

Building integrated duct systems



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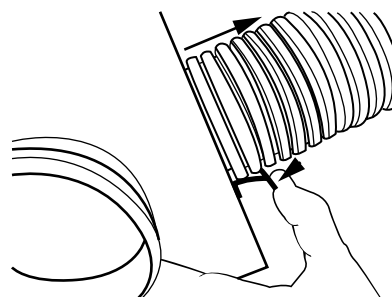
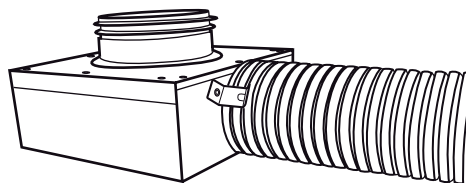
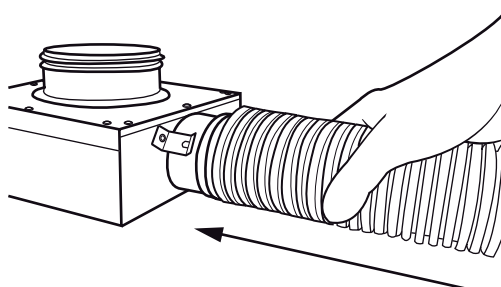
A system of products, suitable for integration or embedment in buildings. All circular connections are with gaskets according to Lindab Safe, which fulfills the toughest demands for air tightness. Spiral seamed steel ducts as well as semiflexible ducts can be connected with high safety against undesired leakage.

Minimal measures of the products means flexibility in construction and installation. Should other solutions occur, they can be ordered specially.

Low levels of noise are ensured with our specially developed silencers, also suitable to be integrated in buildings.

These products, together with other Lindab products as dampers, silencers, valves and grilles, gives you a complete high quality system for residential ventilation.

All manifolds and plenum boxes have a Smart Lock function which allows a semiflexible duct to be fastened to the connections. Use the transition piece RCFU, with clips for Smart Lock function, when connecting LFPE 76/90 to manifolds and plenum boxes with 80 mm couplings.



Manifold

MCU



Description

The manifold can be used for both supply and exhaust air. It is available in several types and dimensions.

The manifolds are designed for floor installation but can be used at other locations as well.

All types have couplings with Lindab safe sealings for connections of SR spiral-seamed ducts or semiflexible ducts LFPE. Use the transition piece RCFU, with Smart Lock function, to connect the LFPE 76/90-dimension to InDomo manifolds and plenum boxes with Ø80 mm couplings.

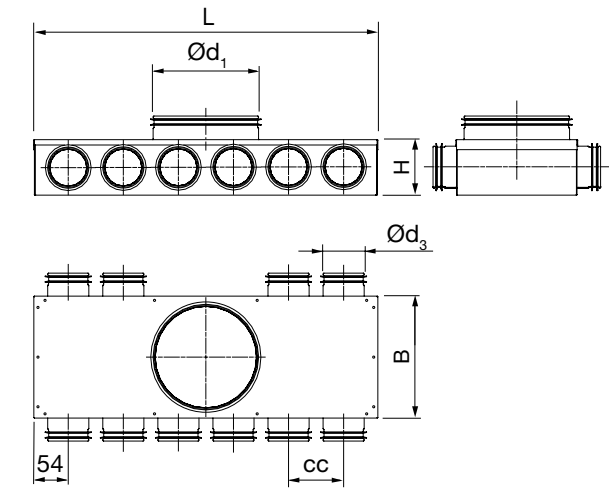
Boxes with Ø 76 couplings with Lindab safe sealings is intended for direct connection of the semiflexible duct LFPE 76/90. It is not intended for SR spiral-seamed duct.

The Smart Lock function allows you to fasten LFPE effortlessly to the Safe couplings.

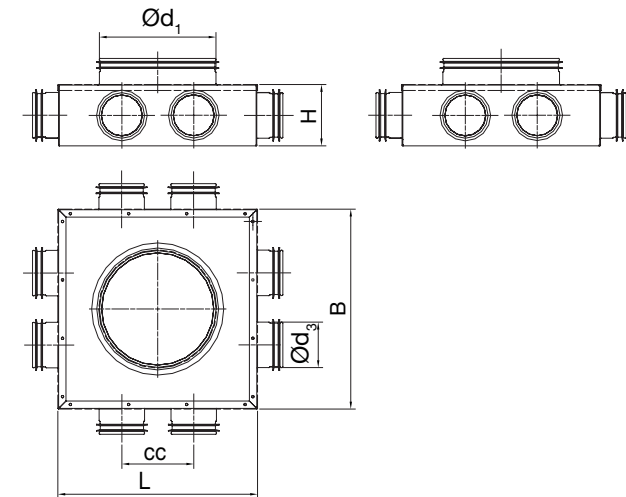
Two turnable anchor plates, placed on the bottom of the manifold, can be used for fixation.

Fulfills air tightness class D.

Dimensions



MCU 160 63 8, 160-76-8, 160 80-8, 200-76-8, 200 80-8



Ød ₁ nom	Ød ₃ nom	Type	L mm	B mm	H mm	cc mm	m kg
125	63	6-0	520	185	88	83	2,30
125	76	8-0					
125	76	8					
160	63	6-4	520	185	88	83	2,30
160	63	8	275	275	88	98	1,80
160	63	10-4	852	185	88	83	3,40
160	76	6-0	622	185	108	100	2,41
160	76	8	275	275	108	115	1,76
160	76	8-0	822	185	108	100	3,08
160	80	6-0	622	185	108	100	2,41
160	80	8	275	275	108	115	1,76
160	80	8-0	822	185	108	100	3,08
200	76	8	275	275	108	115	1,75
200	76	10-0	1022	221	108	100	4,19
200	80	8	275	275	108	115	1,75
200	80	10-0	1022	221	108	100	4,19

Ordering example

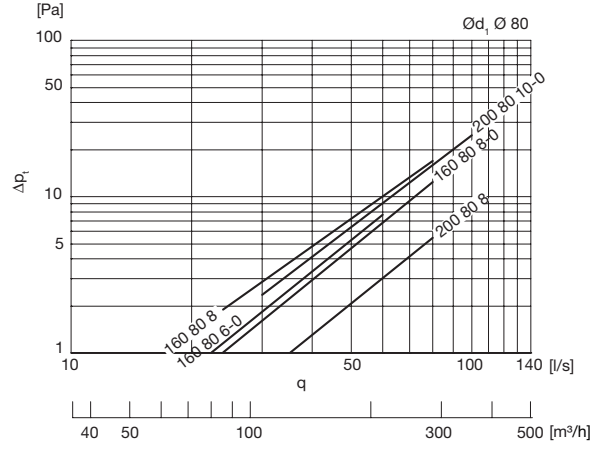
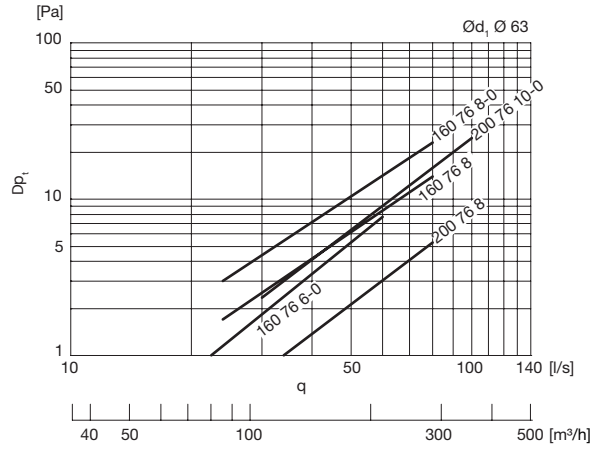
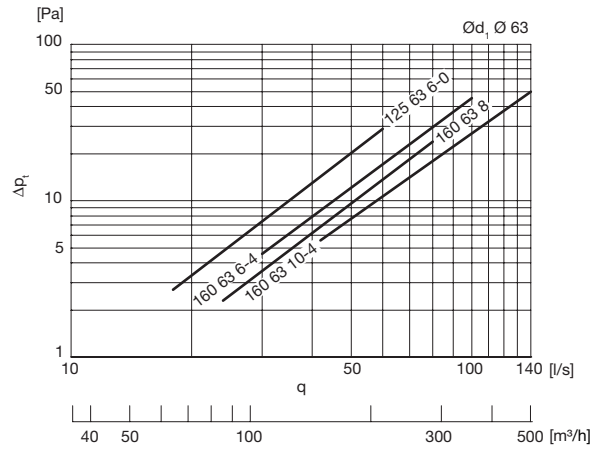
Product	MCU	160	63	10-4
Dimension Ød ₁				
Dimension Ød ₃				
Type				

