

## HALO supply air diffuser

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## HALO supply air diffuser

Ultra stylish and modern HALO diffuser for coffered ceilings has been developed in cooperation with leading architects. The ingenious design of HALO forms together with the ceiling a finished and detailed entity. HALO functions silently and without draught and suits also exhaust air.

### **Air flow range**

5-170 dm<sup>3</sup>/s, 18-612 m<sup>3</sup>/h

### **Duct sizes**

Ø125-315

### **Material**

Galvanized steel

### **Ventilation type**

Diffusion ventilation

### Description

The timeless, stream lined and light design of HALO forms a horizontal throw-pattern. The device suits a wide range of air flow rates making it an ideal option for a variety of projects.

The diffuser forms a truly stylish entity while attached into a ceiling and leaves the space finished up to the smallest details. With its unique attachment mechanism, no attachment structures, adjustment mechanism or ducts are visible from behind the front plate.

### For high-class air distribution

Due to its functional construction HALO forms a wide-spread, horizontal throw-pattern quietly and does not cause feeling of draught. The throw-pattern can be directed into 1,2,3, or 4 directions.

While using HALO and FLO plenum box together, the advantages of FLO's highly accurate and sturdy adjustment mechanism can be attained.

### Two options for installation

HALO suits coffered ceilings with a 600×600 attachment plate. A smaller collar joint attachment plate can be used when the diffuser is placed on an even ceiling.

HALO diffusers also suit exhaust air. In this case we recommend using FLO plenum box.

### Qualities:

- distinctively light and streamlined design
- horizontal throw-pattern
- directable throw-pattern
- two options for attachment plate

