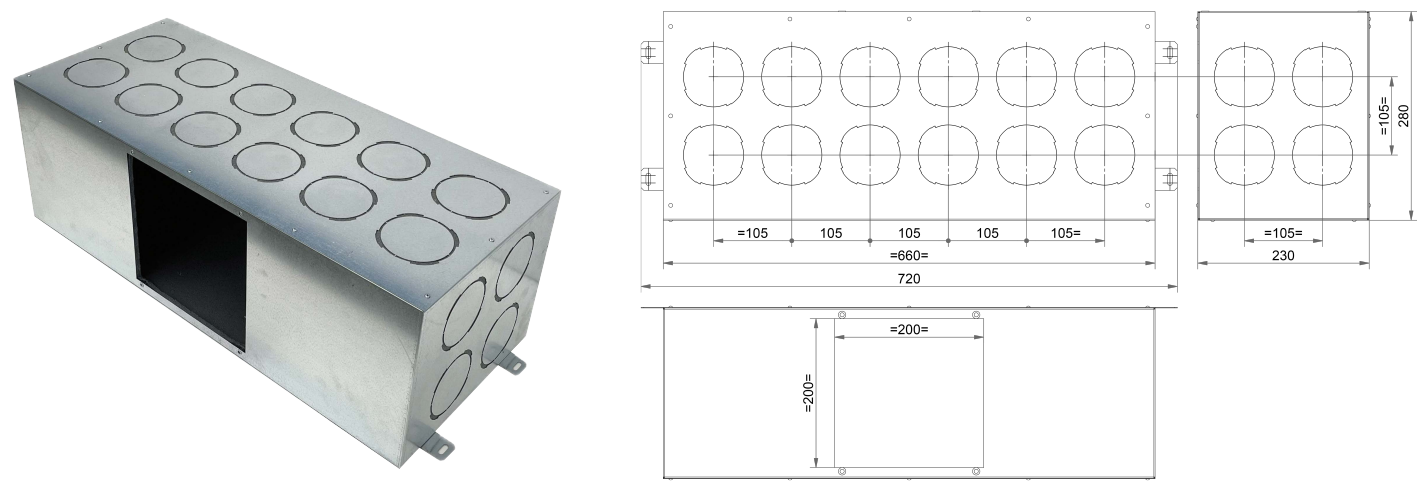


General information

Universal galvanized steel air distribution plenum, insulated, with 32 connections



Specifications

Article number	HBPLT 12
Product category	Air extraction plenum / Air distribution
Material	Galvanized
Colour	Material own colour
Wall Thickness (mm)	0,8
Weight (kg)	5,83

Dimensions

Dimensions (l x w x h mm)	660 x 230 x 280
Connection diameter flexible (mm)	75/90
Connection diameter ridged (mm)	125, 160, 180, 200

Application Insights

Application	Air
Supply / Extract	Supply / Extract
Number of connections	32
Temperature range (°C)	-25 / +80

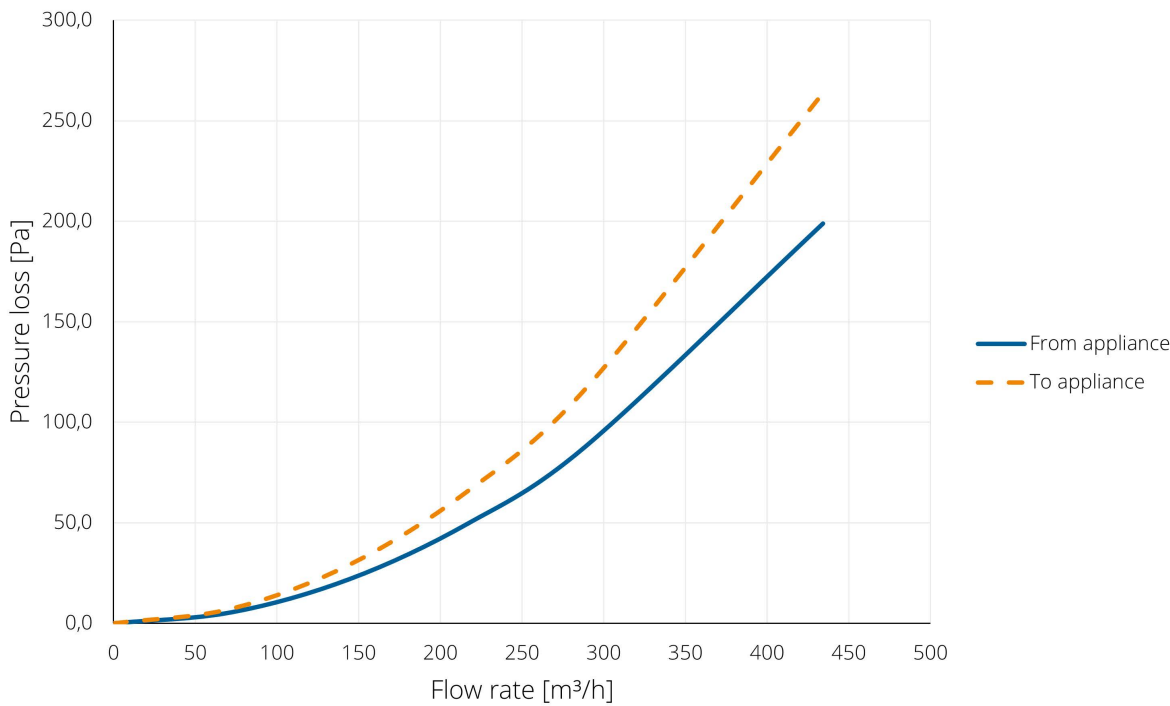
Technical Specifications

Maximum air flow (m³/h)	480
Air tightness class (ATC)	3
R-value 10°C (m²K/W-)	0,17
Other specifications	-

