IsoPipe facade panels


IP-FKB


IP-FBF


IP-FBA

IsoPipe facade panels made of stainless steel for connection to intake air and exhaust air ducts.

Properties
All IsoPipe facade panels are made of high-quality stainless steel.
Also available in coated version (types B) for use in environments with severe air pollution or high salt concentration in the air (near the coast).

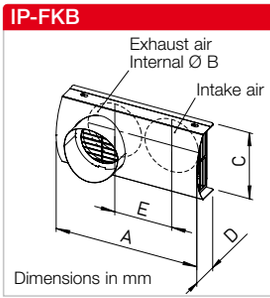
Application and installation

☐ **Facade combination panel IP-FKB**
Designed for the compact installation of IsoPipe intake air and exhaust air ducts with just one facade panel. Universally applicable for horizontal or vertical installation.

☐ **Exhaust air facade panel IP-FBF**
For the IsoPipe duct system. Horizontal installation position. The exhaust air is discharged directly and horizontally through the duct connectors.

☐ **Intake air facade panel IP-FBA**
For the IsoPipe duct system. Horizontal installation position. The intake air is taken in through the side on both sides.

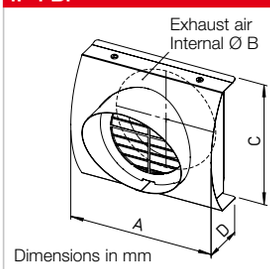
IP-FKB



Dimensions in mm

IsoPipe Ø 125 mm		IsoPipe Ø 160 mm		IsoPipe Ø 180 mm	
Type	Ref. no.	**Type**	Ref. no.	**Type**	Ref. no.
Facade combination panel – Stainless steel					
IP-FKB 125	02689	**IP-FKB 160**	02694	**IP-FKB 180**	02695
Dim. in mm	A ØB C D E	Dim. in mm	A ØB C D E	Dim. in mm	A ØB C D E
	420 157 200 100 170		480 192 240 118 210		520 212 290 150 230
Facade combination panel – Stainless steel with additional coating					
IP-FKB 125 B	02661	**IP-FKB 160 B**	02662	**IP-FKB 180 B**	02663
Dim. in mm	A ØB C D E	Dim. in mm	A ØB C D E	Dim. in mm	A ØB C D E
	420 157 200 100 170		480 192 240 118 210		520 212 290 150 230

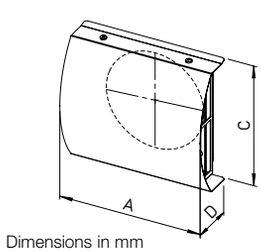
IP-FBF



Dimensions in mm

IsoPipe Ø 125 mm		IsoPipe Ø 160 mm		IsoPipe Ø 180 mm	
Type	Ref. no.	**Type**	Ref. no.	**Type**	Ref. no.
Facade panel – Stainl. steel, for exh. air					
IP-FBF 125	03126	**IP-FBF 160**	03128	**IP-FBF 180**	03131
Dim. in mm	A ØB C D	Dim. in mm	A ØB C D	Dim. in mm	A ØB C D
	230 157 200 78		265 192 240 97		285 212 260 126
Facade panel – Stainl. steel, for exh. air with additional coating					
IP-FBF 125 B	02901	**IP-FBF 160 B**	02902	**IP-FBF 180 B**	02903
Dim. in mm	A ØB C D	Dim. in mm	A ØB C D	Dim. in mm	A ØB C D
	230 157 200 78		265 192 240 97		285 212 260 126

IP-FBA



Dimensions in mm

IsoPipe Ø 125 mm		IsoPipe Ø 160 mm		IsoPipe Ø 180 mm	
Type	Ref. no.	**Type**	Ref. no.	**Type**	Ref. no.
Facade panel – Stainl. steel, for intake air					
IP-FBA 125	03125	**IP-FBA 160**	03127	**IP-FBA 180**	03130
Dim. in mm	A B C	Dim. in mm	A B C	Dim. in mm	A B C
	230 200 78		265 240 97		285 260 126
Facade panel – Stainl. steel, for intake air with additional coating					
IP-FBA 125 B	02664	**IP-FBA 160 B**	02665	**IP-FBA 180 B**	02666
Dim. in mm	A B C	Dim. in mm	A B C	Dim. in mm	A B C
	230 200 78		265 240 97		285 260 126



Installation

☐ Types IP-FKB are universally applicable for horizontal or vertical installation. Intake air and exhaust air outlet on the right, left, top or bottom.
The adjacent figure shows horizontal installation in an external wall.