SEE ALSO DESIGN DIFFUSER HALO-X

## HALO supply air diffuser

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### Product code

HALO    –    X    –    125    –    600  
1            2            3            4

1 = HALO for supply air, HALOi for exhaust air

2 = HALO-X

3 = Duct size 125-315 mm

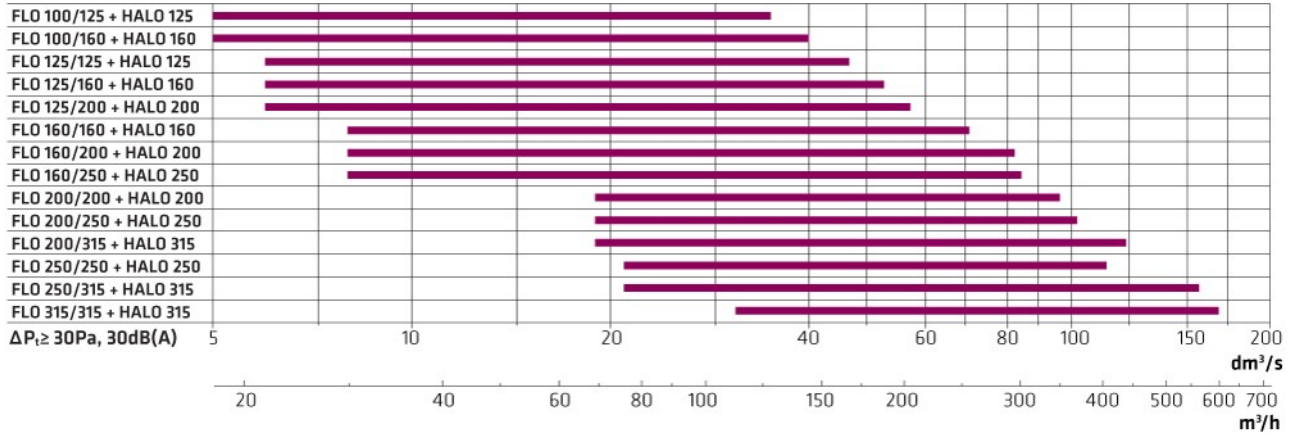
4 = with a 600×600 mm attachment plate

HALO-125 = HALO for supply air, for an even ceiling

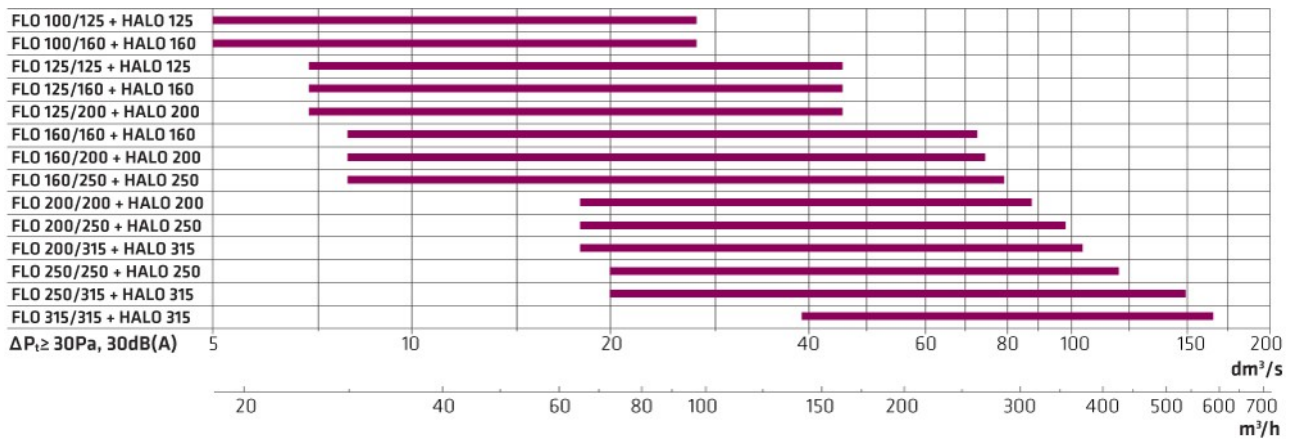