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Plenum with 3 flexible duct 75 mm and insulated ducting 160 mm

Pressure loss



Plenum with 3 flexible duct 75 mm and insulated ducting 160 mm

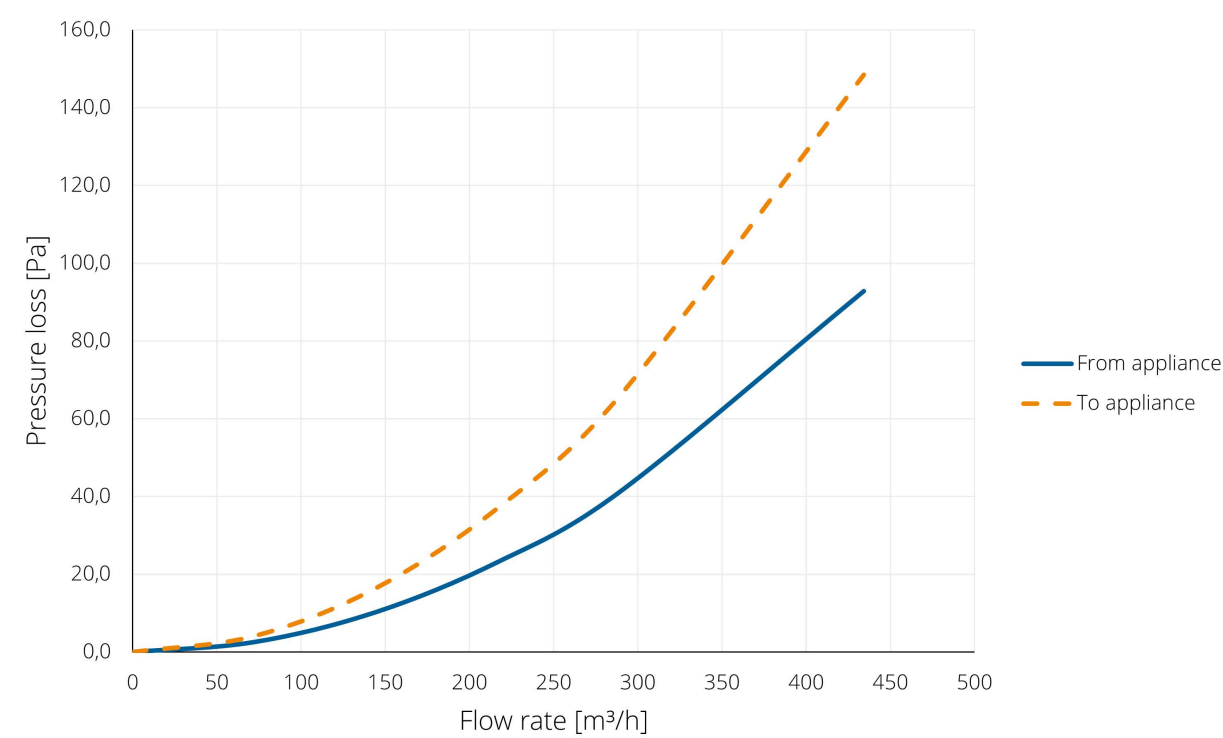
Flow velocity pressure table

Flow rate			Static pressure loss	
			From appliance	To appliance
[m/s]	[m³/h]	[l/s]	[Pa]	[Pa]
0	0	0	0,0	0,0
1	72	20	5,5	7,3
2	145	40	22,1	29,3
3	217	60	49,7	65,9
4	290	80	88,4	117,2
6	434	121	198,8	263,7

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Plenum with 3 flexible duct 90 mm and insulated ducting 160 mm

