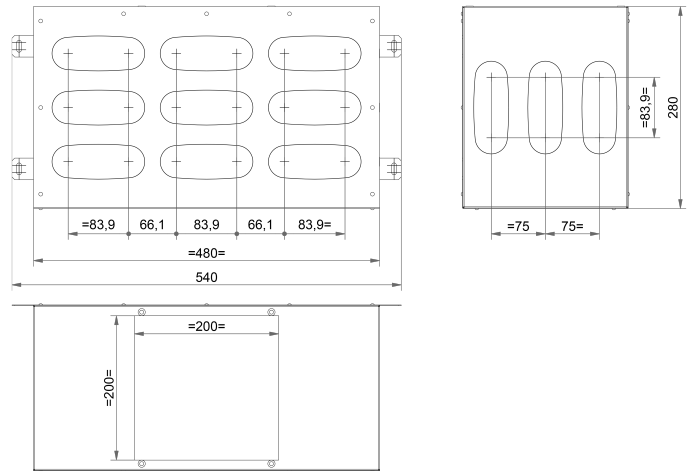


## General information

Universal galvanized steel air distribution plenum, insulated, with 24 connections



## Specifications

Article number	HBPLO 09
Product category	Air extraction plenum / Air distribution
Material	Galvanized
Colour	Material own colour
Wall Thickness (mm)	0,8
Weight (kg)	4,782

## Dimensions

Dimensions (l x w x h mm)	480 x 230 x 280
Connection diameter flexible (mm)	52 x 132
Connection diameter ridged (mm)	125, 160, 180, 200

## Application Insights

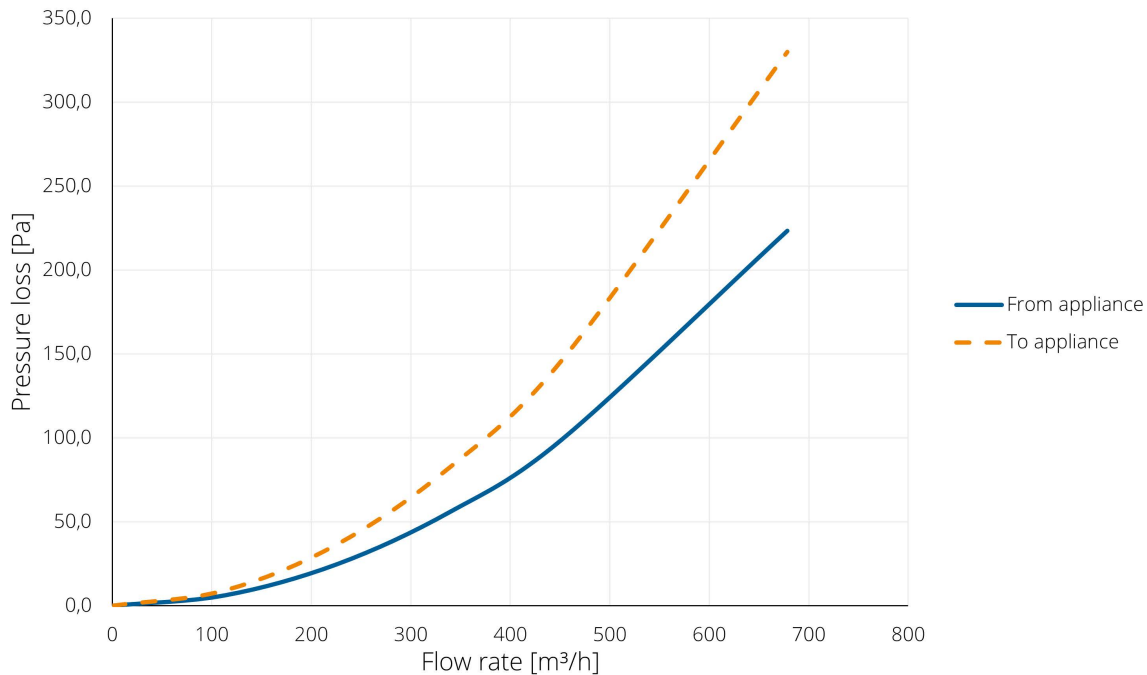
Application	Air
Supply / Extract	Supply / Extract
Number of connections	24
Temperature range (°C)	-25 / +80

## Technical Specifications

Maximum air flow (m <sup>3</sup> /h)	350
Air tightness class (ATC)	3
R-value 10°C (m <sup>2</sup> K/W)	0,17
Other specifications	-