# HALO supply air diffuser

## Quick guide

### Supply air



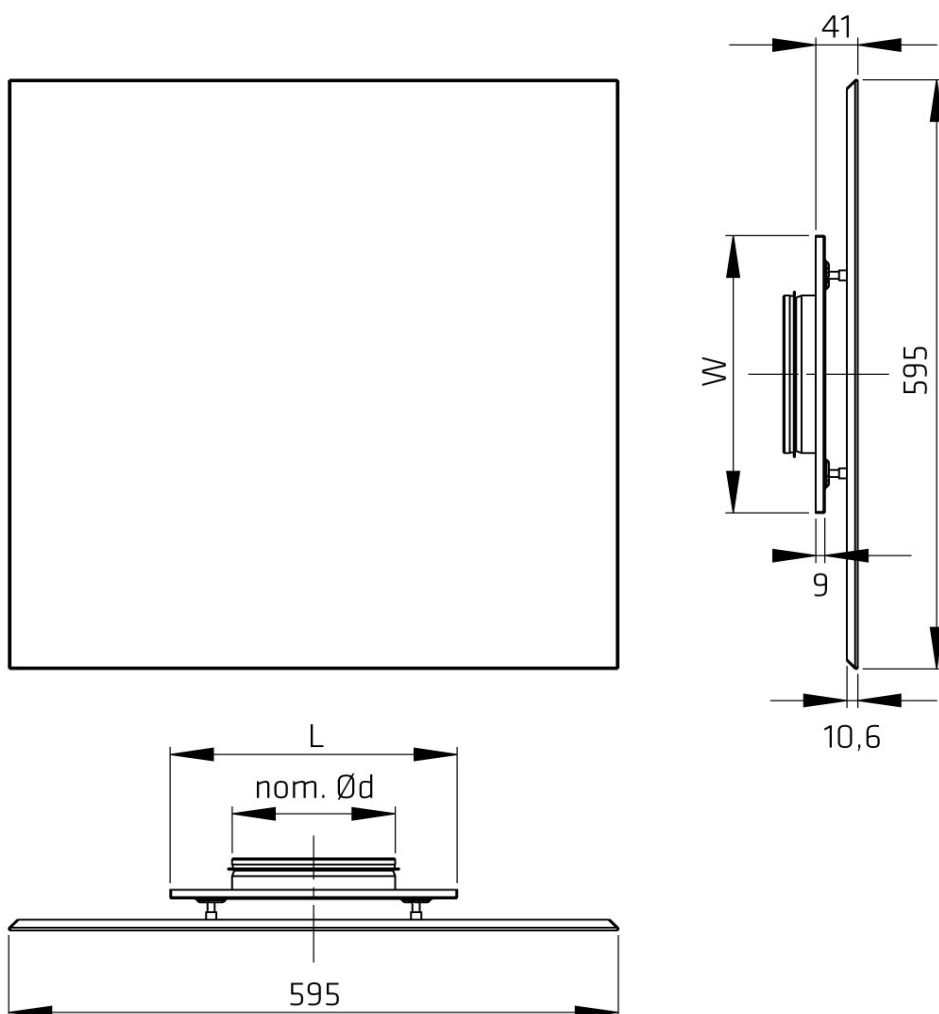
### Exhaust air



## Dimensions

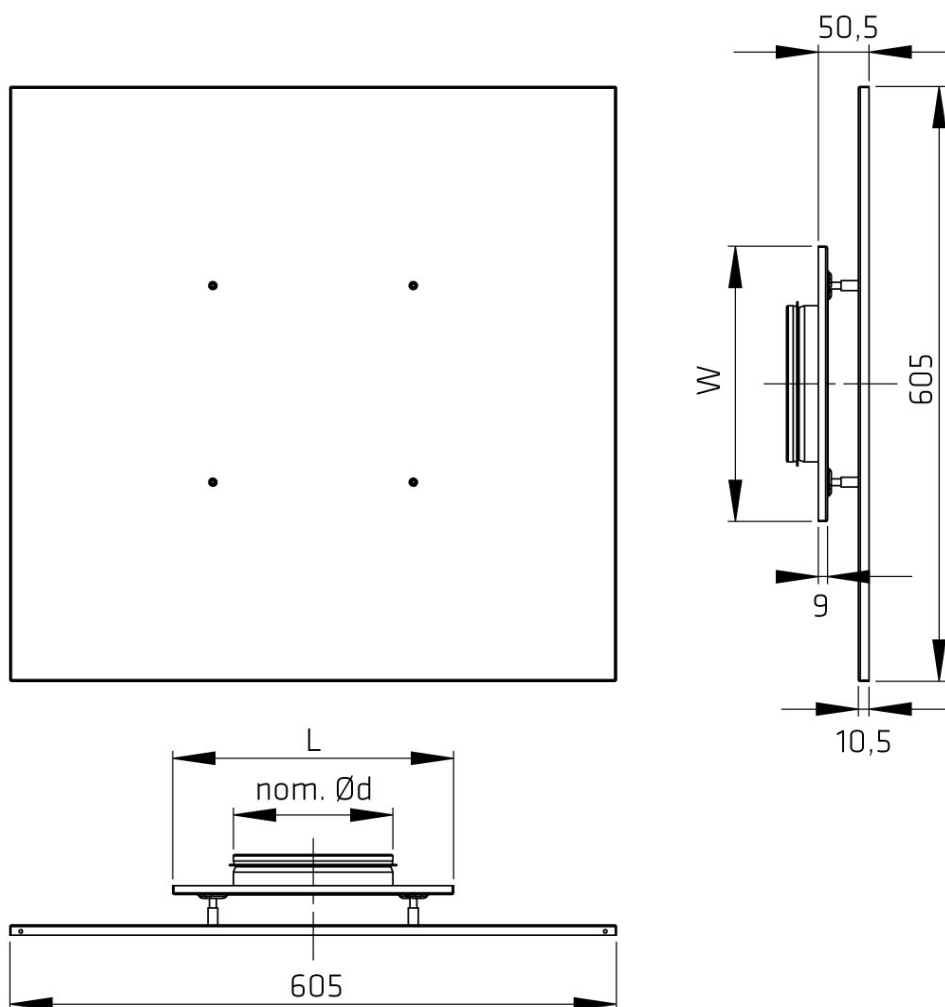
HALO

## HALO supply air diffuser



	nom. Ød	L	W	Kg
<b>HALO 125</b>	125	280	280	3,8
<b>HALO 160</b>	160	280	280	3,8
<b>HALO 200</b>	200	280	280	3,8
<b>HALO 250</b>	250	335	335	4
<b>HALO 315</b>	315	400	400	4,2
<b>HALO 125-600</b>	125	595	595	6
<b>HALO 160-600</b>	160	595	595	6
<b>HALO 200-600</b>	200	595	595	6
<b>HALO 250-600</b>	250	595	595	6
<b>HALO 315-600</b>	315	595	595	6