Manifold

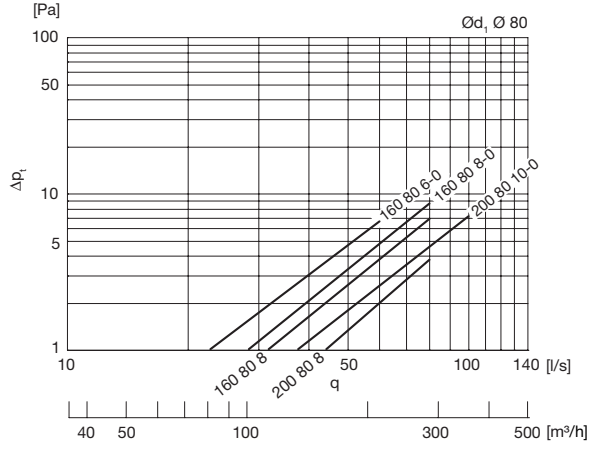
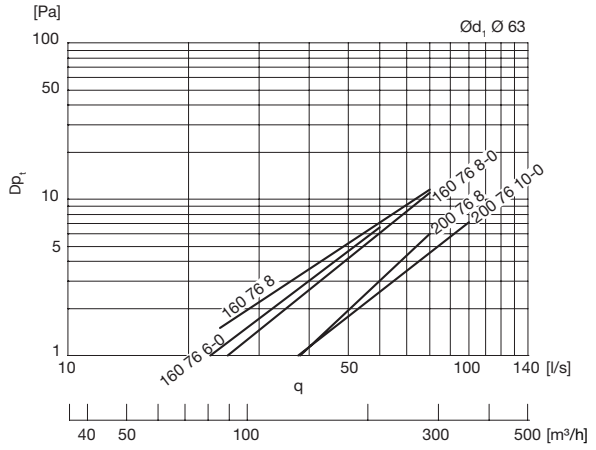
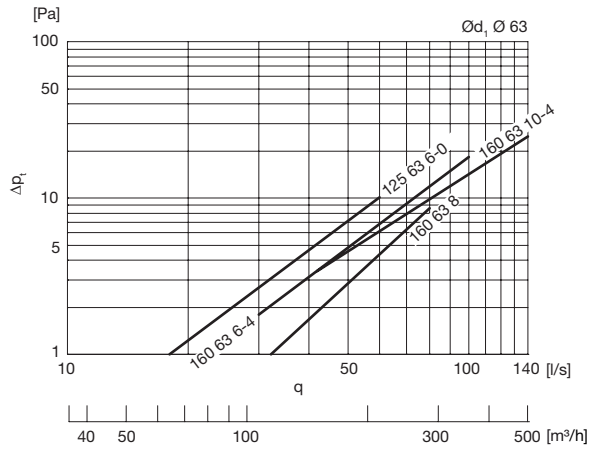
MCU

Technical data

Supply



Extract



Manifold

MRU

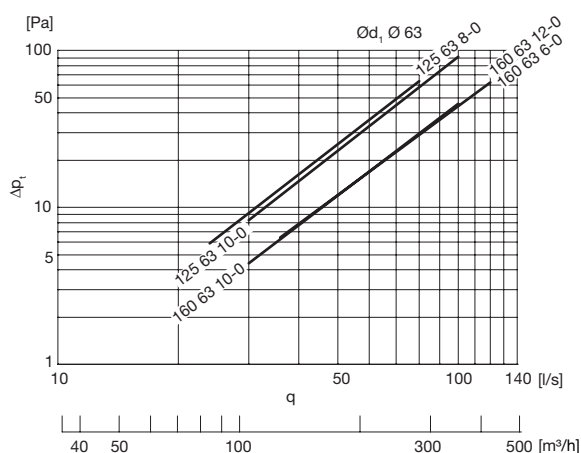


Description

The manifold can be used for both supply and exhaust air. It is available in several types and dimensions. All types have Ø 63 mm studs with Lindab Safe sealings for connections of either SR 63 spiral-seamed ducts or semiflexible ducts LFPE. The manifold is designed for floor installation but can be used everywhere, also in the ceiling for example. The Smart lock function allows you to fasten semiflexible ducts effortlessly to the Ø 63 connections. Two turnable anchor plates, placed on the bottom of the manifold, can be used for fixation. Fulfills air tightness class D.

Technical data

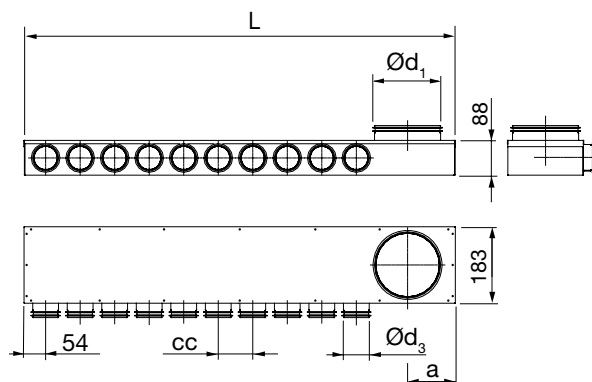
Supply



Ordering example

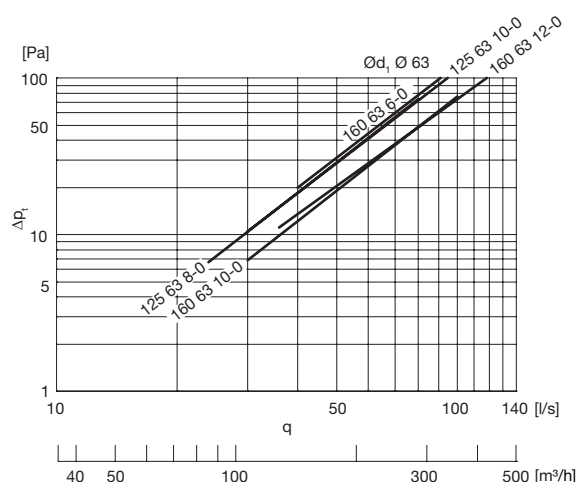
Product	MRU	160	63	12-0
Dimension Ød ₁				
Dimension Ød ₃				
Type				

Dimensions



Ød ₁ nom	Ød ₃ nom	Type	L mm	cc mm	a mm	m kg
125	63	8-0	888	93	85	3,20
125	63	10-0	1072	93	85	3,90
160	63	6-0	780	93	102	2,70
160	63	10-0	1173	98	102	3,85
160	63	12-0	1293	93	102	4,50

Extract



Manifold

MLU

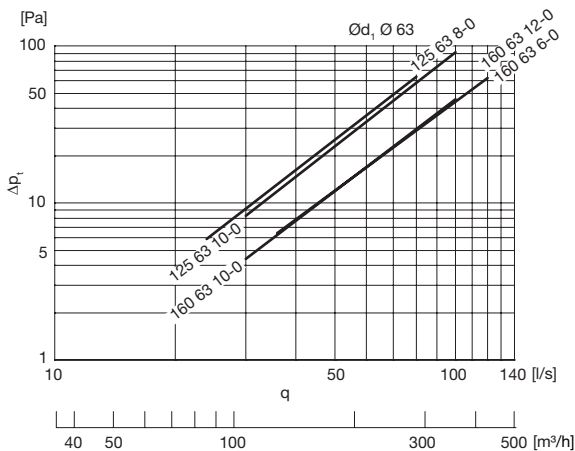


Description

The manifold can be used for both supply and exhaust air. It is available in several types and dimensions. All types have Ø 63 mm studs with Lindab Safe sealings for connections of either SR 63 spiral-seamed ducts or semiflexible ducts LFPE. The manifold is designed for floor installation but can be used everywhere, also in the ceiling for example. The Smart lock function allows you to fasten semiflexible ducts effortlessly to the Ø 63 connections. Two turnable anchor plates, placed on the bottom of the manifold, can be used for fixation. Fulfills air tightness class D.

Technical data

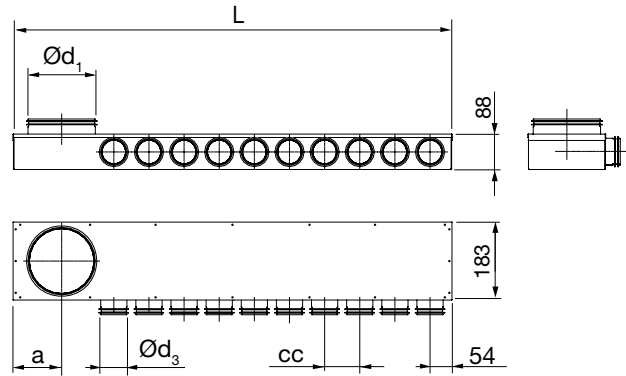
Supply



Ordering example

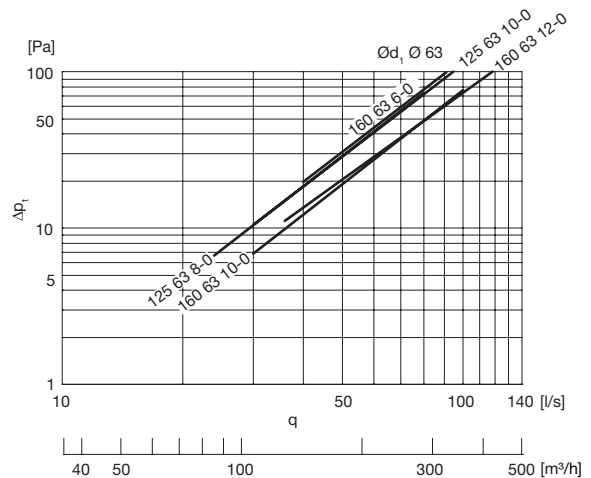
Product	MLU	125	63	8-0
Dimension Ød ₁				
Dimension Ød ₃				
Type				

Dimensions



Ød ₁ nom	Ød ₃ nom	Type	L mm	cc mm	a mm	m kg
125	63	8-0	888	93	85	3,20
125	63	10-0	1072	93	85	3,90
160	63	6-0	780	93	102	2,70
160	63	10-0	1173	98	102	3,85
160	63	12-0	1293	93	102	4,50

Extract



Manifold

MHU



Description

The manifold can be used for both supply and exhaust air. It is available in several types and dimensions.

The manifolds are designed for floor installation but can be used at other locations as well.

All types have couplings with Lindab safe sealings for connections of SR spiral-seamed ducts or semiflexible ducts LFPE. Use the transition piece RCFU, with Smart Lock function, to connect the LFPE 76/90-dimension to InDomo manifolds and plenum boxes with Ø80 mm couplings.