## Plenum with 3 flexible duct 132x52 mm and insulated ducting 200 mm

Pressure loss



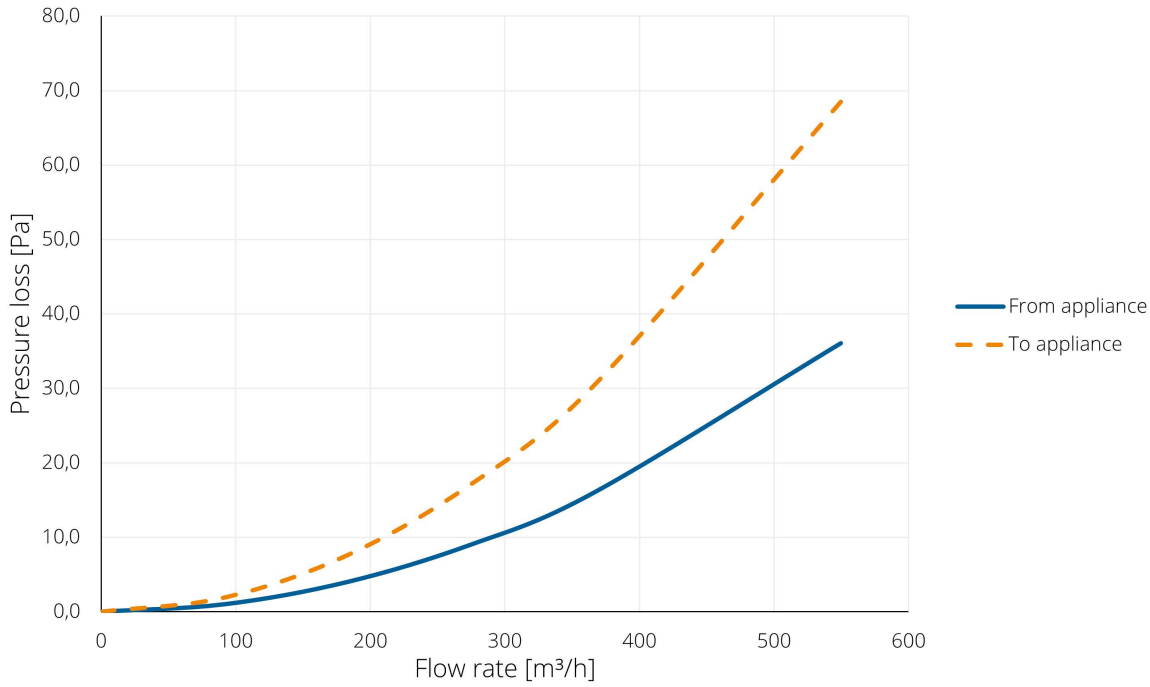
## Plenum with 3 flexible duct 132x52 mm and insulated ducting 200 mm

Flow velocity pressure table

Flow rate			Static pressure loss	
[m/s]	[m³/h]	[l/s]	From appliance [Pa]	To appliance [Pa]
0	0	0	0,0	0,0
1	113	31	6,2	9,2
2	226	63	24,8	36,7
3	339	94	55,8	82,5
4	452	126	99,3	146,6
6	679	188	223,3	329,9