## HALO supply air diffuser



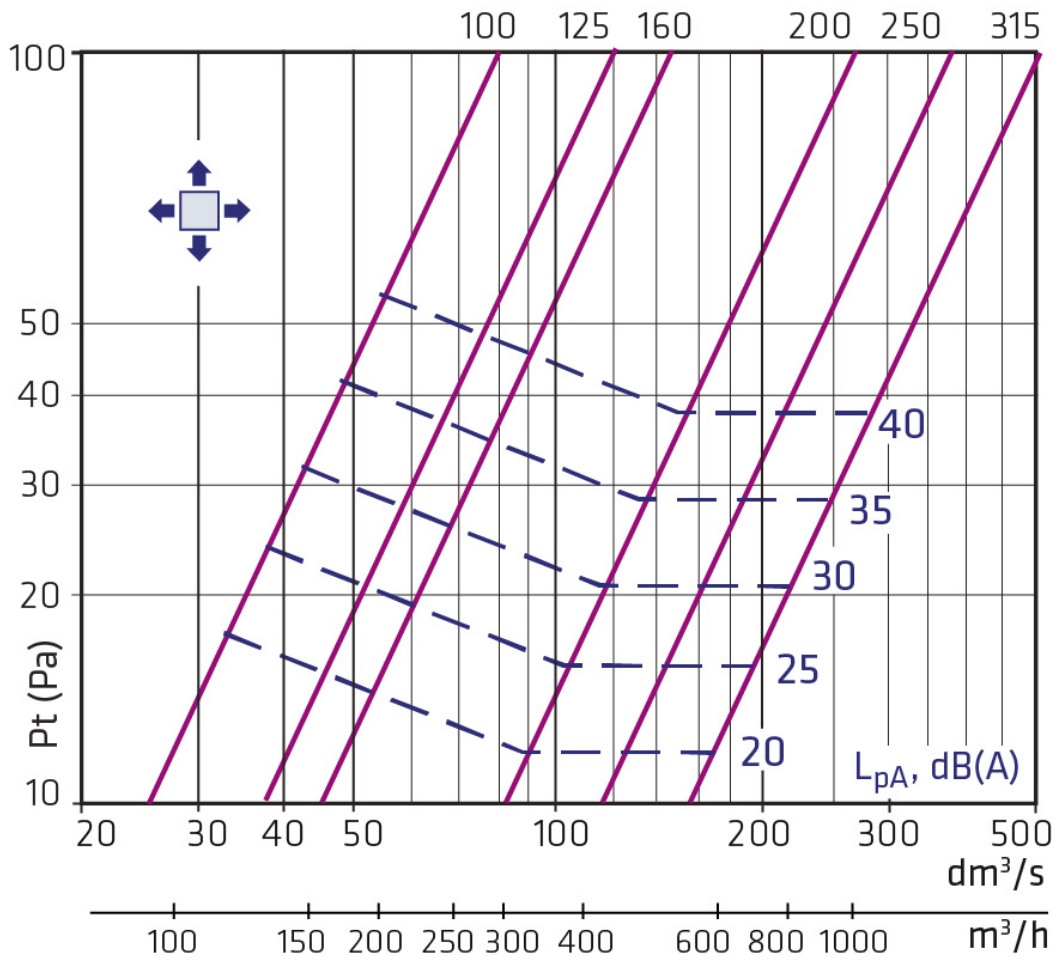
	nom. Ød	L	W	Kg
HALO-X 125	125	280	280	3,8
HALO-X 160	160	280	280	3,8
HALO-X 200	200	280	280	3,8
HALO-X 250	250	335	335	4
HALO-X 315	315	400	400	4,2
HALO-X 125-600	125	595	595	6
HALO-X 160-600	160	595	595	6
HALO-X 200-600	200	595	595	6
HALO-X 250-600	250	595	595	6
HALO-X 315-600	315	595	595	6

# HALO supply air diffuser

## Dimensioning

Not intended for adjustment.

### HALO



Without plenum box.

Airflow to 4 directions.