Boxes with Ø 76 couplings with Lindab safe sealings is intended for direct connection of the semiflexible duct LFPE 76/90. It is not intended for SR spiral-seamed duct.

The Smart Lock function allows you to fasten LFPE effortlessly to the Safe couplings.

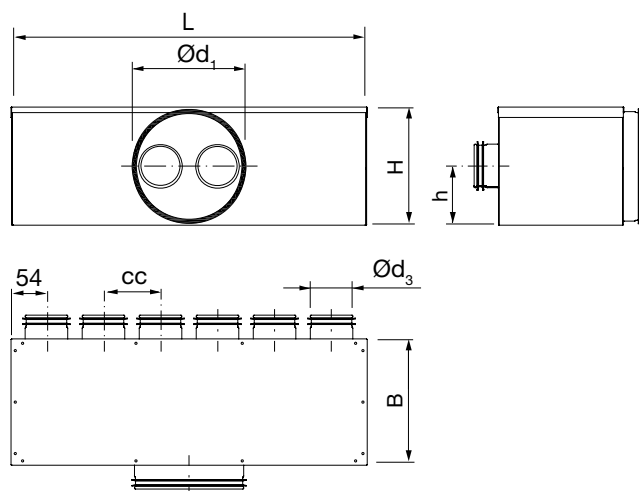
Two turnable anchor plates, placed on the bottom of the manifold, can be used for fixation.

Fulfills air tightness class D.

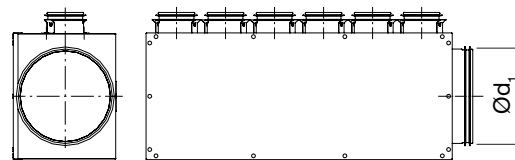
Ordering example

Product	MHU	160	63	6-0
Dimension $\varnothing d_1$				
Dimension $\varnothing d_3$				
Type				

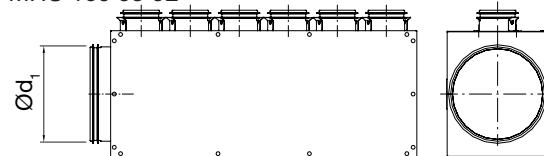
Dimensions



MHU 160 63 6R



MHU 160 63 6L



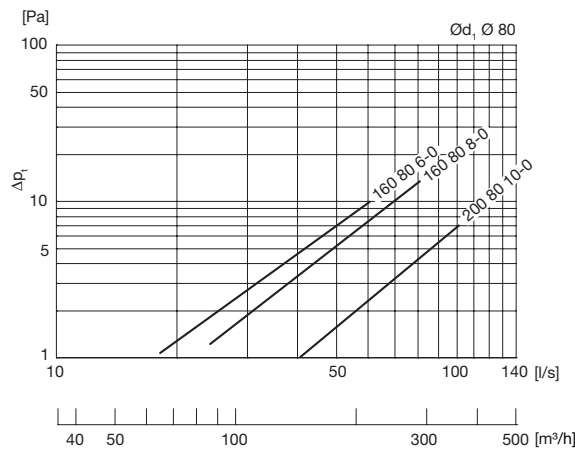
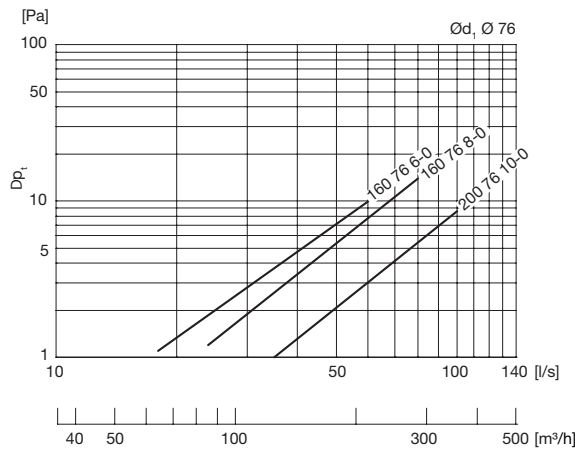
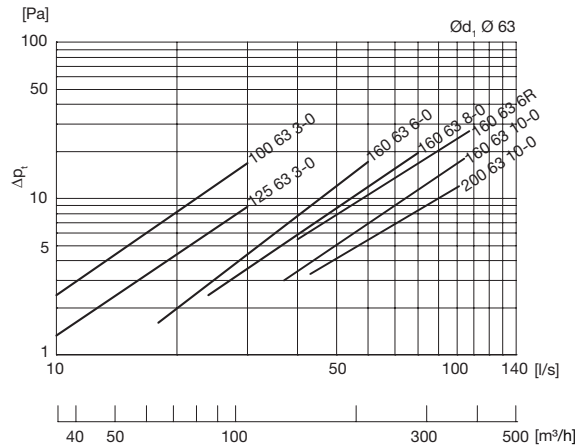
$\varnothing d_1$ nom	$\varnothing d_3$ nom	Type	L mm	B mm	H mm	h mm	cc mm	m kg
100	63	3-0	270	184	138	85	83	1,50
125	63	3-0	270	184	138	67	83	1,40
125	63	6-0	518	184	138	67	83	2,40
125	76	2-0	221	184	138	67	100	1,20
125	76	3-0	321	184	138	67	100	1,80
125	80	2-0	221	184	138	67	100	1,20
125	80	3-0	321	184	138	67	100	1,80
160	63	6-0	518	184	173	85	83	2,80
160	63	6R	518	214	173	85	83	2,60
160	63	6L	518	214	173	85	83	2,60
160	63	8-0	685	184	173	85	83	3,30
160	63	10-0	867	184	173	85	83	4,10
160	76	6-0	620	184	173	85	100	3,00
160	76	8-0	820	184	173	85	100	4,00
160	80	6-0	620	184	173	85	100	3,00
160	80	8-0	820	184	173	85	100	4,00
200	63	10-0	867	184	213	105	83	4,50
200	76	10-0	1020	184	213	105	100	5,00
200	80	10-0	1020	184	213	105	100	5,00

Manifold

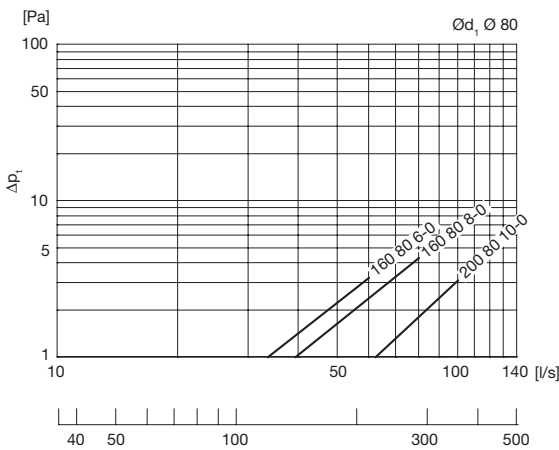
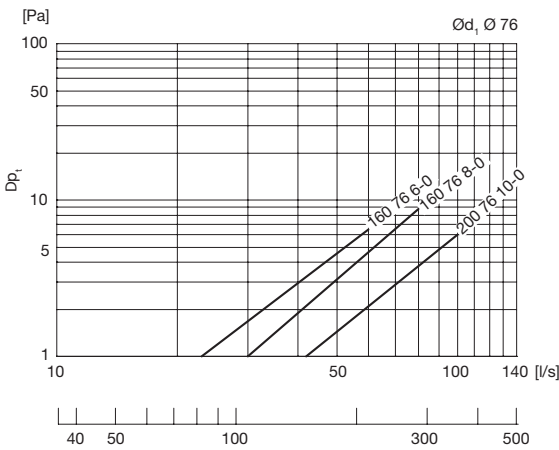
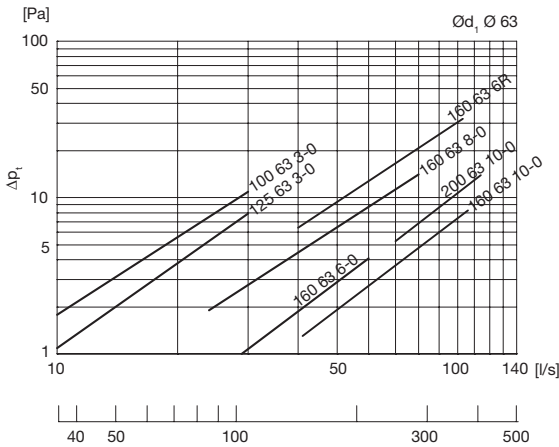
MHU

Technical data

Supply



Extract



Manifold

MHSU



Description

The manifold can be used for both supply and exhaust air. It is available in several types and dimensions.

The manifolds are designed for floor installation but can be used at other locations as well.

All types have couplings with Lindab safe sealings for connections of SR spiral-seamed ducts or semiflexible ducts LFPE. Use the transition piece RCFU, with Smart Lock function, to connect the LFPE 76/90-dimension to InDomo manifolds and plenum boxes with Ø80 mm couplings.

Boxes with Ø 76 couplings with Lindab safe sealings is intended for direct connection of the semiflexible duct LFPE 76/90. It is not intended for SR spiral-seamed duct.