## Plenum with 6 flexible duct 132x52 mm and insulated ducting 180 mm

Pressure loss



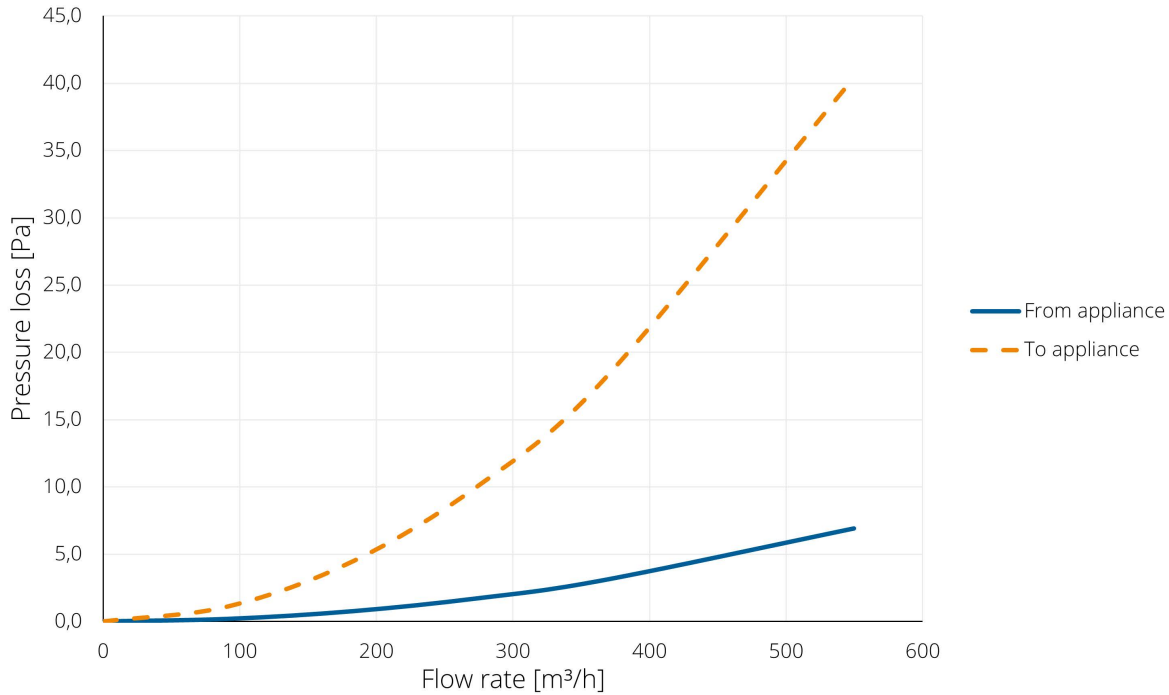
## Plenum with 6 flexible duct 132x52 mm and insulated ducting 180 mm

Flow velocity pressure table

Flow rate			Static pressure loss	
[m/s]	[m³/h]	[l/s]	From appliance [Pa]	To appliance [Pa]
0	0	0	0,0	0,0
1	92	25	1,0	1,9
2	183	51	4,0	7,6
3	275	76	9,0	17,1
4	366	102	16,0	30,4
6	550	153	36,0	68,5

## Plenum with 9 flexible duct 132x52 mm and insulated ducting 180 mm

Pressure loss



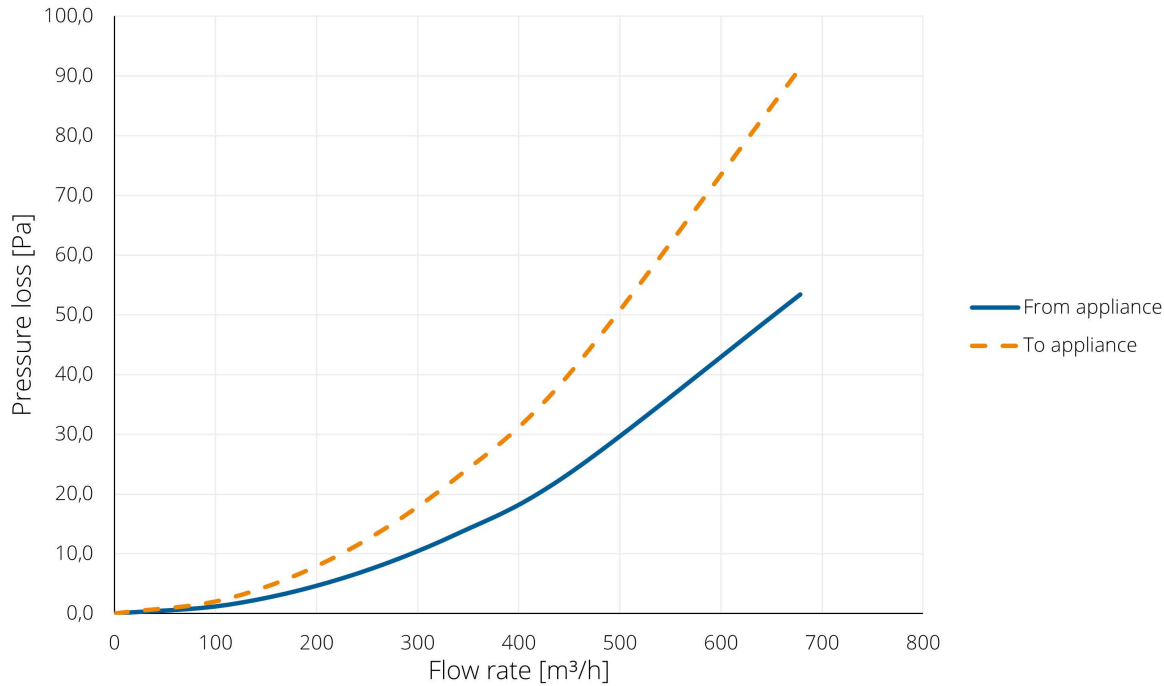
## Plenum with 9 flexible duct 132x52 mm and insulated ducting 180 mm

