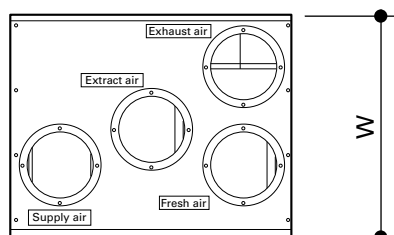
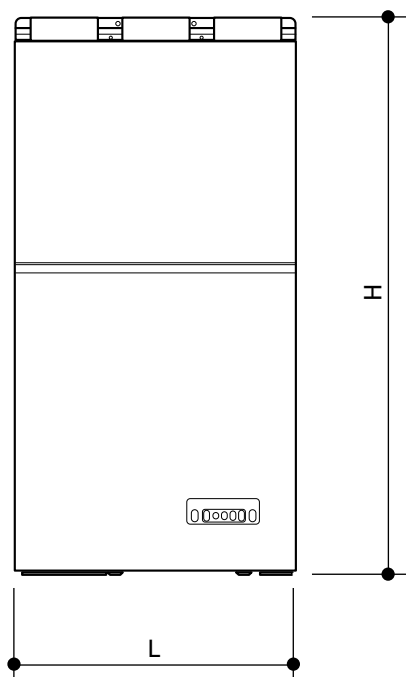
profi-air® 180 sensor ventilation unit



Heat recovery ventilation unit with an integrated control unit to put into operation and control the ventilation unit. With integrated extract air humidity sensor to automatically adjust the air volume. Cross-flow heat exchanger with summer bypass (manual), filter class supply air / extract air G4.

Including 4 x cuffs DN 125, wall rail and 19 mm condensate drain hose.

- Energy efficiency grade A
- DIBt approval



Cat. no.	Type	Dimensions			Weight	Packing unit
		L	W	H		
	profi-air 180 sensor ventilation unit	[mm]	[mm]	[mm]	[kg/pc.]	[pc.]
78300718	180 sensor (180 m³/h, max 185 Pa) Connection size DN 125	530	419	1,005	33.00	1

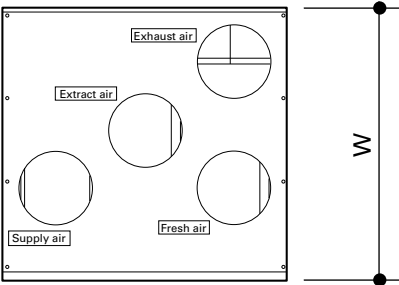
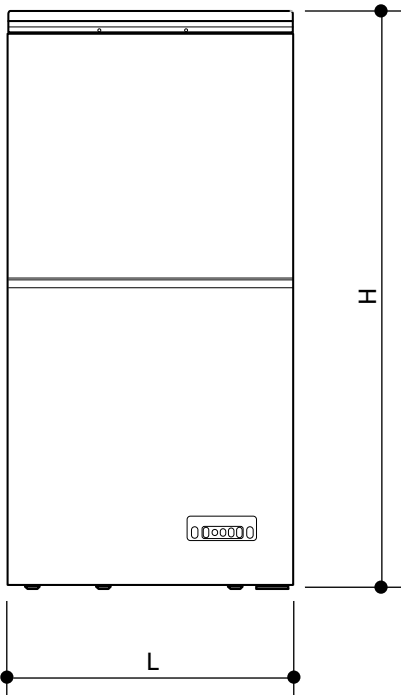
profi-air® 300 sensor ventilation unit



Heat recovery ventilation unit with an integrated control unit to put into operation and control the ventilation unit. With integrated extract air humidity sensor to automatically adjust the air volume. Cross-flow heat exchanger with summer bypass (automatic), filter class supply air / extract air G4.

Including wall rail and 19 mm condensate drain hose.

- Energy efficiency grade A
- DIBt approval



Cat. no.	Type	Dimensions			Weight	Packing unit
profi-air 300 sensor ventilation unit						
		L [mm]	W [mm]	H [mm]	[kg/pc.]	[pc.]
78300730	300 sensor (300 m³/h, max 190 Pa) Connection size DN 160	590	569	1,055	45.00	1