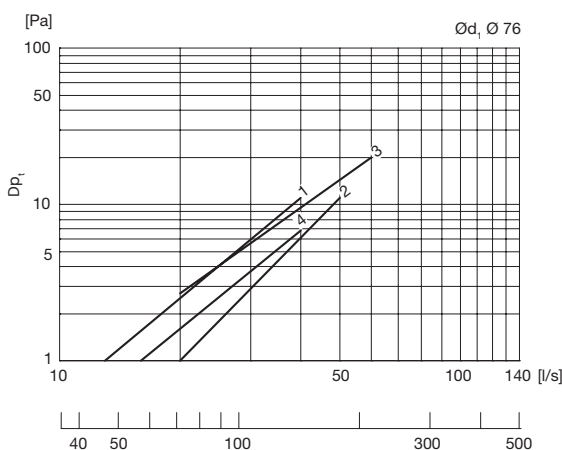
The Smart Lock function allows you to fasten LFPE effortlessly to the Safe couplings.

Two turnable anchor plates, placed on the bottom of the manifold, can be used for fixation.

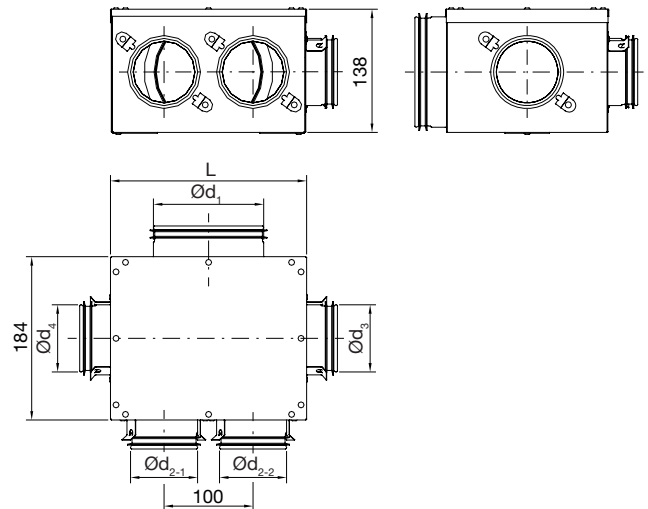
Fulfills air tightness class D.

Technical data

Supply



Dimensions

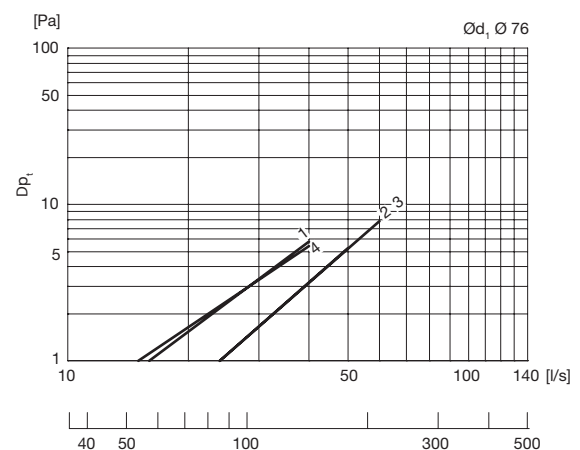


	Ød ₁	Ød ₂	Ød ₂	Ød ₂	Ød ₃	Ød ₄	L	m
Type	nom	-1 nom	-2 nom	-3 nom	nom	nom	mm	kg
MHSU1	125	76	76		76		221	1,20
MHSU2	125	76	76		100		221	1,20
MHSU3	125	76	76	76	100		321	1,60
MHSU4	125	76			100	76	221	1,20

Ordering example

	MHSU1	125	76
Product			
Dimension Ød ₁			
Dimension Ød ₃			

Extract



Plenum box floor

PGFU



Description

The plenum box is intended for supply and exhaust air.

It is intended to accommodate grille B3020, which can be supplied with the regulating damper GAT or sliding damper SKG.

It is designed for wall installation but can be used at other locations as well. It is telescopic for flexibility at installation.

All types have couplings with Lindab safe sealings for connections of SR spiral-seamed ducts or semiflexible ducts LFPE. Use the transition piece RCFU, with Smart Lock function, to connect the LFPE 76/90-dimension to InDomo manifolds and plenum boxes with Ø80 mm couplings.

Boxes with Ø 76 couplings with Lindab safe sealings is intended for direct connection of the semiflexible duct LFPE 76/90. It is not intended for SR spiral-seamed duct.

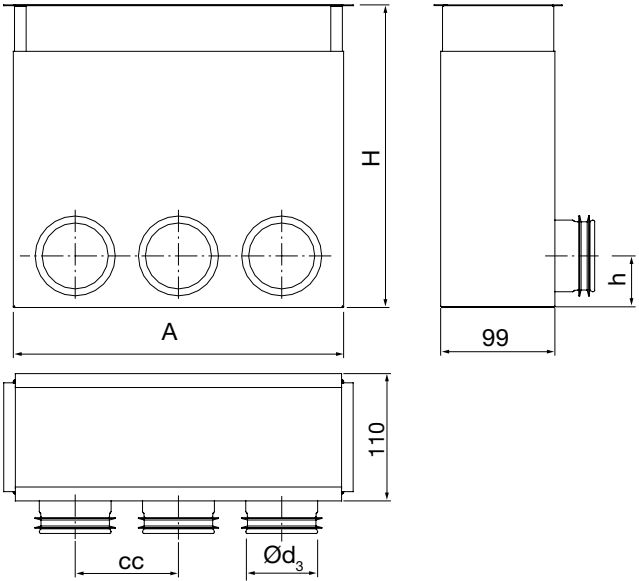
The Smart Lock function allows you to fasten LFPE effortlessly to the Safe couplings.

The shown pressure drop is for the box including grille B3020 and regulating sliding damper GAT set in open position.

Ordering example

	PGFU	2010	63	2
Product				
Dimension Ød				
Dimension Ød ₃				
Number of Ø 63/80 in-/outlets				

Dimensions



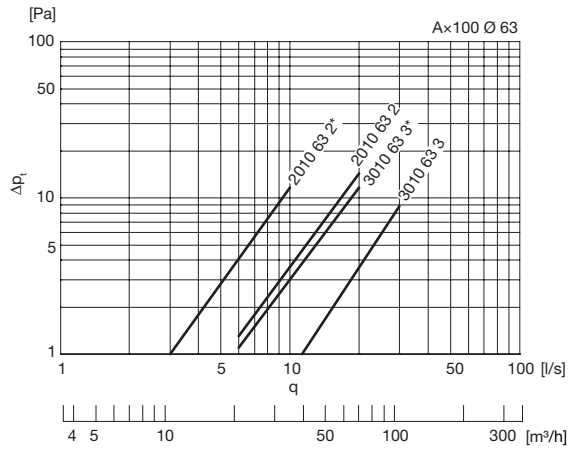
Dimension	Ød ₃ nom	# of Ø63/80	A mm	H mm	h mm	cc mm	m kg
2010	63	2	191	200–345	44	92	1,10
3010	63	3	291	200–345	44	89	1,50
2010	76	1	191	200–345	56	-	1,00
3010	76	1	291	200–345	56	-	1,50
3010	76	2	291	200–345	56	126	1,50
2010	80	1	191	200–345	56	-	1,00
3010	80	1	291	200–345	56	-	1,50
3010	80	2	291	200–345	56	126	1,50

Plenum box floor

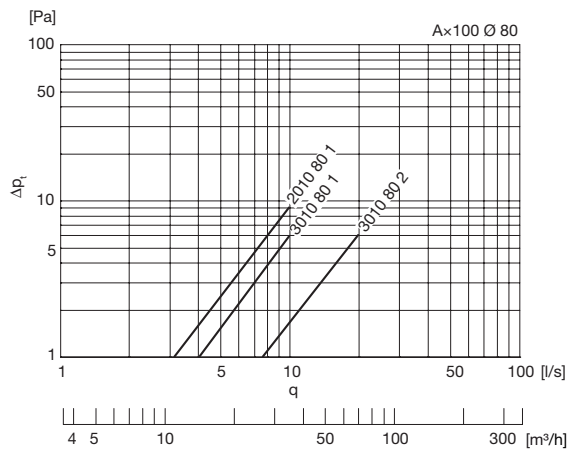
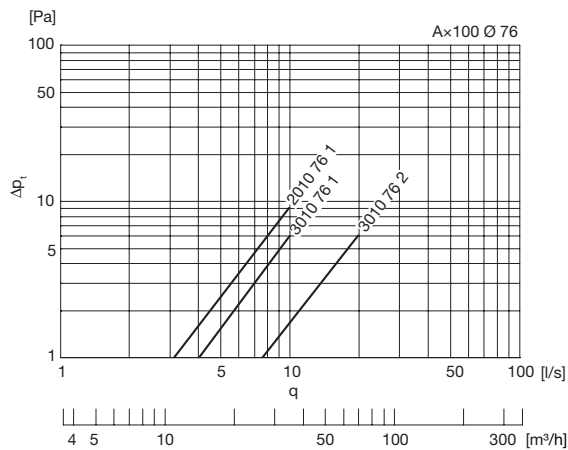
PGFU