Flow velocity pressure table

Flow rate			Static pressure loss	
[m/s]	[m³/h]	[l/s]	From appliance [Pa]	To appliance [Pa]
0	0	0	0,0	0,0
1	92	25	0,2	1,1
2	183	51	0,8	4,5
3	275	76	1,7	10,1
4	366	102	3,1	18,0
6	550	153	6,9	40,4

## Plenum with 6 flexible duct 132x52 mm and insulated ducting 200 mm

Pressure loss



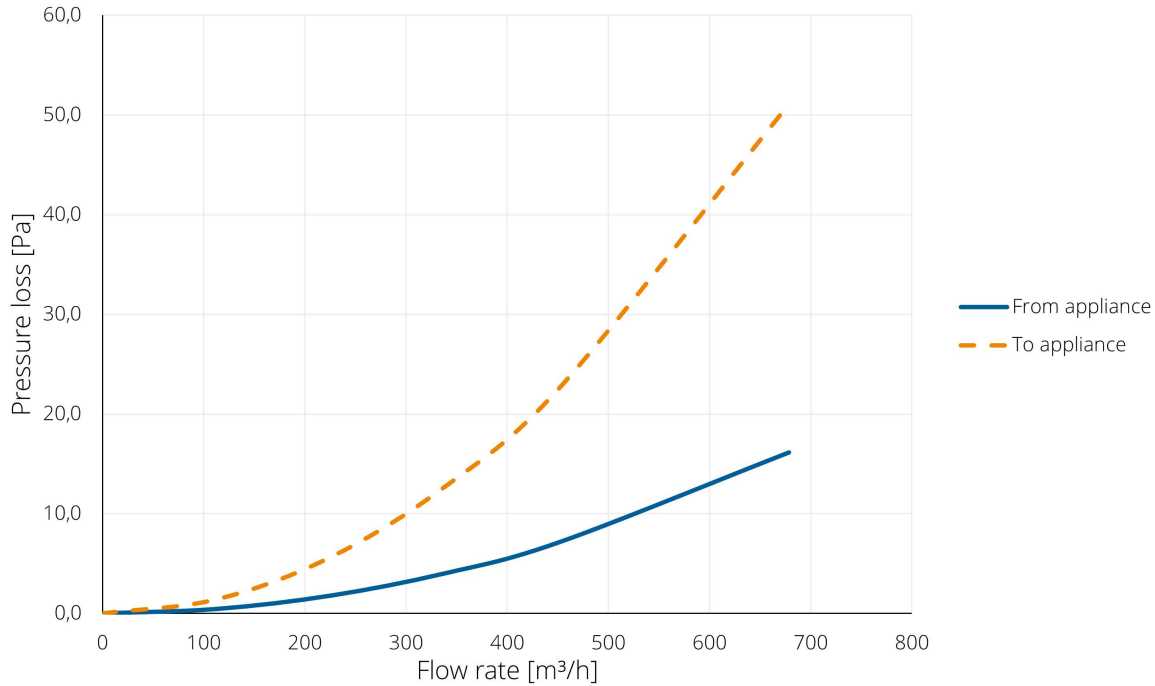
## Plenum with 6 flexible duct 132x52 mm and insulated ducting 200 mm

Flow velocity pressure table

Flow rate			Static pressure loss	
[m/s]	[m³/h]	[l/s]	From appliance [Pa]	To appliance [Pa]
0	0	0	0,0	0,0
1	113	31	1,5	2,5
2	226	63	5,9	10,2
3	339	94	13,4	22,8
4	452	126	23,7	40,6
6	679	188	53,4	91,4

## Plenum with 9 flexible duct 132x52 mm and insulated ducting 200 mm

Pressure loss



## Plenum with 9 flexible duct 132x52 mm and insulated ducting 200 mm

Flow velocity pressure table

Flow rate			Static pressure loss	
[m/s]	[m³/h]	[l/s]	From appliance [Pa]	To appliance [Pa]
0	0	0	0,0	0,0
1	113	31	0,4	1,4
2	226	63	1,8	5,7
3	339	94	4,0	12,8
4	452	126	7,2	22,7
6	679	188	16,2	51,1