Product data sheet profi-air® 180 / 300 sensor ventilation unit

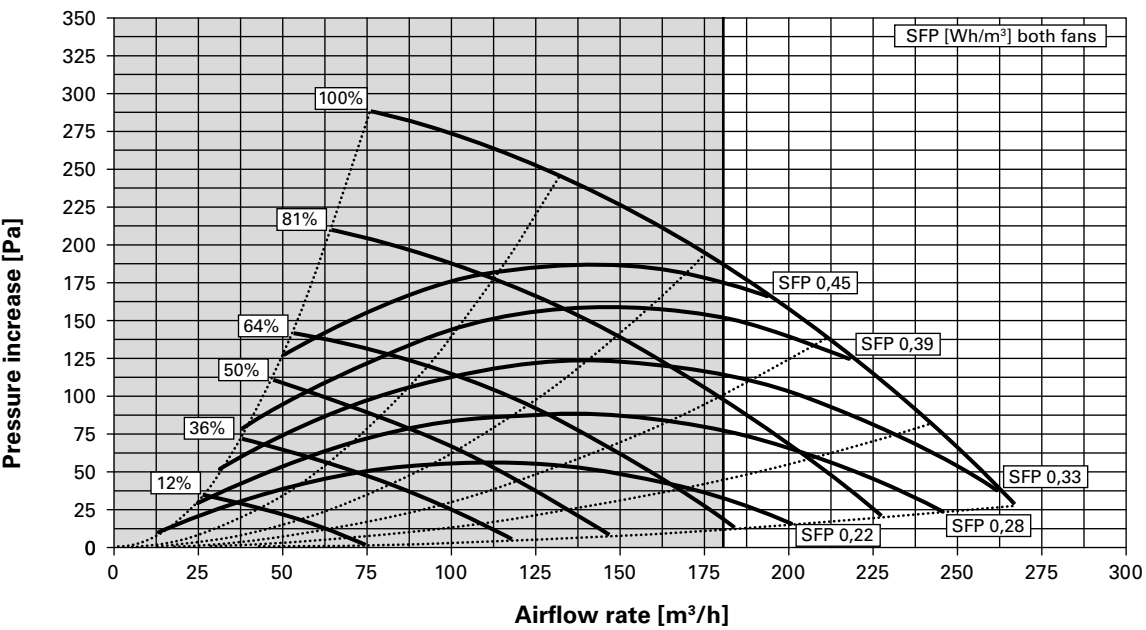
Unit type	profi-air 180 sensor		profi-air 300 sensor	
Weight	approx. 33 kg		approx. 45 kg	
Dimensions (W x D x H)	1,005 x 530 x 419 mm		1,055 x 590 x 569 mm	
Depth incl. mounting rail	434 mm		584 mm	
Heat exchanger				
Type	Cross-flow plate heat exchanger, water-resistant, frost-proof		Cross-flow plate heat exchanger, water-resistant, frost-proof	
Material	Aluminium		Aluminium	
Max. heat recovery efficiency	85 %		90 %	
Fans				
Type	2 x EC fans		2 x EC fans	
Network connection	230 V / ~50 Hz		230 V / ~50 Hz	
Performance				
Recommended application	70 to 180 m³/h		90 to 300 m³/h	
max. power input	88 W		154 W	
max. power consumption	0.4 A		0.7 A	
Fuse protection (on site)	16.0 A delay fuse (cable 3 x 1.5 mm²)		16.0 A delay fuse (cable 3 x 1.5 mm²)	
Filter				
	Supply air	Extract air	Supply air	Extract air
Filter class	G4, F7 optionally	G4	G4, F7 optionally	G4
Connection				
Air connection	Ø 125 mm		Ø 160 mm	
Tests and approvals				
	- DIBt® (General building authority approval) - SAP App. Q - Clima HousePartner		- DIBt® (General building authority approval) - SAP App. Q - Clima HousePartner	

Product data sheet profi-air® 180 / 300 sensor ventilation unit

Performance diagram of airflow rate

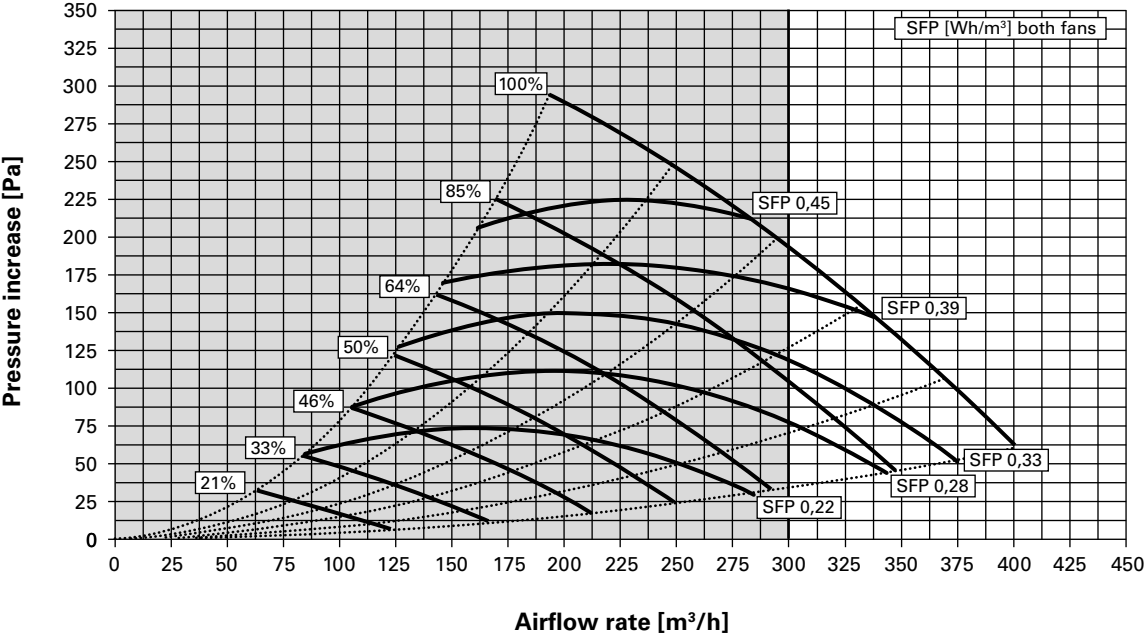
profi-air 180 sensor

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



profi-air 300 sensor

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



Product data sheet according to the ErP directive

profi-air 180 sensor

Manufacturer		FRÄNKISCHE Rohrwerke Gebr. Kirchner GmbH & Co. KG Hellinger Straße 1, 97486 Königsberg/Germany		
Type of product		profi-air 180 sensor		
Catalogue number		78300718		
Additional equipment		None		
Specific energy consumption	SEC	cold	-75.9	[kWh/(m² a)]
		average	-38.9	
		warm	-15.1	
Energy efficiency grade		A		
Type		RVU / BVU		
Type of drive		VSD		
Type of heat recovery		Recuperation		
Thermal efficiency	η _t	83	[%]	
Highest airflow rate		180	[m³/h]	
Electric power input		88	[W]	
Sound power level	L _{WA}	50	[dB[A]]	
Reference airflow rate		0.035 126	[m³/s] [m³/h]	
Reference pressure difference		50	[Pa]	
Specific power input	SPI	0.22	[W/(m³/h)]	
Control typology		Central demand control		
Control factor		0.85		
Highest internal air leakage rate		0.7	[%]	
Highest external air leakage rate		2.0	[%]	
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	7.81	[kWh/(m² a)]
		average	2.44	
		warm	1.99	
Annual heating energy savings	AHS	cold	86.6	[kWh/(m² a)]
		average	44.3	
		warm	20.0	