Pressure loss



Plenum with 3 flexible duct 90 mm and insulated ducting 160 mm

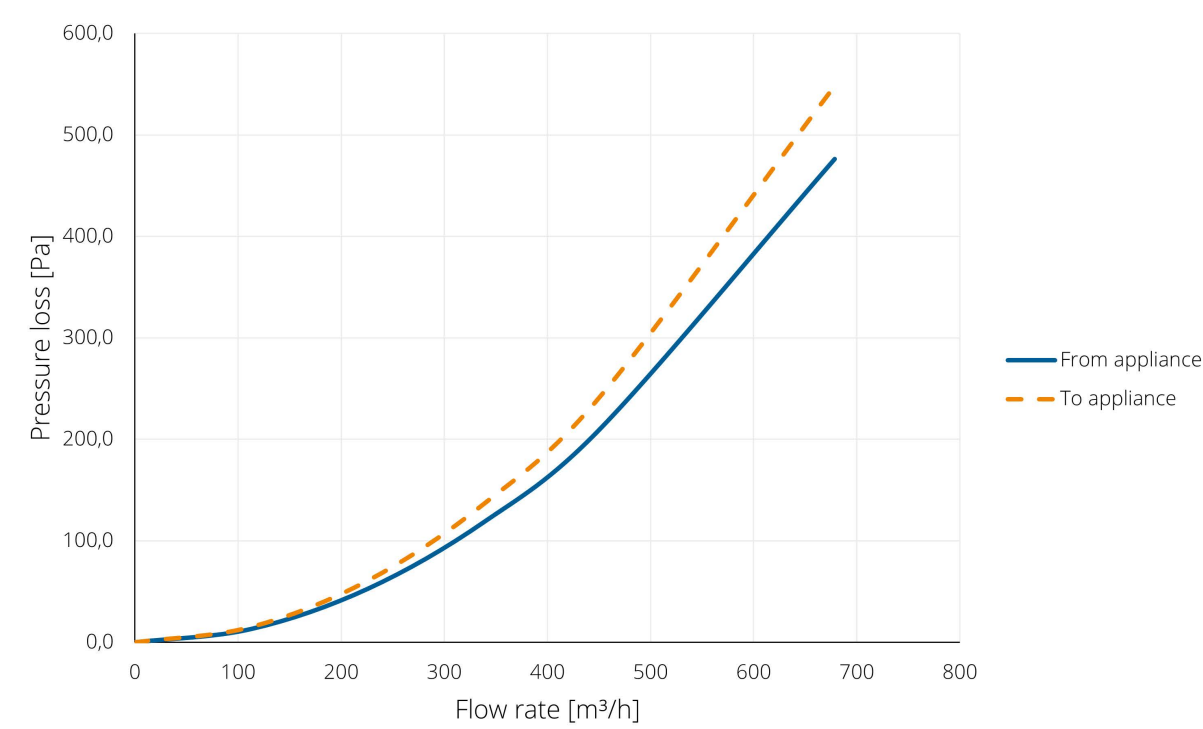
Flow velocity pressure table

Flow rate			Static pressure loss	
			From appliance	To appliance
[m/s]	[m³/h]	[l/s]	[Pa]	[Pa]
0	0	0	0,0	0,0
1	72	20	2,6	4,1
2	145	40	10,3	16,5
3	217	60	23,2	37,1
4	290	80	41,2	66,0
6	434	121	92,8	148,4

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Plenum with 3 flexible duct 75 mm and insulated ducting 200 mm

Pressure loss



Plenum with 3 flexible duct 75 mm and insulated ducting 200 mm

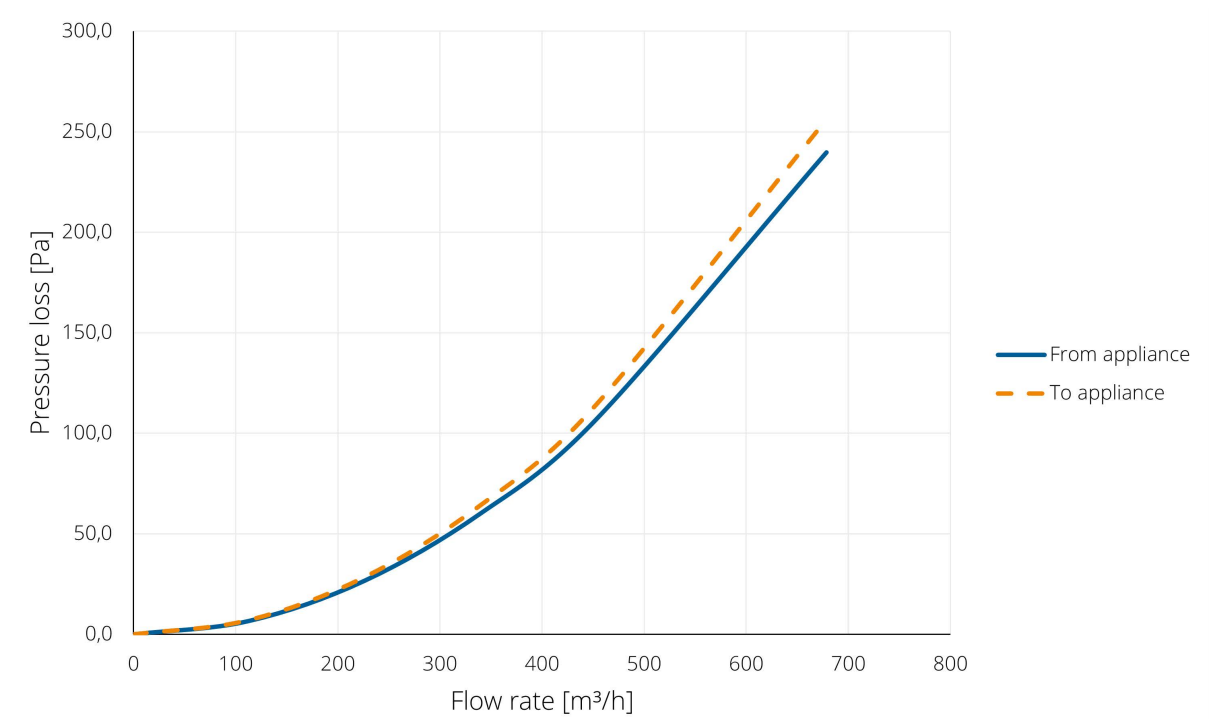
Flow velocity pressure table

Flow rate			Static pressure loss	
			From appliance	To appliance
[m/s]	[m³/h]	[l/s]	[Pa]	[Pa]
0	0	0	0,0	0,0
1	113	31	13,2	15,2
2	226	63	52,9	60,9
3	339	94	119,1	137,1
4	452	126	211,6	243,8
6	679	188	476,2	548,5

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Plenum with 3 flexible duct 90 mm and insulated ducting 200 mm