☐ Types IP-FBF and IP-FBA for horizontal installation.

Insulated duct system IsoPipe



The innovative alternative to spiral duct installation with subsequent thermal insulation.

- **The insulated round duct system IsoPipe**
- **prevents condensation,**
- **has a smooth, sound-absorbing inner surface and is easy to clean,**
- **saves an enormous amount of installation time,**
- **is the ideal solution for intake air and exhaust air ducting.**

Installation

- All IsoPipe moulded parts, bends, wall outlets and roof outlets are precisely matched to each other and simply plugged into each other.
  IsoPipe is quick to install: Compared to the use of insulated spiral duct, the result is work time savings of up to 70 %.

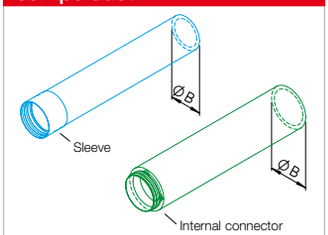
Properties

All pipe parts are fully insulated and consist of vapour-tight, antistatic EPE. Flame retardant according to fire class B1. Air flow temperature from –25 to +80 °C. λ = 0.04 W/mK, d = 16 mm.

Duct concept and installation

- IsoPipe is especially suitable for intake air and exhaust air ducting or supply air and extract air ducting in the basement or low-temperature zone of a KWL system.
- Can be used for volume flows up to 500 m^3/h.
- IsoPipe is shock-proof, particularly lightweight and it can easily be shortened to the desired length with a knife.

IsoPipe duct

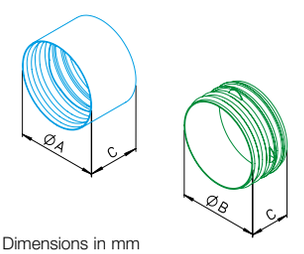


Dimensions in mm

IsoPipe Ø 125 mm				IsoPipe Ø 160 mm				IsoPipe Ø 180 mm				IsoPipe Ø 200 mm			
Type	Ref. no.	ØA	ØB	**Type**	Ref. no.	ØA	ØB	**Type**	Ref. no.	ØA	ØB	**Type**	Ref. no.	ØA	ØB
Duct with sleeve															
IP 125/2000 [1]	09406	—	157	—	—	—	—	—	—	—	—	—	—	—	—
Duct with internal connector															
—			—	**IP 160/2000** [2]	09447	—	192	**IP 180/2000** [3]	09448	—	212	**IP 200/2000** [4]	03810	—	232

[1] Unit = 8 x 2 m [2] Unit = 6 x 2 m [3] Unit = 4 x 2 m [4] Unit = 3 x 2 m

Sleeve / Internal connector

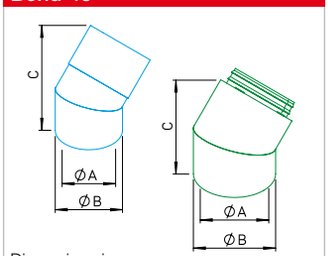


Dimensions in mm

IsoPipe Ø 125 mm					IsoPipe Ø 160 mm					IsoPipe Ø 180 mm					IsoPipe Ø 200 mm				
Type	Ref. no.	ØA	ØB	C	**Type**	Ref. no.	ØA	ØB	C	**Type**	Ref. no.	ØA	ØB	C	**Type**	Ref. no.	ØA	ØB	C
Connecting sleeve																			
IP-MU 125	09394	157	—	104	—	—		—		—	—		—		—	—		—	
Internal connector																			
—			—		**IP-IV 160**	09453	—	160	80	**IP-IV 180**	09454	—	180	80	**IP-IV 200**	03811	—	200	80

Made of plastic.

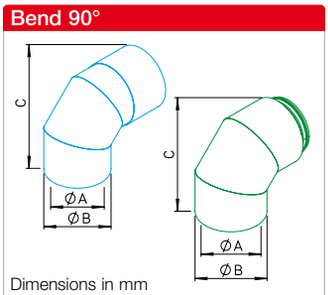
Bend 45°



Dimensions in mm

IsoPipe Ø 125 mm					IsoPipe Ø 160 mm					IsoPipe Ø 180 mm					IsoPipe Ø 200 mm				
Type	Ref. no.	ØA	ØB	C	**Type**	Ref. no.	ØA	ØB	C	**Type**	Ref. no.	ØA	ØB	C	**Type**	Ref. no.	ØA	ØB	C
Bend 45° with sleeve																			
IP-B 125/45	09399	125	157	255	—	—		—		—	—		—		—	—		—	
Bend 45° with int. connector																			
—			—		**IP-B 160/45**	09449	160	192	242	**IP-B 180/45**	09450	180	212	256	**IP-B 200/45**	03809	200	232	270