Product data sheet according to the ErP directive

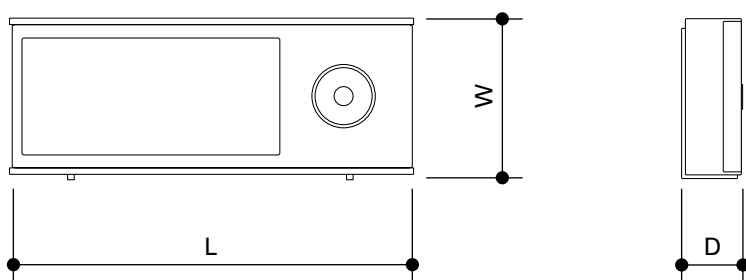
profi-air 300 sensor

Manufacturer		FRÄNKISCHE Rohrwerke Gebr. Kirchner GmbH & Co. KG Hellinger Straße 1, 97486 Königsberg/Germany		
Type of product		profi-air 300 sensor		
Catalogue number		78300730		
Additional equipment		None		
Specific energy consumption	SEC	cold	-79.2	[kWh/(m² a)]
		average	-40.8	
		warm	-16.2	
Energy efficiency grade		A		
Type		RVU / BVU		
Type of drive		VSD		
Type of heat recovery		Recuperation		
Thermal efficiency	η _t	88	[%]	
Highest airflow rate		300	[m³/h]	
Electric power input		154	[W]	
Sound power level	L _{WA}	49	[dB[A]]	
Reference airflow rate		0.058 210	[m³/s] [m³/h]	
Reference pressure difference		50	[Pa]	
Specific power input	SPI	0.20	[W/(m³/h)]	
Control typology		Central demand control		
Control factor		0.85		
Highest internal air leakage rate		0.4	[%]	
Highest external air leakage rate		2.5	[%]	
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	7.63	[kWh/(m² a)]
		average	2.26	
		warm	1.81	
Annual heating energy savings	AHS	cold	89.5	[kWh/(m² a)]
		average	45.8	
		warm	20.7	

profi-air® 180 / 300 sensor wireless remote control

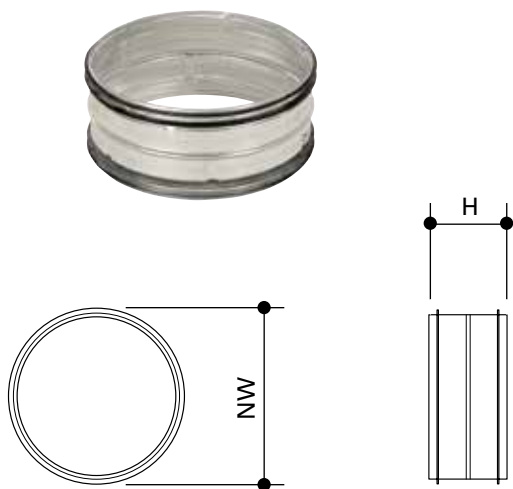


As an optional control unit to control the ventilation unit via radio, with LCD display.



Cat. no.	Type	Dimensions			Colour	Weight	Packing unit
profi-air 180 / 300 sensor wireless remote control							
		L mm	W mm	D mm		[kg/pc.]	[pc.]
78300836	for profi-air 180 / 300 sensor	150	60	22	White	0.40	1

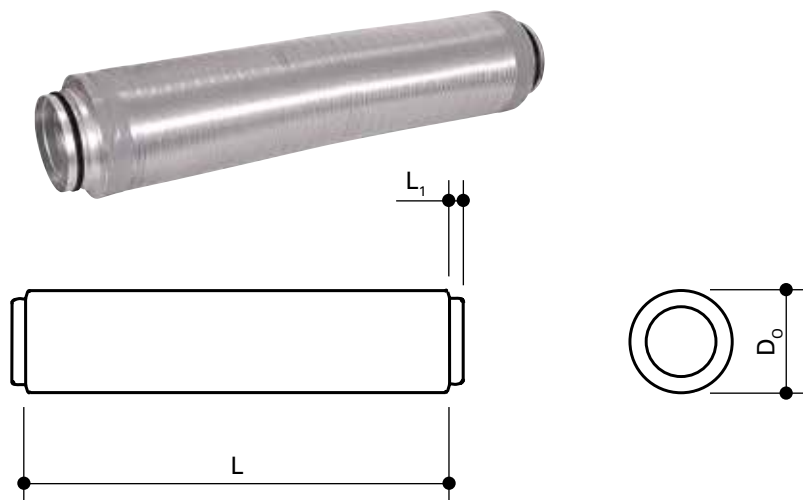
profi-air[®] 300 sensor connection set



profi-air connection set consisting of four steel double nipples with circumferential rubber sealing on both sides.

Cat. no.	Type	Dimensions		Application		Material	Weight	Packing unit
profi-air 300 sensor connection set		H	NW	Iso pipe	Spiral duct		[kg/pc.]	[pc.]
		[mm]	[mm]					
78316820	4 x DN 160	80	160	x	x	Steel	0.92	1