Technical data

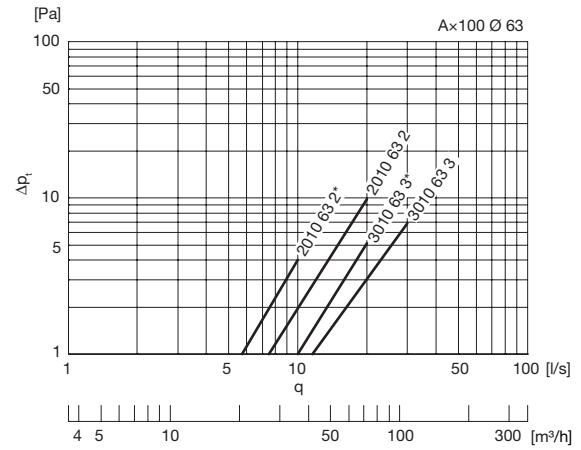
Supply



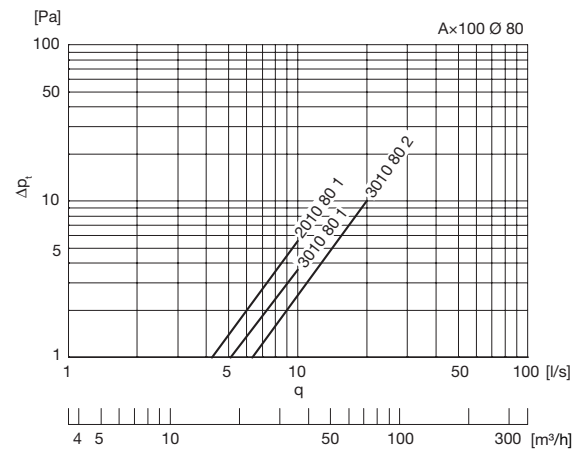
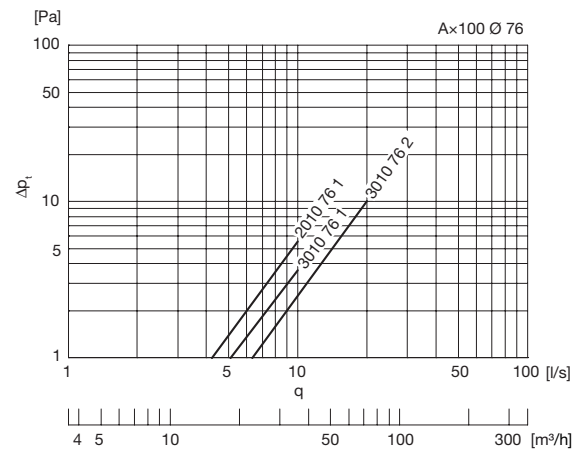
* One of the Ø 63 is capped.



Extract



* One of the Ø 63 is capped.



Plenum box wall

PGWU



Description

The plenum box is intended for supply and exhaust air.

It is intended to accommodate sliding damper SKG.

It is designed for wall installation but can be used at other locations as well. It is telescopic for flexibility at installation.

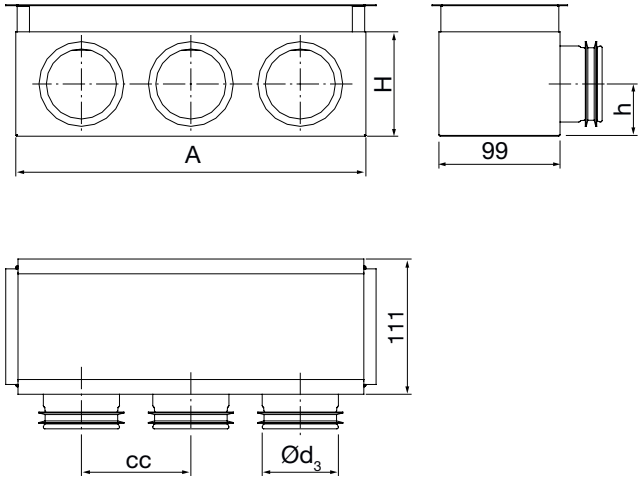
All types have couplings with Lindab safe sealings for connections of SR spiral-seamed ducts or semiflexible ducts LFPE. Use the transition piece RCFU, with Smart Lock function, to connect the LFPE 76/90-dimension to InDomo manifolds and plenum boxes with Ø80 mm couplings.

Boxes with Ø 76 couplings with Lindab safe sealings is intended for direct connection of the semiflexible duct LFPE 76/90. It is not intended for SR spiral-seamed duct.

The Smart Lock function allows you to fasten LFPE effortlessly to the Safe couplings.

The shown pressure drop is for the box including grille B3020 and regulating sliding damper SKG set in open position.

Dimensions



Dimension	Ød ₃ nom	# of Ø63/80	A mm	H mm	h mm	cc mm	m kg
2010	63	2	191	85–110	43	92	0,50
3010	63	3	291	85–110	43	89	0,70
2010	76	1	191	105–125	53	-	0,56
3010	76	1	291	105–125	53	-	0,75
3010	76	2	291	105–125	53	126	0,78
2010	80	1	191	105–125	53	-	0,56
3010	80	1	291	105–125	53	-	0,75
3010	80	2	291	105–125	53	126	0,78

Ordering example

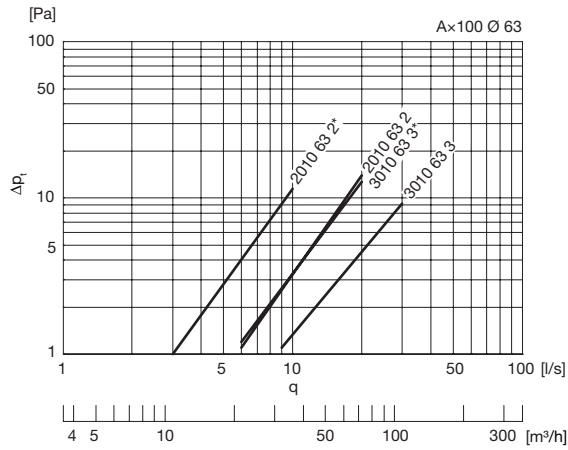
	PGWU	2010	63	2
Product				
Dimension Ød				
Dimension Ød ₃				
Number of Ø 63/80 in-/outlets				

Plenum box wall

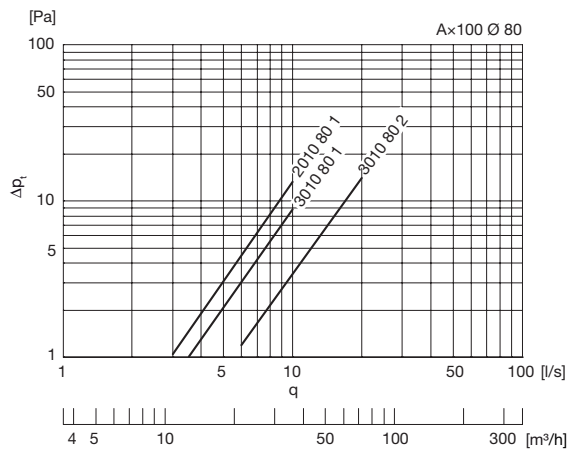
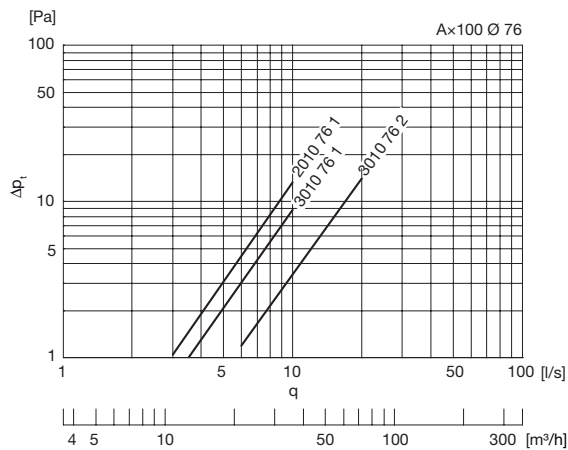
PGWU

Technical data

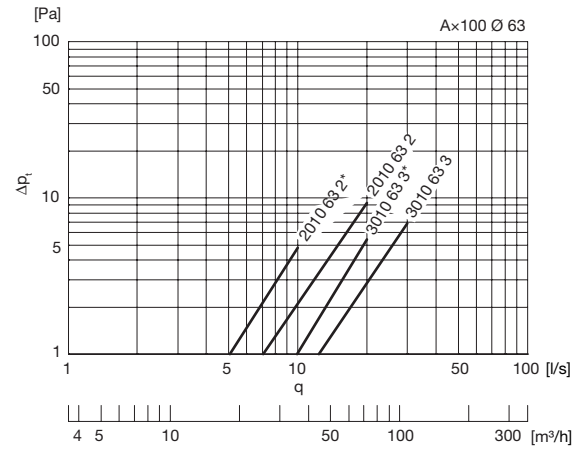
Supply



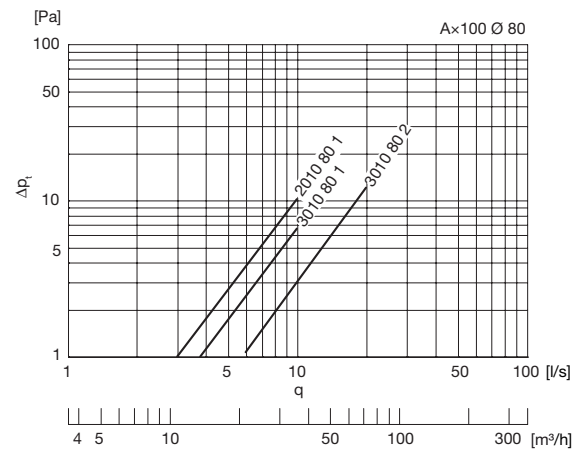
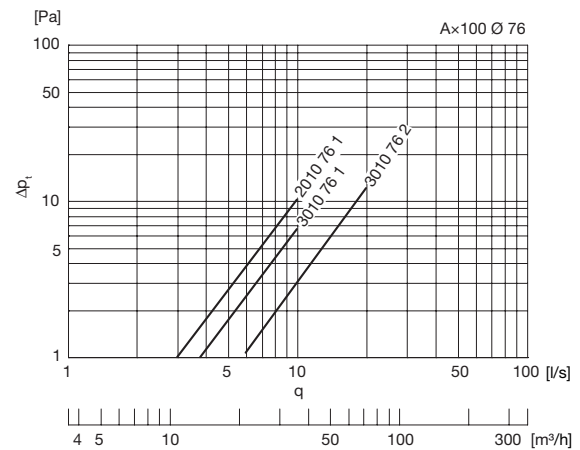
* One of the Ø 63 is capped.