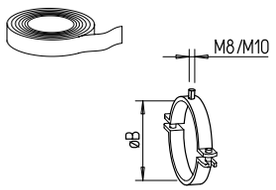
Bend 90°



Dimensions in mm

IsoPipe Ø 125 mm					IsoPipe Ø 160 mm					IsoPipe Ø 180 mm					IsoPipe Ø 200 mm				
Type	Ref. no.	ØA	ØB	C	**Type**	Ref. no.	ØA	ØB	C	**Type**	Ref. no.	ØA	ØB	C	**Type**	Ref. no.	ØA	ØB	C
Bend 90° with sleeve																			
IP-B 125/90	09398	125	157	239	—	—		—		—	—		—		—	—		—	
Bend 90° with int. connector																			
—			—		**IP-B 160/90**	09451	160	192	272	**IP-B 180/90**	09452	180	212	292	**IP-B 200/90**	03808	200	232	312

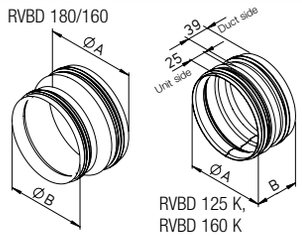
Tape / Pipe clamp



Dimensions in mm

IsoPipe Ø 125 mm			IsoPipe Ø 160 mm			IsoPipe Ø 180 mm			IsoPipe Ø 200 mm		
Type	Ref. no.	ØB	**Type**	Ref. no.	ØB	**Type**	Ref. no.	ØB	**Type**	Ref. no.	ØB
Tape, insulated, 50x3 mm, 15 lin. m											
IP-KLB	09643		**IP-KLB**	09643		**IP-KLB**	09643		**IP-KLB**	09643	
Pipe clamp											
IP-S 125	09395	157	**IP-S 160**	09392	192	**IP-S 180**	09421	212	**IP-S 200**	03812	232

Fittings for unit connection

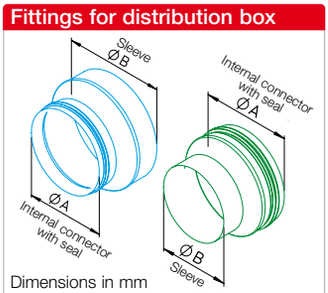


Dimensions in mm

IsoPipe Ø 125 mm				IsoPipe Ø 160 mm				IsoPipe Ø 180 mm				IsoPipe Ø 200 mm			
Type	Ref. no.	ØA	B	**Type**	Ref. no.	ØA	B	**Type**	Ref. no.	ØA	B	**Type**	Ref. no.	ØA	B
Connector with seal for connection to KWL units – with sleeve DN 125															
RVBD 125 K [1]	03414	125	70	—	—	—	—	—	—	—	—	—	—	—	—
Connector with seal for connection to KWL units – with sleeve DN 160															
—	—	—	—	**RVBD 160 K** [2]	03415	160	70	**RVBD 180/160** [2]	09589	180	160	—	—	—	—
Connector with seal for															
—	—	—	—	—	—	—	—	—	—	—	—	**RVBD 200 K**	03813	200	70

All fittings made of galvanised steel sheet.
[1] Compatible with KWL EC 170 W, KWL EC 200 W, KWL EC 300 W and KWL EC 220 D.
[2] Compatible with KWL EC 500 W and KWL EC 340 D.

Fittings for distribution box

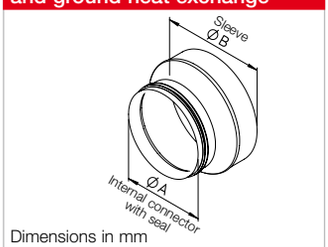


Dimensions in mm

IsoPipe Ø 125 mm				IsoPipe Ø 160 mm				IsoPipe Ø 180 mm				IsoPipe Ø 200 mm			
Type	Ref. no.	ØA	ØB	**Type**	Ref. no.	ØA	ØB	**Type**	Ref. no.	ØA	ØB	**Type**	Ref. no.	ØA	ØB
Fitting for connection to distribution boxes – with connector DN 125															
Direct duct connection				**IP-ARZ 125/160**	09458	160	125	—	—	—	—	—	—	—	—
Fitting for connection to distribution boxes – with connector DN 160															
IP-ARZ 160/125	09358	125	160	Direct duct connection				**IP-ARZ 160/180**	09459	180	160	**IP-ARZ 160/200**	03816	200	160
Fitting for connection to distribution boxes – with connector DN 180															
IP-ARZ 180/125	09360	125	180	**IP-ARZ 180/160**	09455	160	180	Direct duct connection				**IP-ARZ 180/200**	03814	200	180

All fittings made of galvanised steel sheet.