profi-air® 180 / 300 sensor silencer

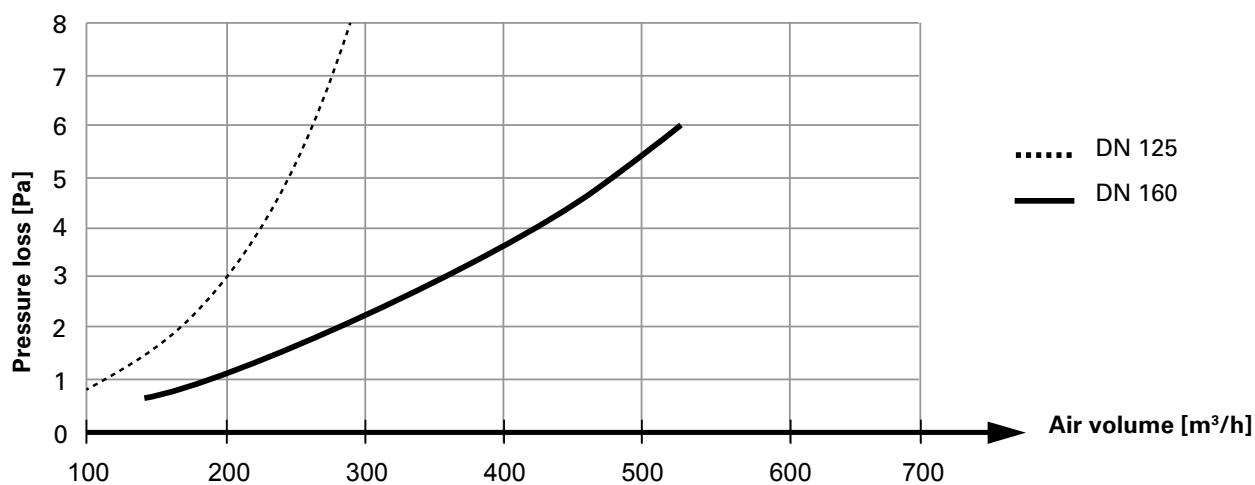


profi-air silencer consisting of two flexible aluminium pipes with a 25 mm sound damping layer of resin-bounded mineral wool. Flexibly bendable (min. 3 x outside DN). Lip sealings on silencer connections.

Cat. no.	Type	Dimensions		Material	Weight	Packing unit
profi-air 180 / 300 sensor silencer						
		L / L ₁ [mm]	D _o [mm]		[kg/pc.]	[pc.]
78312850	DN 125	1,000 / 55	180	Aluminium	1.20	1
78316850	DN 160	1,000 / 55	210	Aluminium	1.25	1

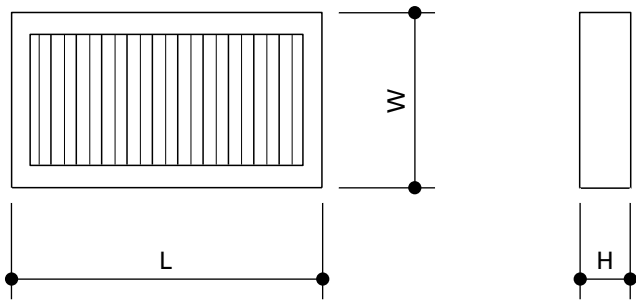
Insertion attenuation:

DN inside	DN outside pack of 25	Integral attenuation (dB) in octave bands (Hz) TSD 1,000 mm long						
		125 Hz	250 Hz	500 Hz	1,000 Hz	2,000 Hz	4,000 Hz	8,000 Hz
125	180	5	8	18	35	58	33	27
160	210	2	4	10	23	43	18	14



profi-air® 180 / 300 sensor replacement filter sets

Consisting of 1 x supply air filter /
 1 x extract air filter.



Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air 180 / 300 sensor replacement filter set							
		L	W	H			
		[mm]	[mm]	[mm]		[kg/pc.]	[pc.]
78300880	G4 / G4 for profi-air 180 sensor	289	164	48	Polyester fibre	0.55	1
78300881	G4 / F7 for profi-air 180 sensor	289	164	48	Polyester fibre	0.65	1
78300882	G4 / G4 for profi-air 300 sensor	434	184	48	Polyester fibre	0.75	1
78300883	G4 / F7 for profi-air 300 sensor	434	184	48	Polyester fibre	0.93	1