Extract



* One of the Ø 63 is capped.



Plenum box wall

PVWU



Description

The plenum box is intended for supply and exhaust air.

It is intended to accommodate a damper.

It is designed for wall installation but can be used at other locations as well.

All types have couplings with Lindab safe sealings for connections of SR spiral-seamed ducts or semiflexible ducts LFPE. Use the transition piece RCFU, with Smart Lock function, to connect the LFPE 76/90-dimension to InDomo manifolds and plenum boxes with Ø80 mm couplings.

Boxes with Ø 76 couplings with Lindab safe sealings is intended for direct connection of the semiflexible duct LFPE 76/90. It is not intended for SR spiral-seamed duct.

The Smart Lock function allows you to fasten LFPE effortlessly to the Safe couplings.

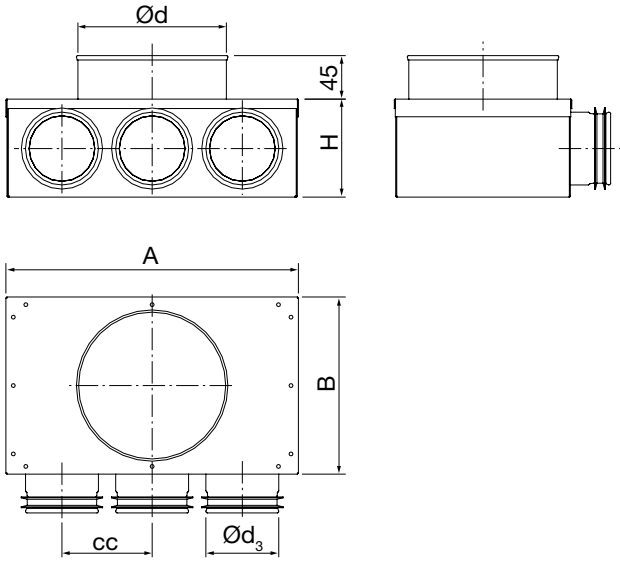
Fulfills the requirements of air tightness class D.

The shown pressure drop is for the box alone, which means that the pressure drop for the valve has to be added.

Ordering example

	PVWU	100	63	2
Product				
Dimension Ød				
Dimension Ød ₃				
Number of Ø 63 in-/outlets				

Dimensions



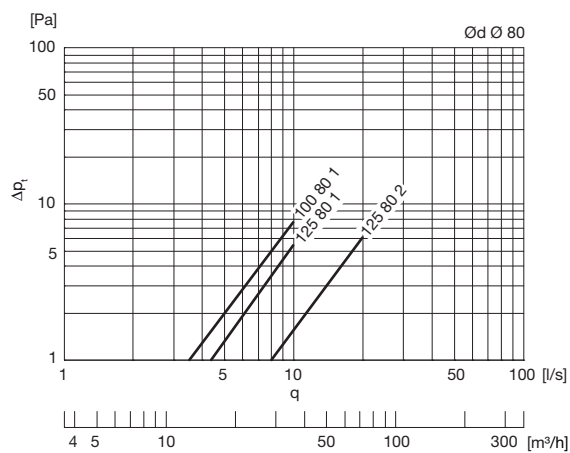
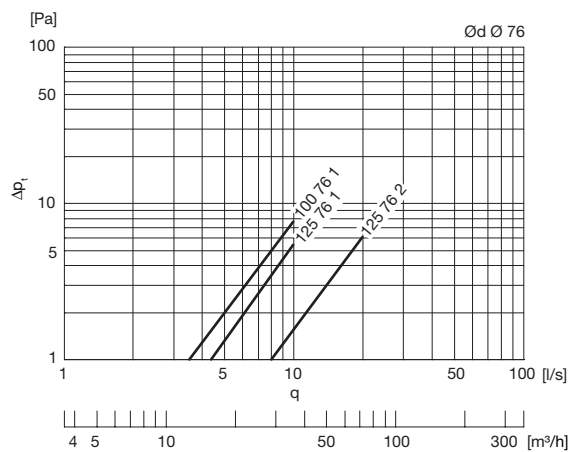
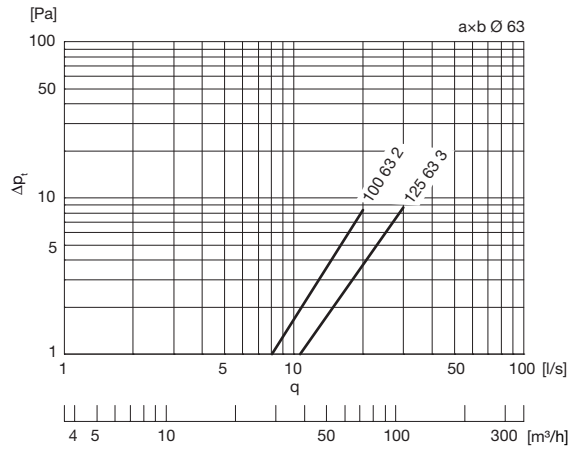
Ød nom	Ød ₃ nom	# of Ø63	A mm	B mm	H mm	cc mm	m kg
100	63	2	174	126	85	78	0,59
100	76	1	174	126	103	-	0,57
100	80	1	174	126	103	-	0,57
125	63	3	249	151	85	78	0,84
125	76	1	249	151	103	-	0,80
125	76	2	249	151	103	126	0,84
125	76	3	321	151	103	100	0,90
125	80	1	249	151	103	-	0,80
125	80	2	249	151	103	126	0,84

Plenum box wall

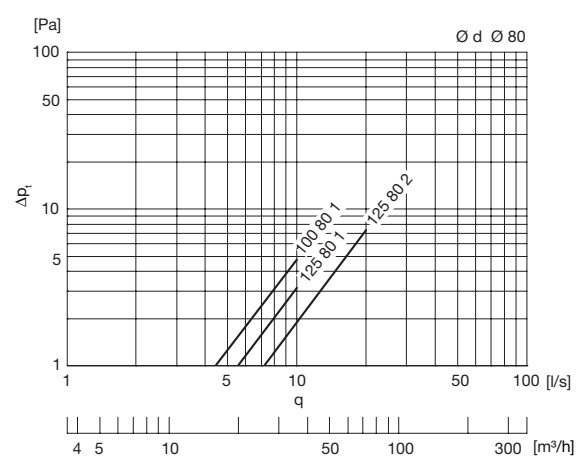
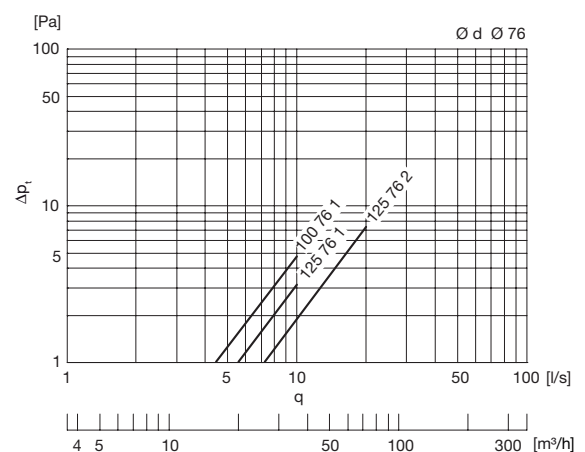
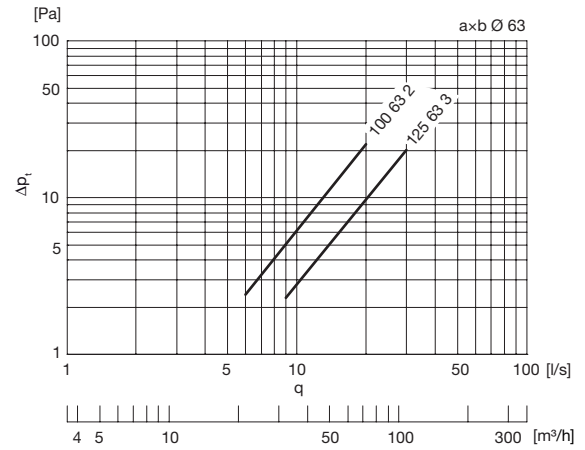
PWWU

Technical data

Supply



Extract



Plenum box

PVCU



Description

The plenum box is intended for supply and exhaust air.

It is intended to accommodate a valve.

It is designed for ceiling installation but can be used at other locations as well.

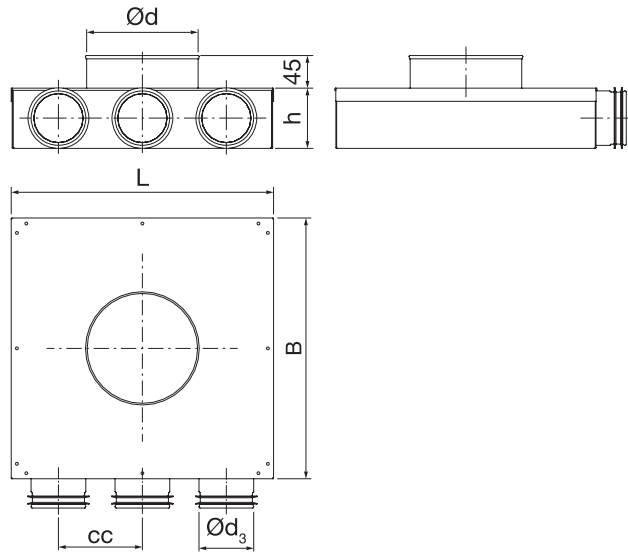
All types have couplings with Lindab safe sealings for connections of SR spiral-seamed ducts or semiflexible ducts LFPE. Boxes with Ø 76 couplings with Lindab safe sealings are intended for direct connection of the semiflexible duct LFPE. It is not intended for SR spiral-seamed duct.