Fittings for KWL HygroBox and ground heat exchange

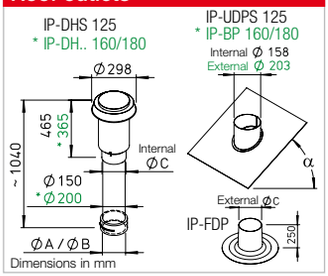


Dimensions in mm

IsoPipe Ø 125 mm				IsoPipe Ø 160 mm				IsoPipe Ø 180 mm				IsoPipe Ø 200 mm			
Type	Ref. no.	ØA	ØB	**Type**	Ref. no.	ØA	ØB	**Type**	Ref. no.	ØA	ØB	**Type**	Ref. no.	ØA	ØB
Fitting for connection to KWL HygroBox – KWL HB 250, connec. DN 160															
IP-ARZ 160/125	09358	125	160	Direct duct connection				—	—	—	—	**IP-ARZ160/200**	03816	200	160
Fitting for connection to KWL HygroBox – KWL HB 500, connec. DN 250															
—	—	—	—	**IP-ARZ 250/160**	09590	160	250	**IP-ARZ 250/180**	09591	180	250	**IP-ARZ 250/200**	03815	200	250
Fitting for connection to ground heat exchanger – LEWT, connector DN 200															
IP-ARZ 200/125	09359	125	200	**IP-ARZ 200/160**	09456	160	200	**IP-ARZ 200/180**	09457	180	200	Direct duct connection			
Fitting for connection to ground heat exchanger – SEWT, connector DN 180															
IP-ARZ 180/125	09360	125	180	**IP-ARZ 180/160**	09455	160	180	Direct duct connection				**IP-ARZ 180/200**	03814	200	180

All fittings made of galvanised steel sheet.

Roof outlets



Dimensions in mm

IsoPipe Ø 125 mm				IsoPipe Ø 160 mm				IsoPipe Ø 180 mm			
Type	Ref. no.	ØB	ØC	**Type**	Ref. no.	ØB	ØC	**Type**	Ref. no.	ØA	ØC
Roof outlet, consisting of hood and pan tile* **– Roof hood** black											
IP-DHS 125	03541	157	160	**IP-DHS 160**	03542	192	250	**IP-DHS 180**	03542	180	210
Roof outlet, consisting of hood and pan tile* **– Roof hood including duct** red											
—		—		**IP-DHR 160**	03543	192	250	**IP-DHR 180**	03543	180	210
Roof outlet, consisting of hood and pan tile* **– Roof pan tile for pitched roofs**											
IP-UDPS 125	03546	α 25°– 45°		**IP-BP 160/25**	09384	α 20°– 30°		**IP-BP 180/25**	09384	α 20°– 30°	
—		—		**IP-BP 160/35**	09385	α 30°– 40°		**IP-BP 180/35**	09385	α 30°– 40°	
—		—		**IP-BP 160/45**	09386	α 40°– 50°		**IP-BP 180/45**	09386	α 40°– 50°	
Roof outlet, consisting of hood and pan tile* **– Roof pan tile for flat roof**											
IP-FDP 125	03544	—	158	**IP-FDP 160**	03545	—	203	**IP-FDP 180**	03545	—	203

* Please order roof hoods and pan tiles separately.

Silencer



IsoPipe Ø 125 mm		IsoPipe Ø 160 mm		IsoPipe Ø 180 mm	
Type	Ref. no.	**Type**	Ref. no.	**Type**	Ref. no.
Flexible duct silencer, made of aluminium duct, Length approx. 1 m, elastic					
SDE 125	00789	**SDE 160**	00790	**SDE 180**	00499

Type	Insulation	Insertion loss D_e dB at Hz						
	mm	125	250	500	1000	2000	4000	8000
SDE 125	50	32	42	45	46	50	42	41
SDE 160	50	23	40	43	46	46	31	29
SDE 180	50	20	39	43	47	46	28	29