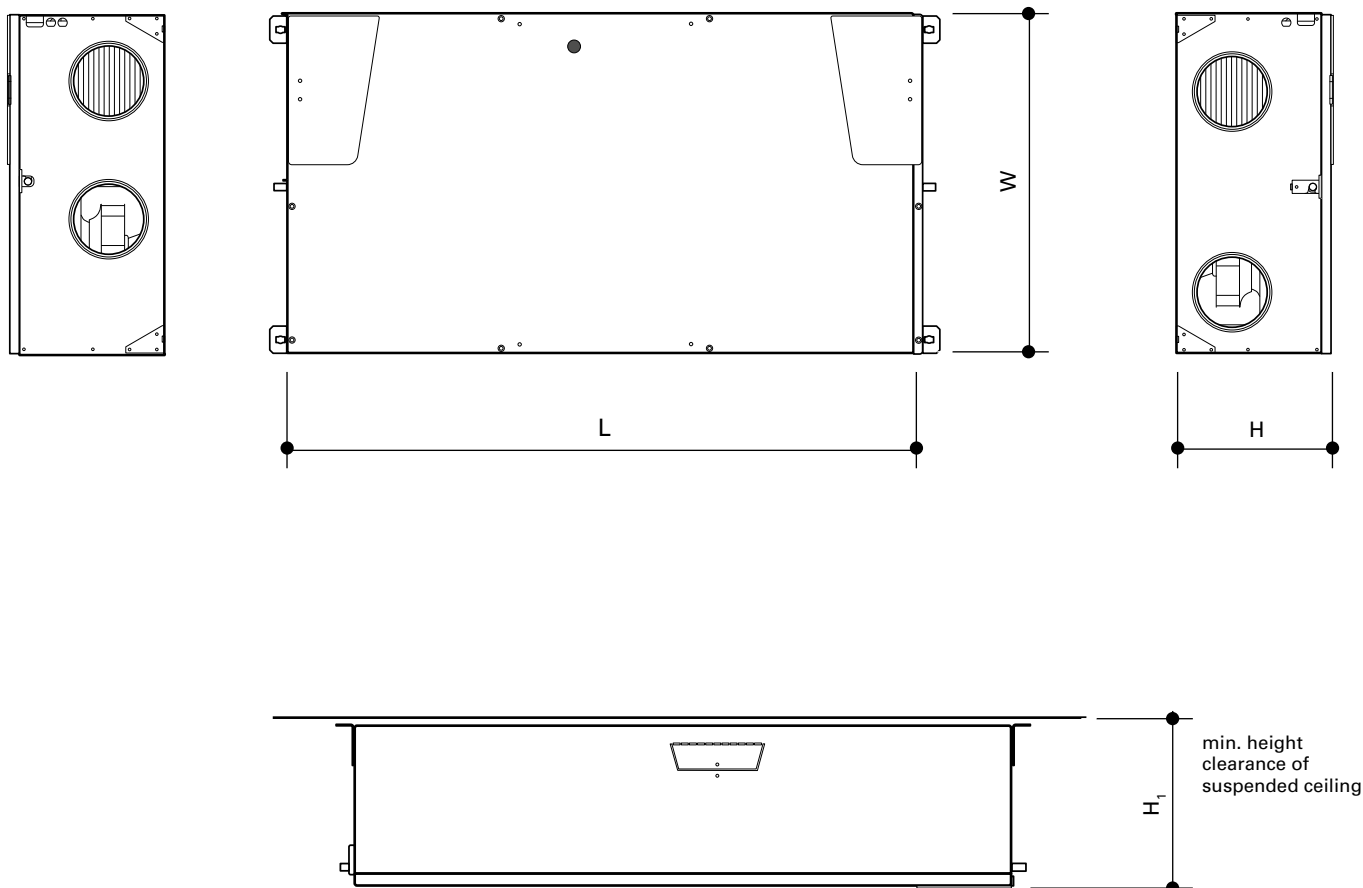
profi-air® 180 flat ventilation unit



Flat heat recovery ventilation unit for ceiling or wall installation. On-site adjustment of air connections possible. Cross-flow heat exchanger with summer bypass (automatic), filter class supply air / extract air G4. Internal sensors to automatically adjust the air volume can be connected (see accessories).

Including control panel with 6 m connection cable to put into operation and control, mounting rail and 19 mm condensate drain hose.

- Energy efficiency grade A
- DIBt approval



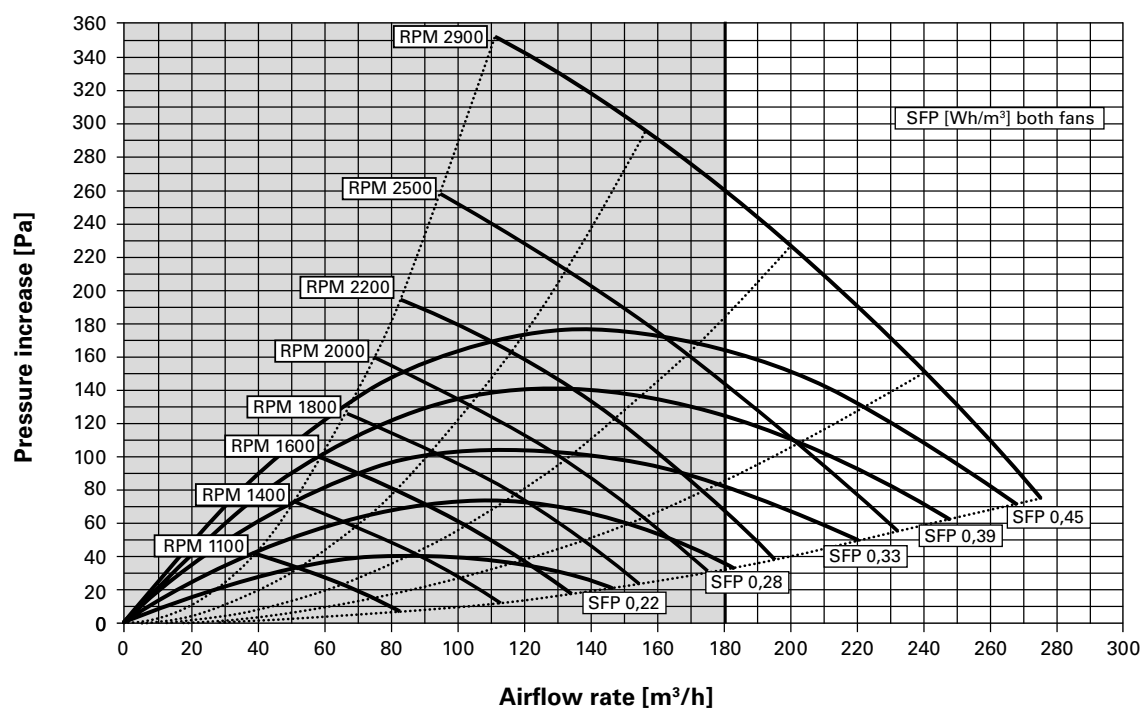
Cat. no.	Type	Dimensions			Weight	Packing unit
profi-air 180 flat ventilation unit						
		L [mm]	W [mm]	H / H ₁ [mm]	[kg/pc.]	[pc.]
78305718	180 flat (180 m³/h, max 260 Pa) Connection size DN 125	1,122	600	279 / 300	34.00	1

Product data sheet profi-air® 180 flat ventilation unit

Unit type		profi-air 180 flat	
Weight		approx. 34 kg	
Dimensions (W x D x H)		600 x 279 x 1,122 mm	
Height incl. mounting rail (ceiling installation)		300 mm	
Heat exchanger			
Type		Cross-flow plate heat exchanger, water-resistant, frost-proof	
Material		Plastic	
Max. heat recovery efficiency		up to 95 %	
Fans			
Type		2 EC fans	
Network connection		230 V / ~50 Hz	
Performance			
Recommended application		70 to 180 m³/h	
Max. power input (without / with preheating element)		127 W / 1,196 W	
Current		1.2 A	
Fuse protection (on site)		16.0 A delay fuse (cable 3 x 1.5 mm²)	
Filter			
		Supply air	Extract air
Filter class		G4, F7 optional	G4
Connection			
Air connection		Ø 125 mm	
Tests and approvals			
		- DIBt® (General building authority approval) - EN 13141-7 - SAP App. Q - Clima House Partner	

Performance diagram of airflow rate

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



Product data sheet according to the ErP directive

profi-air 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	-77.68	[kWh/(m² a)]
		average	-38.50	
		warm	-13.43	
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		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 integrated 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	91.13	[kWh/(m² a)]
		average	46.58	
		warm	21.06	