The Smart Lock function allows you to fasten LFPE effortlessly to the Safe couplings.

Fulfils the requirements for air tightness class D.

The shown pressure drop is for the box alone, which means that the pressure drop for the valve has to be added.

Dimensions



Ød nom	Ød ₃ nom	Type	L mm	B mm	h mm	cc mm	m kg
80	63	1	184	182	70	-	0,65
80	63	2	206	204	70	95	0,75
100	63	1	184	182	70	-	0,70
100	63	2	206	204	70	95	0,80
125	63	1	184	182	70	-	0,70
125	63	2	206	204	70	95	0,80
125	63	3	297	295	70	95	1,40
160	63	2	216	214	70	95	1,00
80	76	1	187	182	95	-	0,95
100	76	1	184	182	95	-	0,96
100	76	2	249	206	95	125	1,29
100	76	3	321	295	95	100	1,58
125	76	1	184	182	95	-	0,80
125	76	2	249	204	95	125	1,30
125	76	3	321	295	95	125	1,58
160	76	1	216	214	95	-	1,00
160	76	2	249	214	95	125	1,30

Ordering example

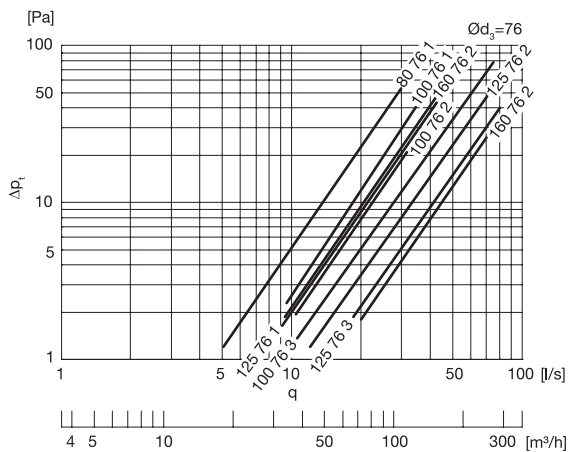
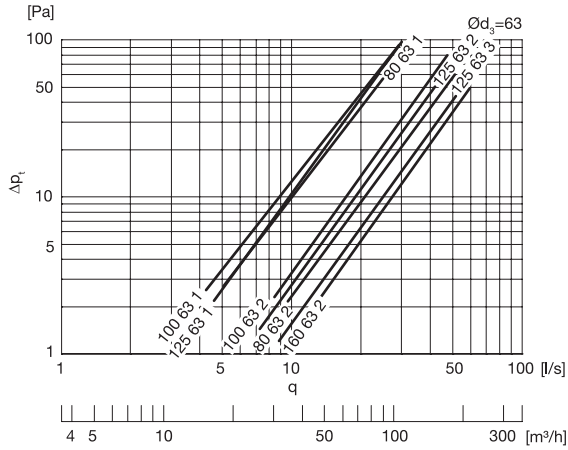
Product	PVCU	100	63	2
Dimension Ød				
Dimension Ød ₃				
Type				

Plenum box

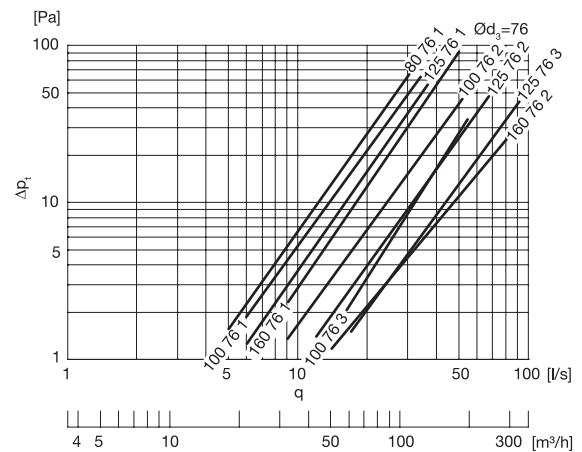
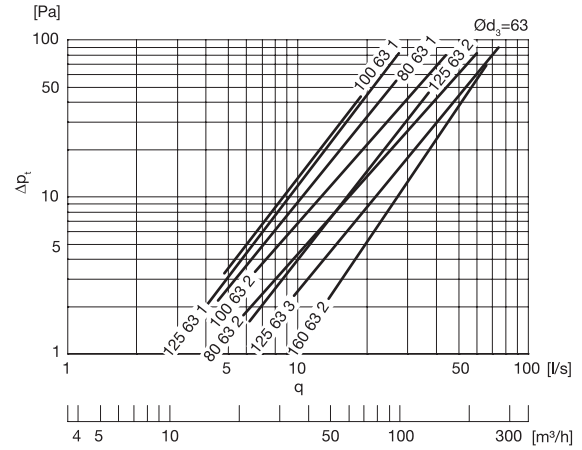
PVCU

Technical data

Supply



Extract



Plenum box

PLVCU



Description

The plenum box is intended for supply and exhaust air.

It is intended to accommodate a valve.

It is designed for ceiling installation but can be used at other locations as well.

All types have Ø 63 mm studs with Lindab Safe sealings for connections of either SR 63 spiral-seamed duct or semiflexible duct LFPE. Each Ø 63 connection is equipped with a clip to hold the semiflexible duct LFPE – Smart lock function.

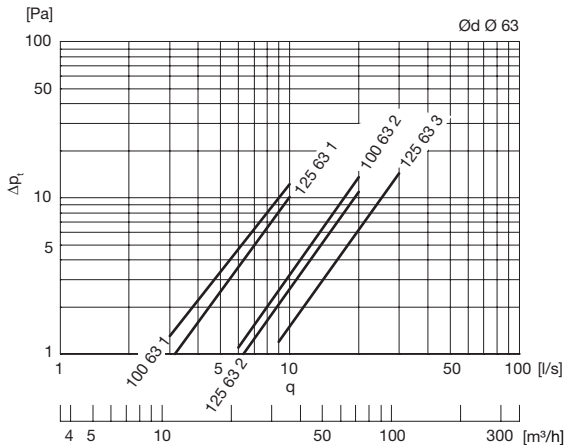
Two turnable anchor plates, placed on the bottom of the manifold, can be used for fixation.

Fulfills the requirements for air tightness class D.

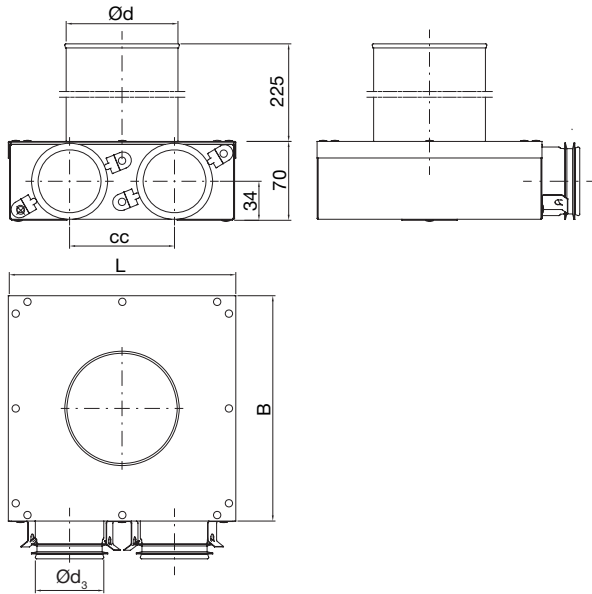
The shown pressure drop is for the box alone, which means that the pressure drop for the valve has to be added.

Technical data

Supply



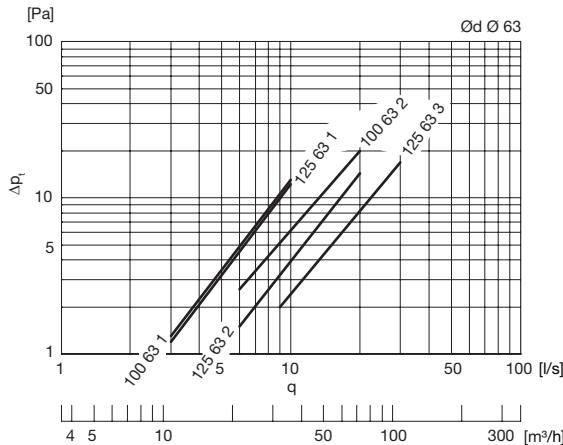
Dimensions



Ød nom	Ød ₃ nom	# of Ø63	L mm	B mm	cc mm	m kg
100	63	1	184	182	-	0,90
100	63	2	206	204	95	1,00
125	63	1	184	182	-	0,90
125	63	2	206	204	95	1,00
125	63	3	297	295	95	1,60

	PLVCU	100	63	2
Product				
Dimension Ød ₁				
Dimension Ød ₃				
Number of Ø 63 in-/outlets				

Exhaust



Clamps

CLAMP



Description

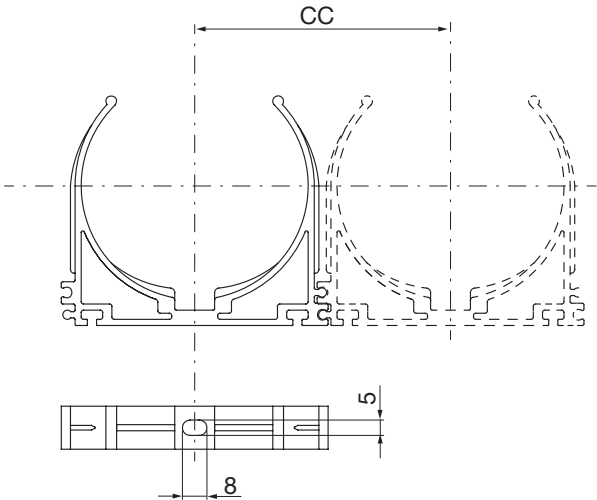
The CLAMP are used for fixation of semiflexible ducts LFPE in connection with mounting or embedment into the floor.