Pressure loss



Plenum with 3 flexible duct 90 mm and insulated ducting 200 mm

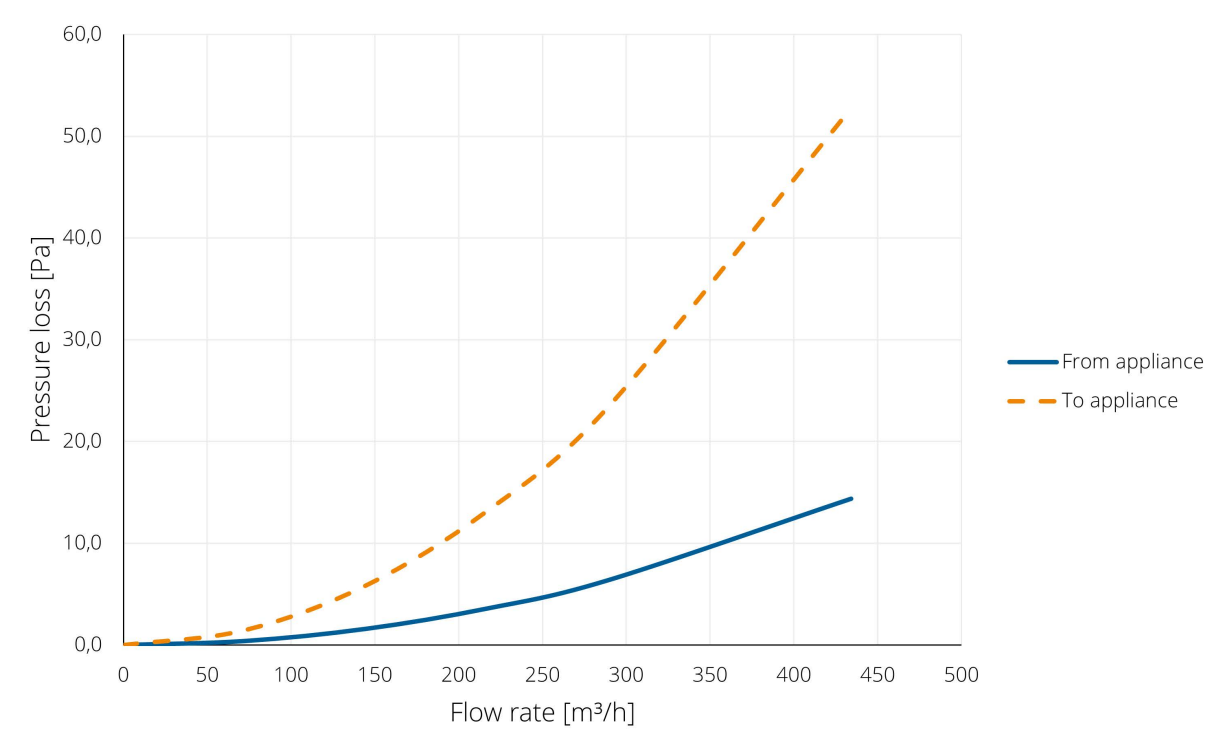
Flow velocity pressure table

Flow rate			Static pressure loss	
			From appliance	To appliance
[m/s]	[m³/h]	[l/s]	[Pa]	[Pa]
0	0	0	0,0	0,0
1	113	31	6,7	7,1
2	226	63	26,6	28,5
3	339	94	59,9	64,0
4	452	126	106,6	113,9
6	679	188	239,7	256,2

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Plenum with 8 flexible duct 75 mm and insulated ducting 160mm