Product data sheet according to the ErP directive

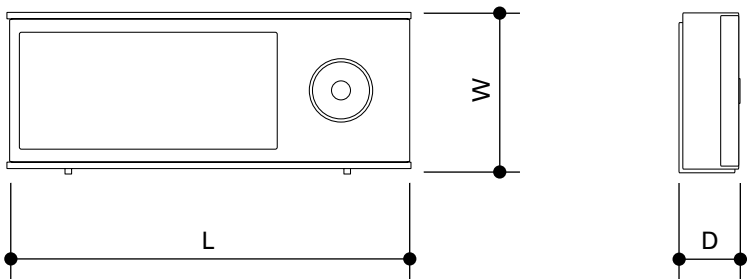
profi-air 180 flat with sensors

Manufacturer		FRÄNKISCHE Rohrwerke Gebr. Kirchner GmbH & Co. KG Hellinger Straße 1, 97486 Königsberg/Germany		
Type of product		profi-air 180 flat with sensors		
Catalogue number		78305718		
Additional equipment		min. 2 sensors 78300841		
Specific energy consumption	SEC	cold	-83.23	[kWh/(m² a)]
		average	-43.33	
		warm	-17.84	
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 integrated 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	92.63	[kWh/(m² a)]
		average	47.35	
		warm	21.41	

profi-air® 180 flat wireless remote control



As an optional control unit to control the ventilation unit via radio, with LCD display.



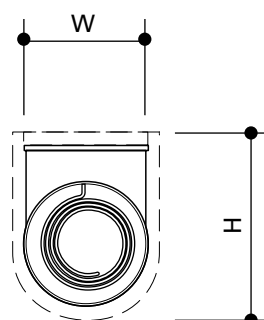
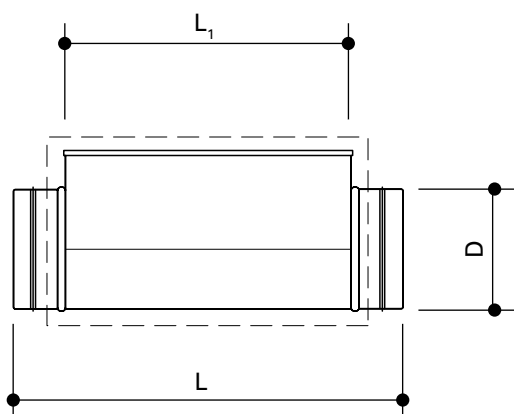
Cat. no.	Type	Dimensions			Colour	Weight	Packing unit
	profi-air 180 flat wireless remote control						
		L [mm]	W [mm]	D [mm]		[kg/pc.]	[pc.]
78300837	for profi-air 180 flat	150	60	22	White	0.40	1

profi-air® 180 flat defroster heating



The profi-air defroster heating is an air preheating device which can be integrated in the fresh air pipe of the profi-air 180 flat ventilation unit and which serves to protect the heat exchanger from freezing condensate. The defroster heating can be switched on and off through the frost protection strategy stored in the ventilation device.

The profi-air wireless remote control (78300837) is required to put the defroster heating into operation.



Cat. no.	Type	Dimensions				Material	Weight	Packing unit
profi-air 180 flat defroster heating								
		D [mm]	L / L ₁ [mm]	W [mm]	H [mm]		[kg/pc.]	[pc.]
78312830	DN 125 / 0.9 kW for profi-air 180 flat	125	370 / 270	125	157	Steel plate	2.80	1

profi-air® 180 flat VOC sensor / humidity sensor



To be installed in the ventilation unit (extract air side) incl. cable. Using the sensor, the air volume can be automatically controlled as required.

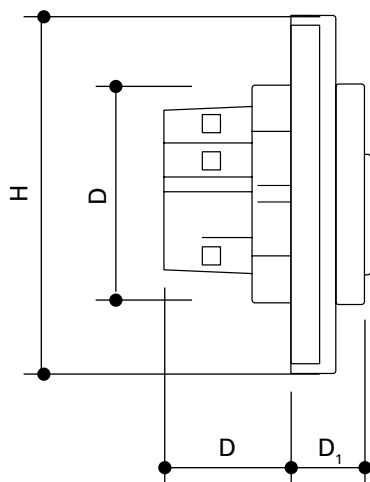
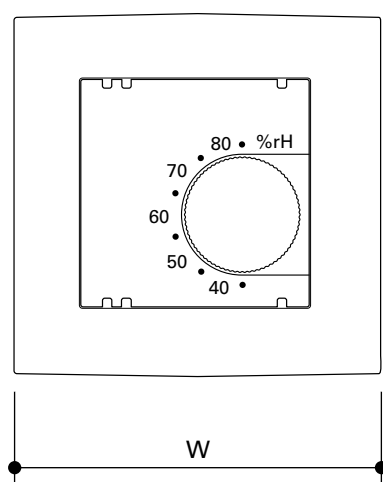
Cat. no.	Type	Weight	Packing unit
	profi-air 180 flat VOC sensor		
		[kg/pc.]	[pc.]
78300834	for profi-air 180 flat	0.10	1



To be installed in the ventilation unit (extract air side) incl. cable. Using the sensor, the air volume can be automatically controlled as required.

Cat. no.	Type	Weight	Packing unit
	profi-air 180 flat humidity sensor		
		[kg/pc.]	[pc.]
78300835	for profi-air 180 flat	0.10	1

profi-air® 180 flat room humidistat



Fully automatic control for comfort ventilation:

- Water content as an indicator of ambient air pollution
- Saving of energy due to needs-based ventilation

Switching of the ventilation modes with installed room humidistat:

The target value for ambient air humidity can be set at the room humidistat.

- If the humidity exceeds the set target value, the room humidistat overwrites all control signals and increases ventilation to ventilation mode 3.
- If the humidity drops below the set target value, the previous control signals resume control of the unit again.