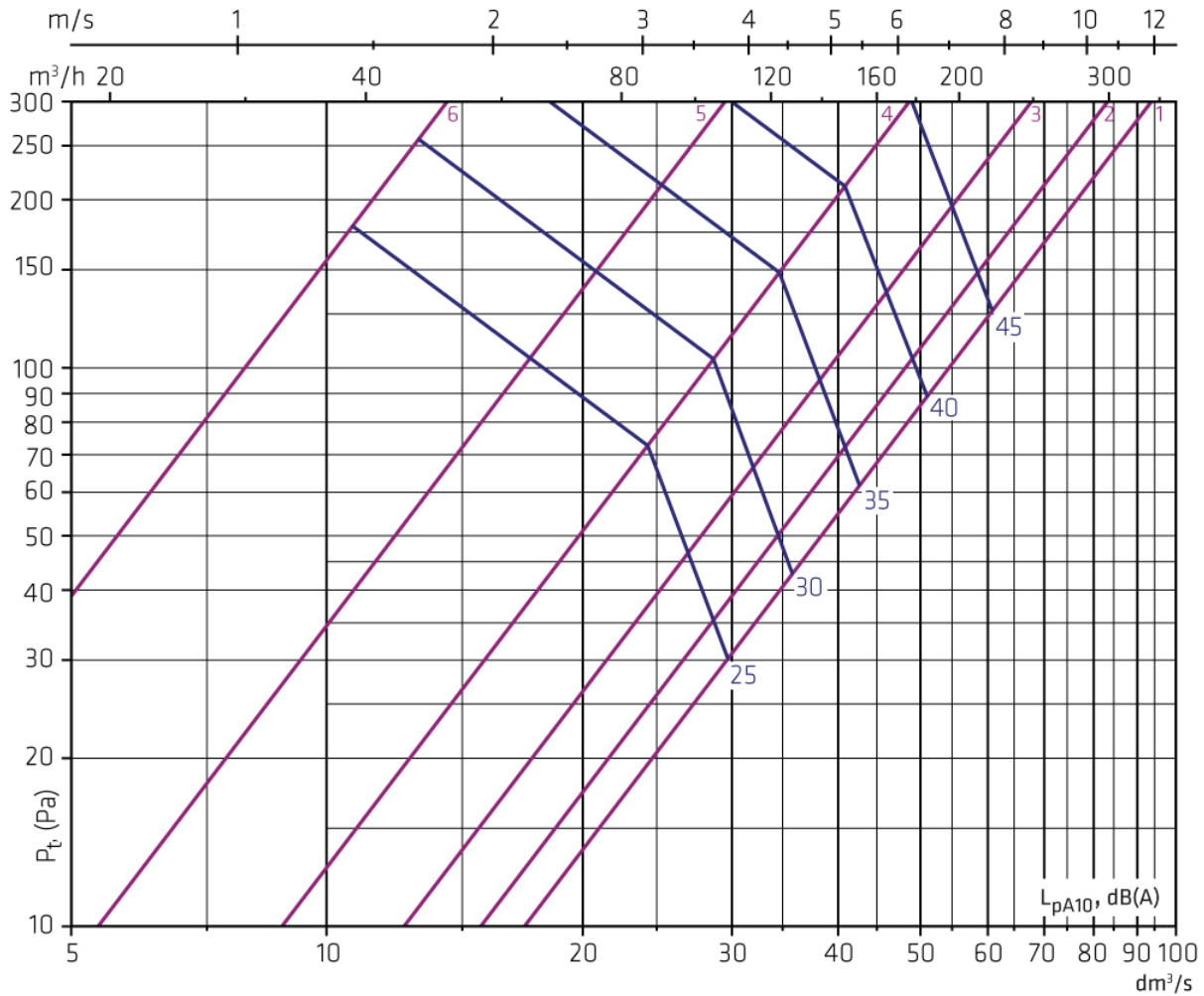


# HALO supply air diffuser

## Dimensioning HALO + FLO supply air

Not intended for adjustment.