Pressure loss



Plenum with 8 flexible duct 75 mm and insulated ducting 160 mm

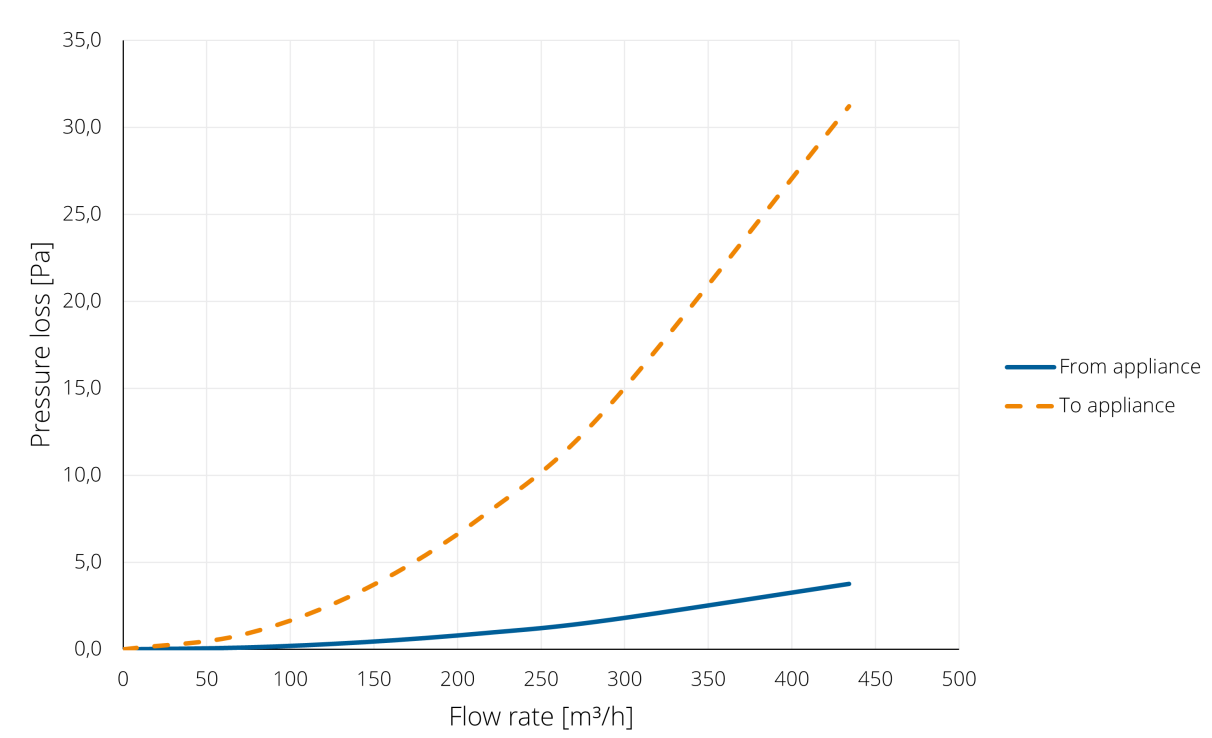
Flow velocity pressure table

Flow rate			Static pressure loss	
[m/s]	[m³/h]	[l/s]	From appliance	To appliance
			[Pa]	[Pa]
0	0	0	0,0	0,0
1	72	20	0,4	1,5
2	145	40	1,6	5,9
3	217	60	3,6	13,2
4	290	80	6,4	23,4
6	434	121	14,4	52,8

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Plenum with 12 flexible duct 75 mm and insulated ducting 160 mm

Pressure loss



Plenum with 12 flexible duct 75 mm and insulated ducting 160mm

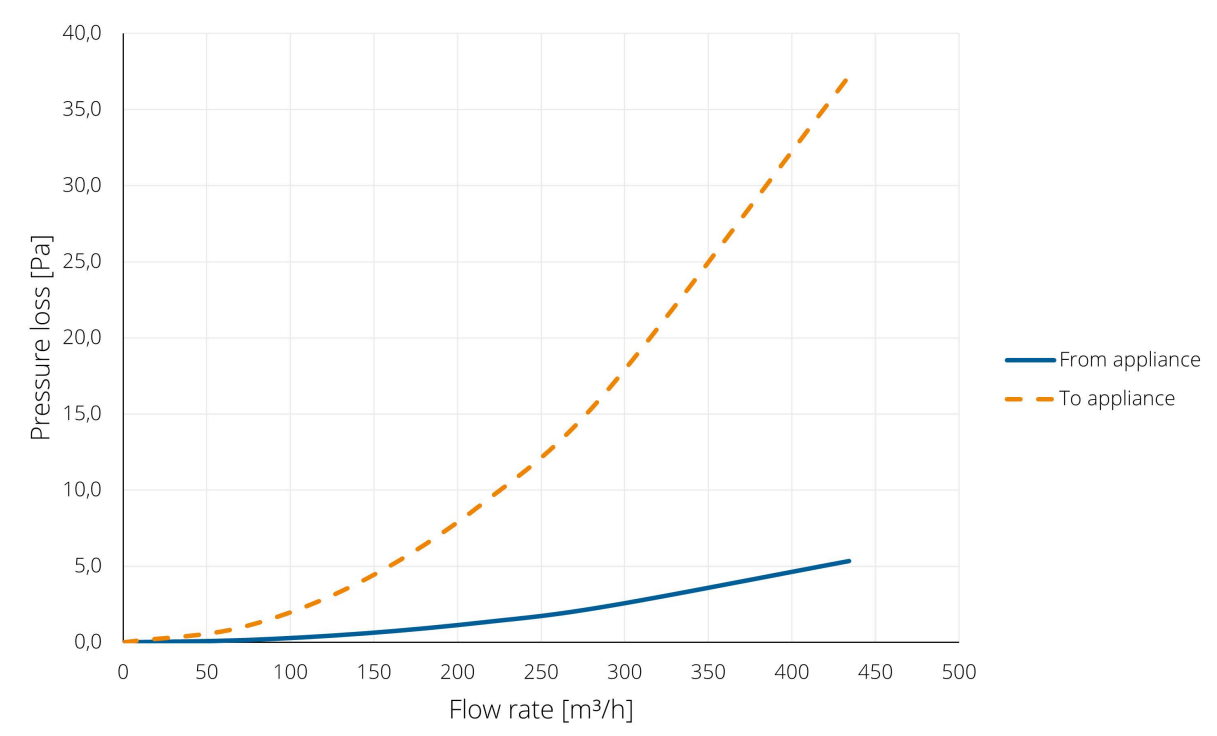
Flow velocity pressure table

Flow rate			Static pressure loss	
			From appliance	To appliance
[m/s]	[m³/h]	[l/s]	[Pa]	[Pa]
0	0	0	0,0	0,0
1	72	20	0,1	0,9
2	145	40	0,4	3,5
3	217	60	0,9	7,8
4	290	80	1,7	13,9
6	434	121	3,8	31,2

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Plenum with 8 flexible duct 90 mm and insulated ducting 160 mm