The clamps are available in red or blue colour, for identifying supply or exhaust air. They can be joined together for fixation of two or more ducts. Each bracket are fixed to the floor with one screw.

They are delivered in bags with 48 pieces, which corresponds to the amount needed for one coil of ducts (50 m).

Recommended distance between the clamps is 1 meter.

Dimensions



Type	CC
CLAMP 63 RED	85
CLAMP 63 BLUE	85
CLAMP 76 RED	100
CLAMP 76 BLUE	100

Type	CC
CLAMP 63 BLÅ	85
CLAMP 76 BLÅ	100

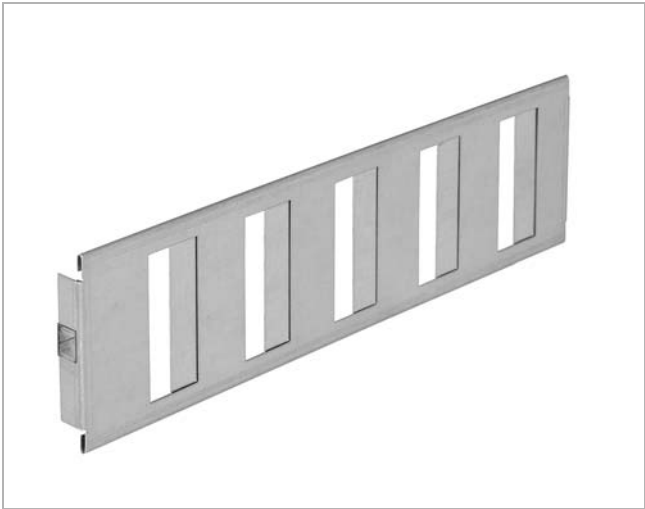
Ordering example

	CLAMP	76	RED
Product			
Dimension			
Colour			

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

Sliding damper

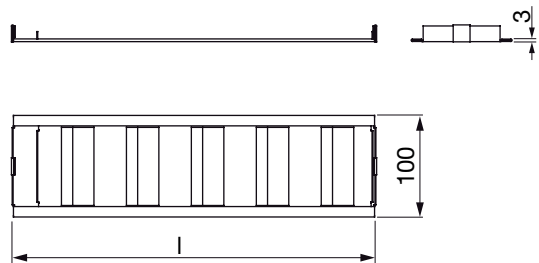
SKG



Description

Low-built sliding damper for regulating the air volume in plenum box PGWU. It is attached on to the grille B 3020 with the two accompanied fastening clips.

Dimensions



Dimension	l [mm]	m kg
2010	182	0,11
3010	281	0,16

Ordering example

Product	SKG	2010
Dimension		

Transition piece

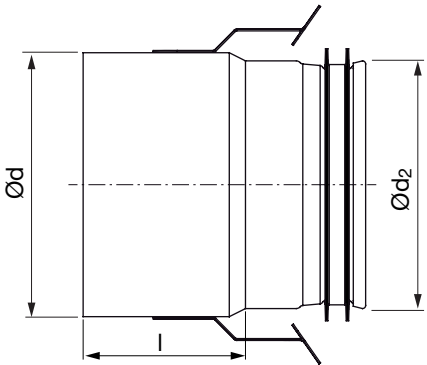
RCFU



Description

Transition piece used when connecting semiflexible duct LFPE 63 or LFPE 76 to manifolds and plenum boxes. Is supplied with a clip to hold the semiflexible duct – The Smart lock function.

Dimensions



Ød nom	Ød ₂ nom	l [mm]	m [kg]
80	76	50	0,11
100	63	70	0,14
100	76	65	0,20

Ordering example

	RCFU	80	76	LFPE
Product				
Dimension Ød				
Dimension Ød ₂				
Semiflexible duct				

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

Coupling

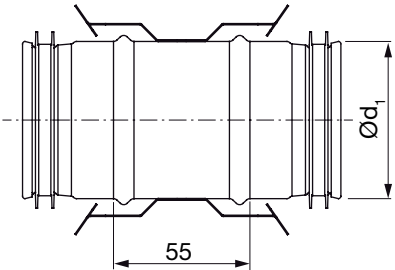
NPU



Description

Used when connecting two semiflexible ducts LFPE. It is supplied with clips to hold the semiflexible duct - Smart lock function.

Dimensions



Ød ₁ nom	m [kg]
63	0,07
76	0,09

Ordering example

	NPU	63	LFPE
Product			
Dimension Ød ₁			
Semiflexible duct			

Bend

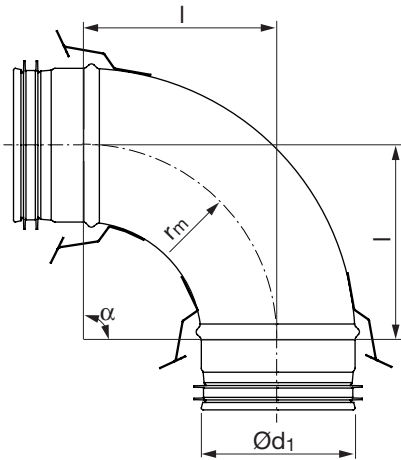
BU90



Description

Used for semiflexible ducts when small radius is required. It is supplied with clips to hold the semiflexible duct - Smart lock function

Dimensions



Ød ₁ nom	l [mm]	m [kg]
63	100	0,20
76	105	0,26

Ordering example

	BU	76	90	LFPE
Product				
Dimension Ød ₁				
Angle α				
Semiflexible duct				

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

Semiflexible duct

LFPE



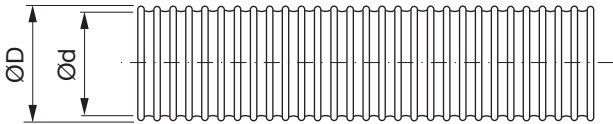
Description

Has a corrugated outside and a smooth inner surface.
Made of odorless polyethylene (PE) without and recycled material.
Inner duct with antistatic additives and has microbial properties according to EN ISO 846 A.
Ring stiffness $\geq 8 \text{ kN/m}^2$ according to EN ISO 9969.
Can be bent to a radius of minimum 150 mm.
Dimension 63 fits Lindab Safe $\varnothing 63 \text{ mm}$.
Dimension 80 fits Lindab Safe $\varnothing 80 \text{ mm}$. Use the transition piece RCFU, with Smart Lock function, to connect the LFPE 76/90-dimension to InDomo manifolds and plenum boxes with 80 mm couplings. The smart lock function allows you to fasten LFPE effortlessly
Outside/inside color: White
Delivered in coils of 50 m.
Minimum installation and use temperature: -5°C
Maximum installation and use temperature: $+60^\circ\text{C}$

Ordering example

Product **LFPE**
Dimension $\varnothing d$ **63**

Dimensions



$\varnothing d$ nom	$\varnothing D$ [mm]	l mm	m [kg]/m
63	75	50000	0,25
76	90	50000	0,35

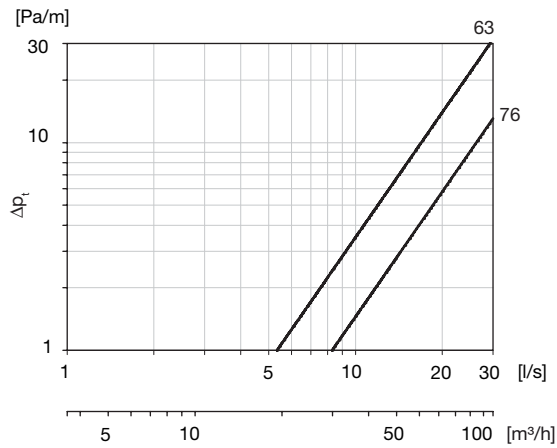
Semiflexible duct

LFPE

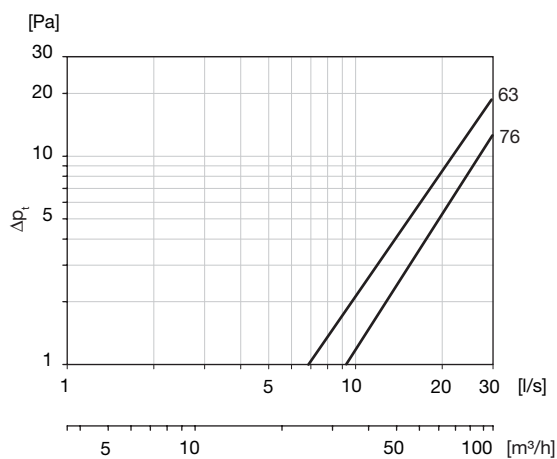
Technical data

Pressure drop

Straight



Bend 45° (length 0,5 m)



Bend 90° (length 0,5 m)