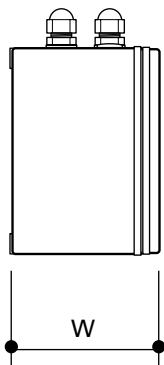
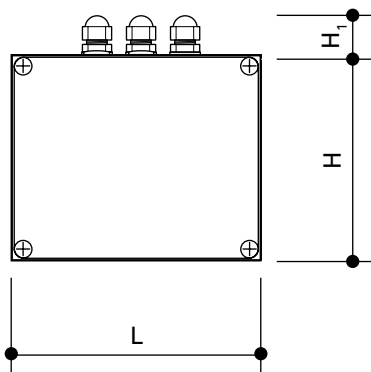
Cat. no.	Type	Dimensions				Colour	Weight	Packing unit
profi-air 180 flat room humidistat								
		D [mm]	L [mm]	H [mm]	D / D ₁ [mm]		[kg/pc.]	[pc.]
78300841	for profi-air 180 flat	47	81	85	26.5 / 16	White	0.10	1

profi-air® 180 flat connection box



The connection box allows more electric connections at the profi-air 180 flat to extend the range of functions. The following additional connections are possible after installation:

- fire alarm
- standby switch
- room humidistat
- external fan activation
- filter alarm
- fault alarm



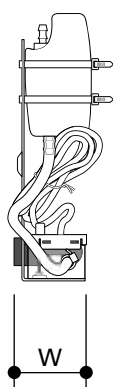
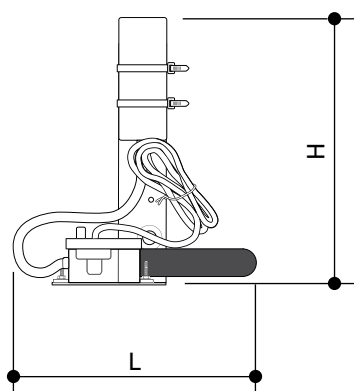
Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air 180 flat connection box							
		L [mm]	W [mm]	H / H ₁ [mm]		[kg/pc.]	[pc.]
78300838	for profi-air 180 flat	170	100	140	Plastic	0.90	1

profi-air® 180 flat condensate pump / connection set



The profi-air condensate pump is used to reliably discharge condensate if no free condensate flow at a gradient of 2 % can be provided.

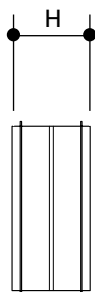
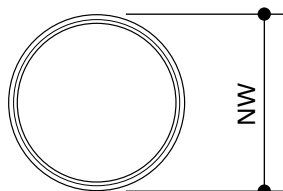
It features a magnetic float switch and therefore only operates if there is actually condensate in the heat exchanger.



Cat. no.	Type	Dimensions			Weight	Packing unit
		L	W	H		
	profi-air 180 flat condensate pump	[mm]	[mm]	[mm]	[kg/pc.]	[pc.]
78300840	for profi-air 180 flat	180	50	210	1.00	1

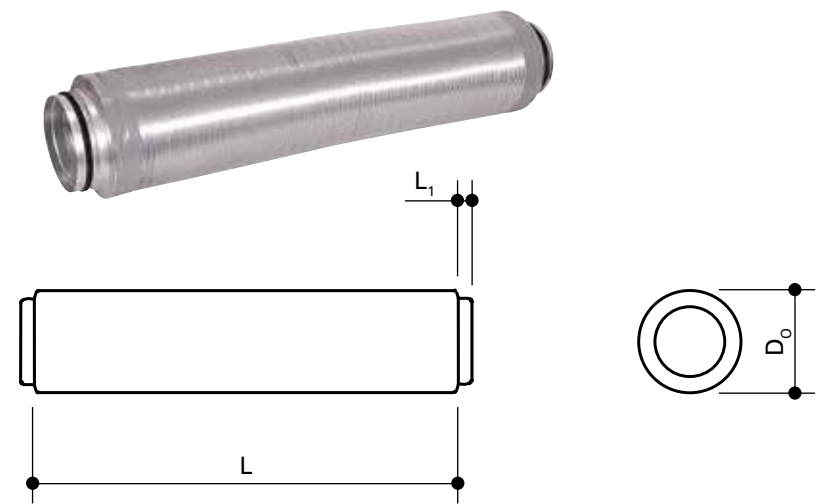


profi-air connection set consisting of four steel double nipples with circumferential rubber sealing on both sides.



Cat. no.	Type	Dimensions		Application		Material	Weight	Packing unit
		H	NW	Iso pipe	Spiral duct			
	profi-air flat connection set	[mm]	[mm]				[kg/pc.]	[pc.]
78312820	4 x DN 125	80	125	x	x	Steel	0.70	1

profi-air® 180 flat silencer

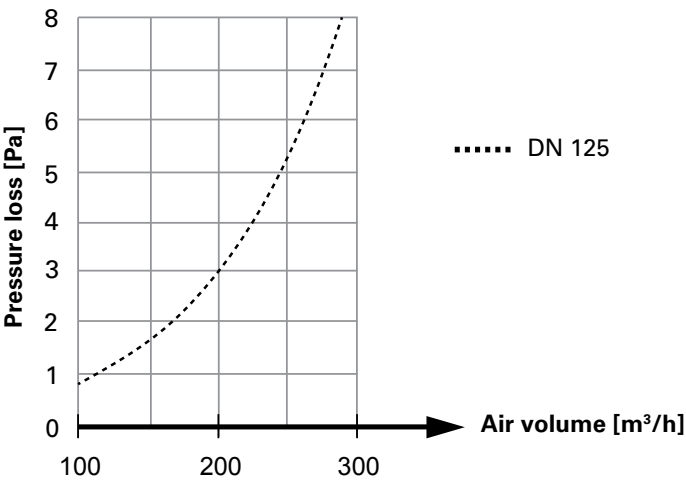


profi-air silencer consisting of two flexible aluminium pipes with a 25 mm sound damping layer of resin-bounded mineral wool. Flexibly bendable (min. 3 x outside DN). Lip sealings on silencer connections.