Pressure loss



Plenum with 8 flexible duct 90 mm and insulated ducting 160mm

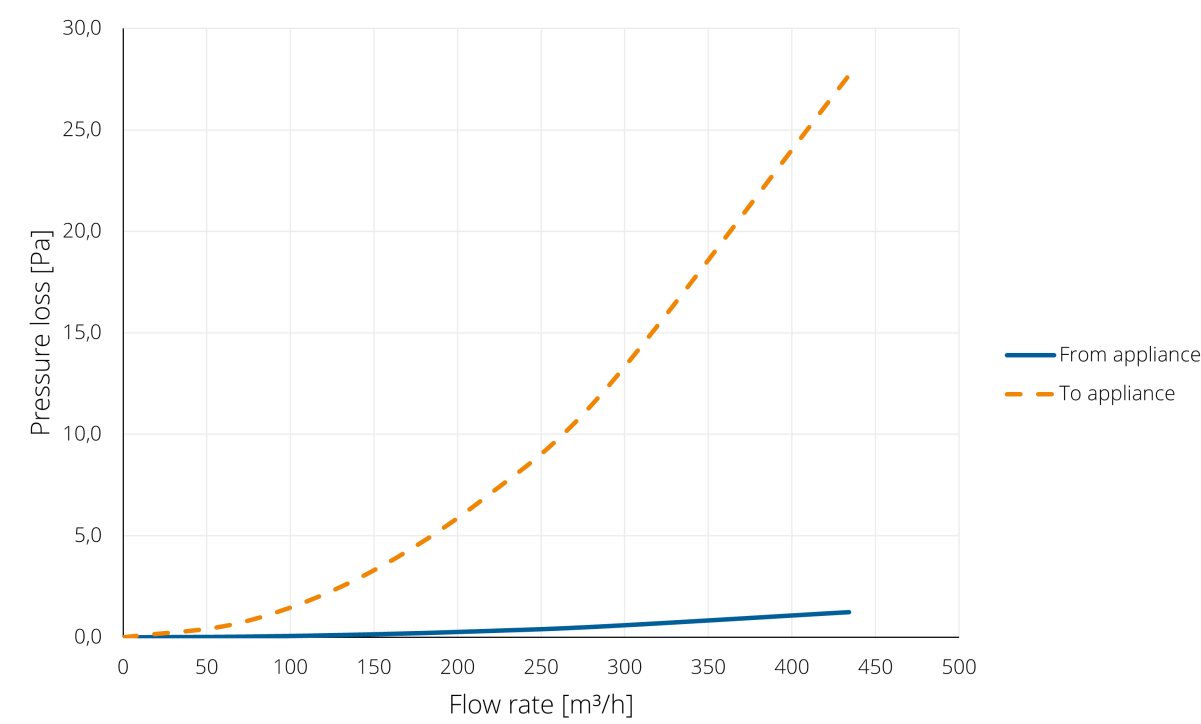
Flow velocity pressure table

Flow rate			Static pressure loss	
[m/s]	[m³/h]	[l/s]	From appliance	To appliance
			[Pa]	[Pa]
0	0	0	0,0	0,0
1	72	20	0,1	1,0
2	145	40	0,6	4,1
3	217	60	1,3	9,3
4	290	80	2,4	16,5
6	434	121	5,3	37,2

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Plenum with 12 flexible duct 90 mm and insulated ducting 160 mm

Pressure loss



Plenum with 12 flexible duct 90 mm and insulated ducting 160 mm

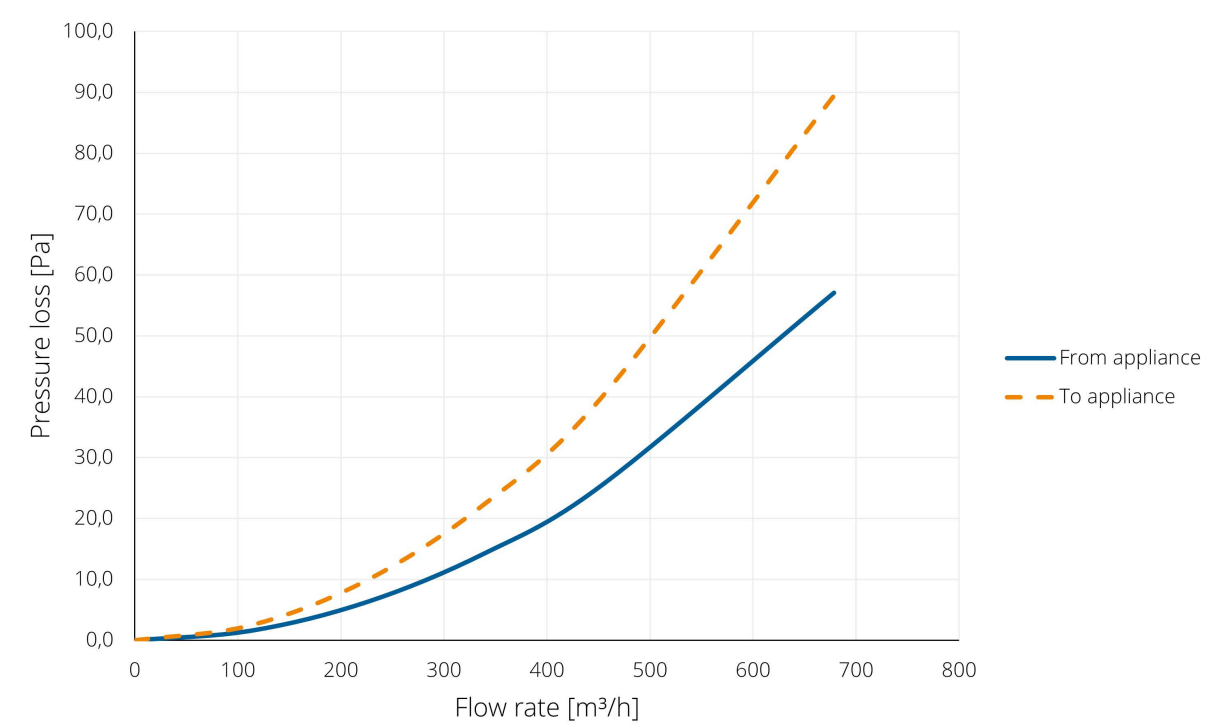
Flow velocity pressure table

Flow rate			Static pressure loss	
[m/s]	[m³/h]	[l/s]	From appliance	To appliance
			[Pa]	[Pa]
0	0	0	0,0	0,0
1	72	20	0,0	0,8
2	145	40	0,1	3,1
3	217	60	0,3	6,9
4	290	80	0,6	12,3
6	434	121	1,2	27,7

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Plenum with 8 flexible duct 75 mm and insulated ducting 200 mm

Pressure loss



Plenum with 8 flexible duct 75 mm and insulated ducting 200 mm

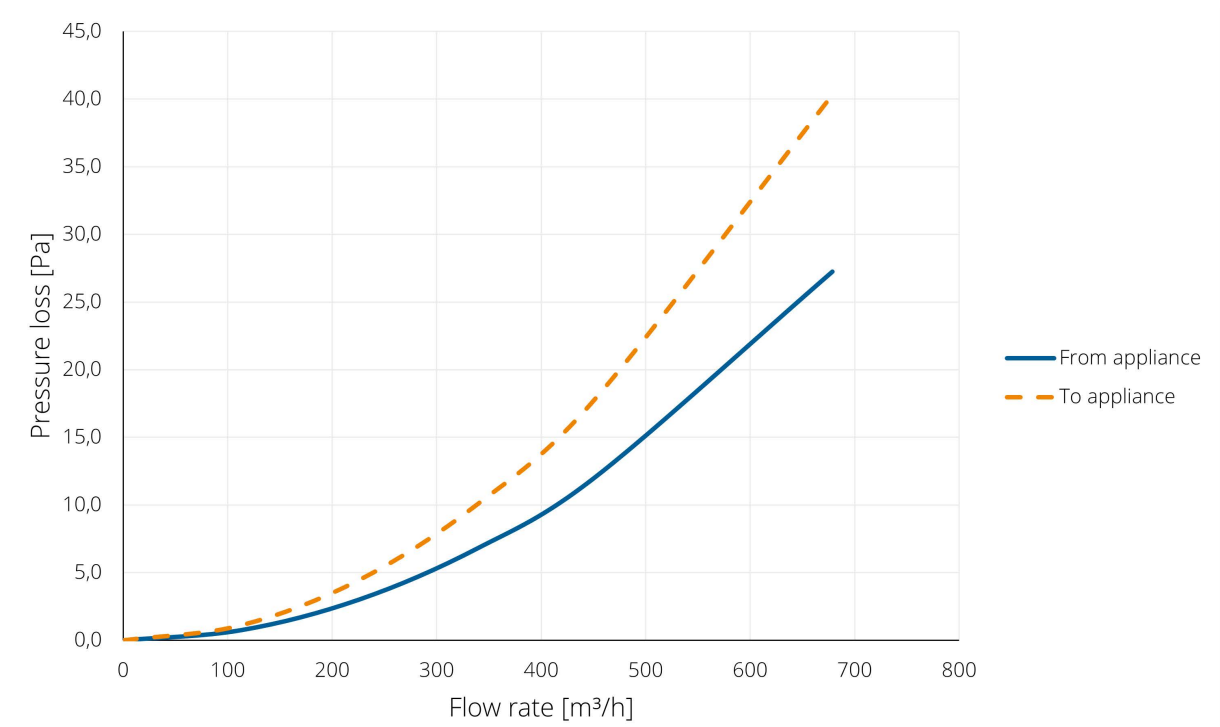
Flow velocity pressure table

Flow rate			Static pressure loss	
[m/s]	[m³/h]	[l/s]	From appliance	To appliance
			[Pa]	[Pa]
0	0	0	0,0	0,0
1	113	31	1,6	2,5
2	226	63	6,3	9,9
3	339	94	14,3	22,4
4	452	126	25,4	39,7
6	679	188	57,1	89,4

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Plenum with 12 flexible duct 75 mm and insulated ducting 200 mm