Cat. no.	Type	Dimensions		Material	Weight	Packing unit
profi-air 180 flat silencer						
		L / L ₁ [mm]	D _o [mm]		[kg/pc.]	[pc.]
78312850	DN 125	1,000 / 55	180	Aluminium	1.20	1

Insertion attenuation:

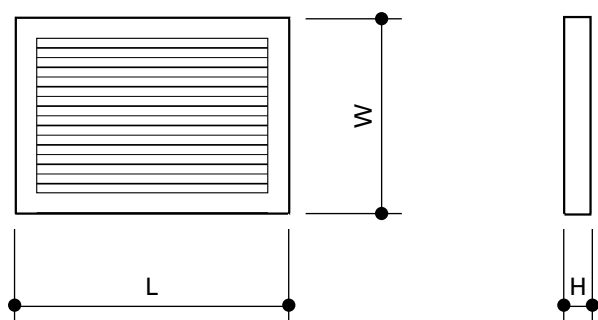
DN inside	DN outside pack of 25	Integral attenuation (dB) in octave bands (Hz) TSD 1,000 mm long						
		125 Hz	250 Hz	500 Hz	1,000 Hz	2,000 Hz	4,000 Hz	8,000 Hz
125	180	5	8	18	35	58	33	27



profi-air® 180 flat replacement filter sets



Rectangular cardboard filter for profi-air touch preheating element with a filter medium folded in V-shape.



Cat. no.	Type	Dimensions			Material	Weight	Packing unit
profi-air 180 flat replacement filter set							
		L	W	H			
		[mm]	[mm]	[mm]		[kg/pc.]	[pc.]
78300884	G4/G4 for profi-air 180 flat	221	203	48	Polyester fibre	0.22	1
78300885	G4/F7 for profi-air 180 flat	221	203	48	Polyester fibre	0.30	1

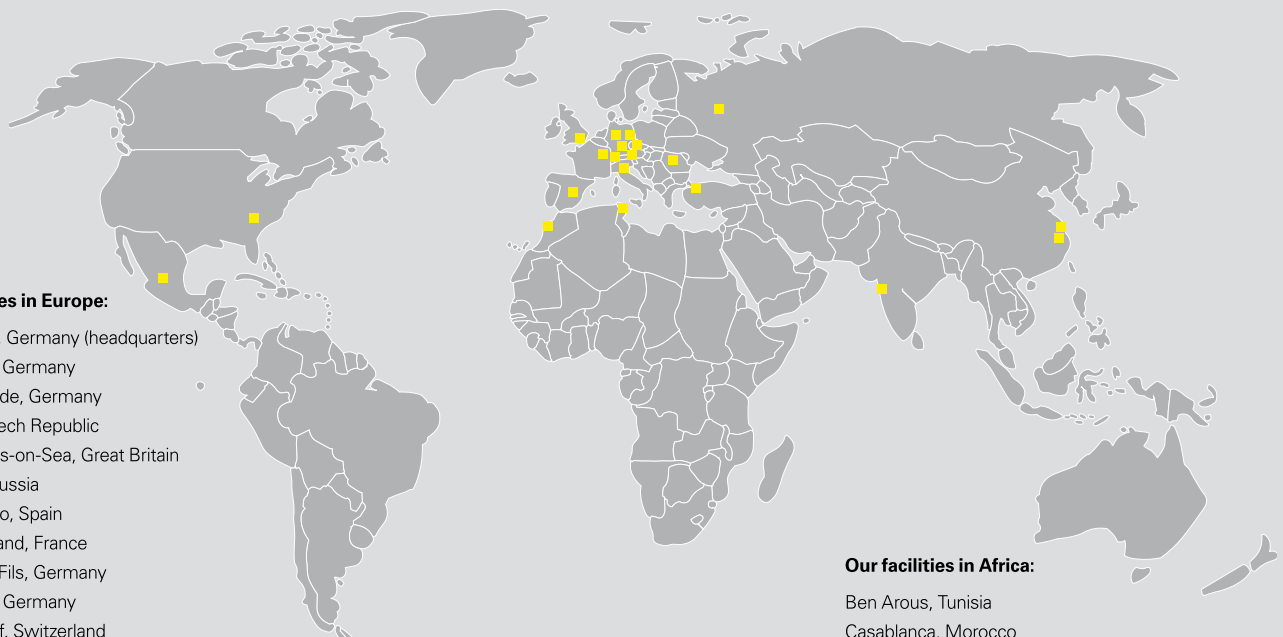
Notes

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Notes

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Moscow, Russia
Yeles/Toledo, Spain
Torcy-le-Grand, France
Ebersbach/Fils, Germany
Hermsdorf, Germany
Mönchaltorf, Switzerland
Milan, Italy
Istanbul, Turkey
Cluj, Romania
Wels, Austria

Our facilities in Asia:

Anting/Shanghai, China
Hangzhou, China
Pune, India

Our facilities in Africa:

Ben Arous, Tunisia
Casablanca, Morocco

Our facilities in North America and Mexico:

Anderson, USA
Guanajuato, Mexico

FRÄNKISCHE is an innovative, growth-oriented, medium-sized family-owned enterprise and industry leader in the design, manufacturing and marketing of technically superior corrugated pipe systems for drainage, electrical, building technology and industrial applications.

We currently employ about 4,200 people worldwide. Both our many years of experience and expertise in plastics process-

ing, our consulting services and the large array of products are highly valued by our customers.

FRÄNKISCHE is a third generation family owned business that was established in 1906 and is now run by Otto Kirchner. Today, we are globally represented with production facilities and sales offices. The proximity to our customers enables us to develop products and solutions that

are perfectly tailored to our customers' needs. Our action and business philosophy focus on our customers and their needs and requirements for our products.

FRÄNKISCHE – Your partner for sophisticated and technologically advanced solutions.