Pressure loss



Plenum with 12 flexible duct 75 mm and insulated ducting 200 mm

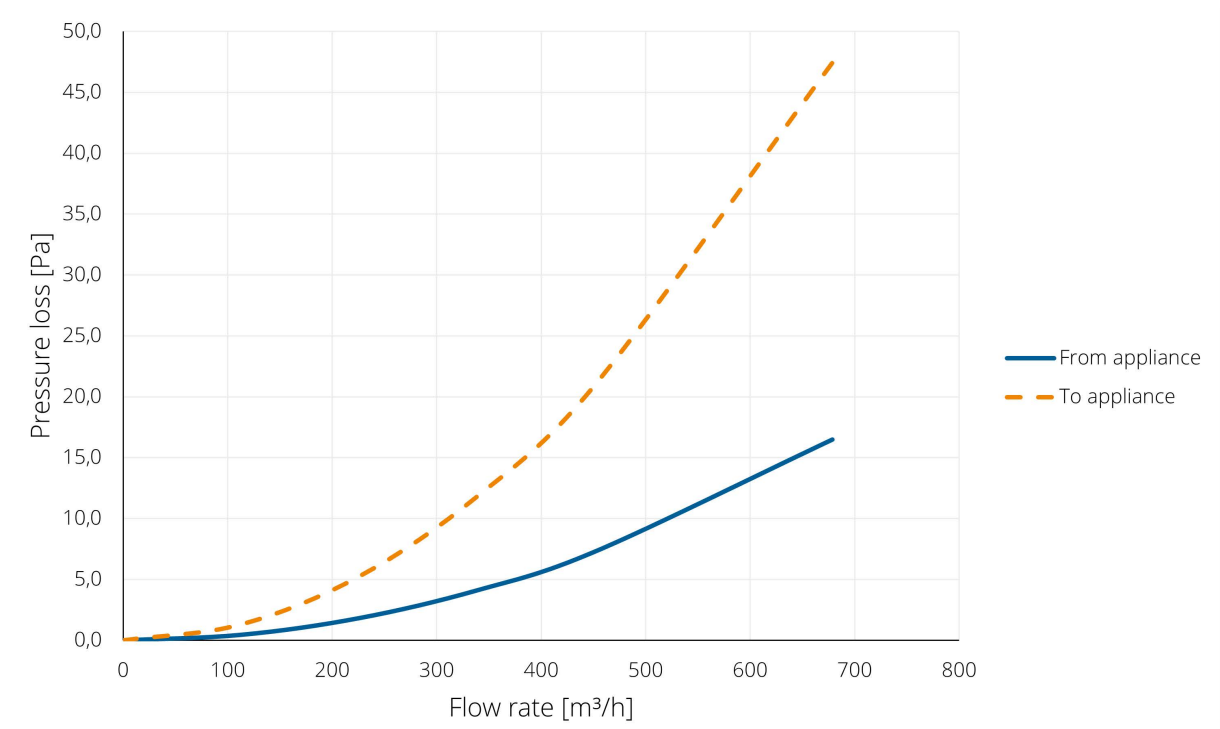
Flow velocity pressure table

Flow rate			Static pressure loss	
[m/s]	[m³/h]	[l/s]	From appliance	To appliance
			[Pa]	[Pa]
0	0	0	0,0	0,0
1	113	31	0,8	1,1
2	226	63	3,0	4,5
3	339	94	6,8	10,1
4	452	126	12,1	17,9
6	679	188	27,2	40,3

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Plenum with 8 flexible duct 90 mm and insulated ducting 200 mm

Pressure loss



Plenum with 8 flexible duct 90 mm and insulated ducting 200 mm

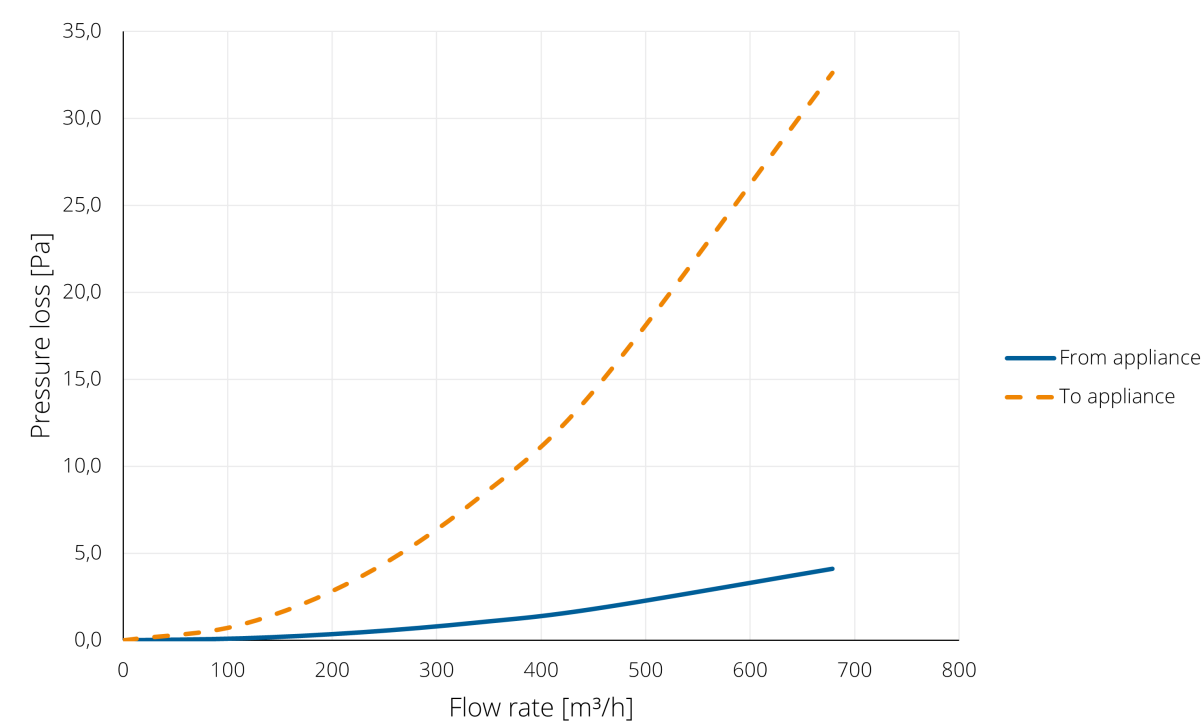
Flow velocity pressure table

Flow rate			Static pressure loss	
[m/s]	[m³/h]	[l/s]	From appliance	To appliance
			[Pa]	[Pa]
0	0	0	0,0	0,0
1	113	31	0,5	1,3
2	226	63	1,8	5,3
3	339	94	4,1	11,9
4	452	126	7,3	21,1
6	679	188	16,5	47,4

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Plenum with 12 flexible duct 90 mm and insulated ducting 200 mm

Pressure loss



Plenum with 12 flexible duct 90 mm and insulated ducting 200 mm

Flow velocity pressure table

Flow rate			Static pressure loss	
[m/s]	[m³/h]	[l/s]	From appliance	To appliance
			[Pa]	[Pa]
0	0	0	0,0	0,0
1	113	31	0,1	0,9
2	226	63	0,5	3,6
3	339	94	1,0	8,2
4	452	126	1,8	14,5
6	679	188	4,1	32,6

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