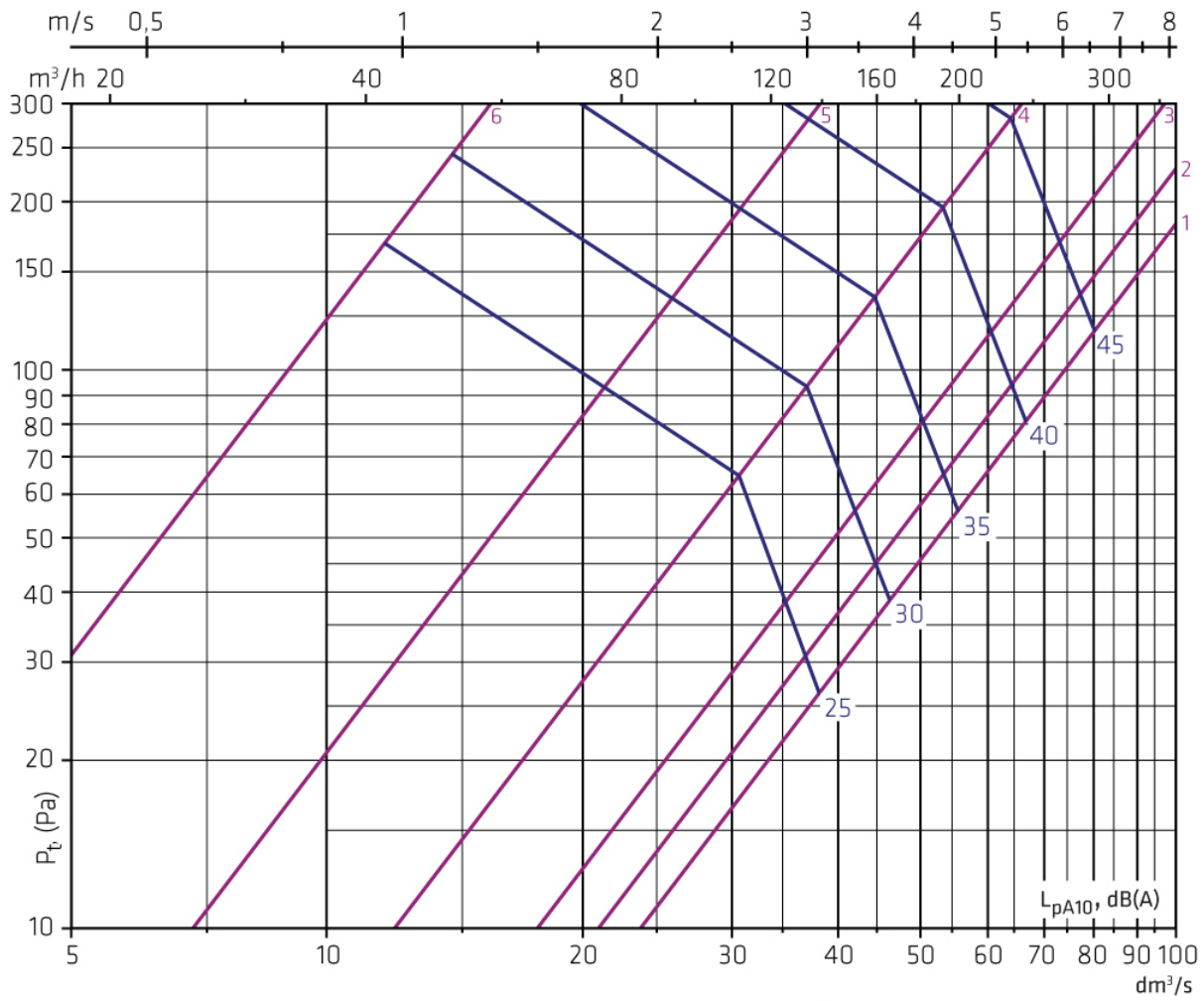
### HALO-125 + FLO-100-125 Supply air



<b><math>L_{w\text{okt}} = L_{pA10} + K</math></b>								
<b>f, Hz</b>	63	125	250	500	1k	2k	4k	8k
<b>K, dB</b>	6	10	4	3	-3	-9	-13	-15
<b><math>\Delta L</math> (dB)</b>								
<b>Dt, dB</b>	24	14	16	17	20	22	19	20

### HALO-125 + FLO-125-125 Supply air

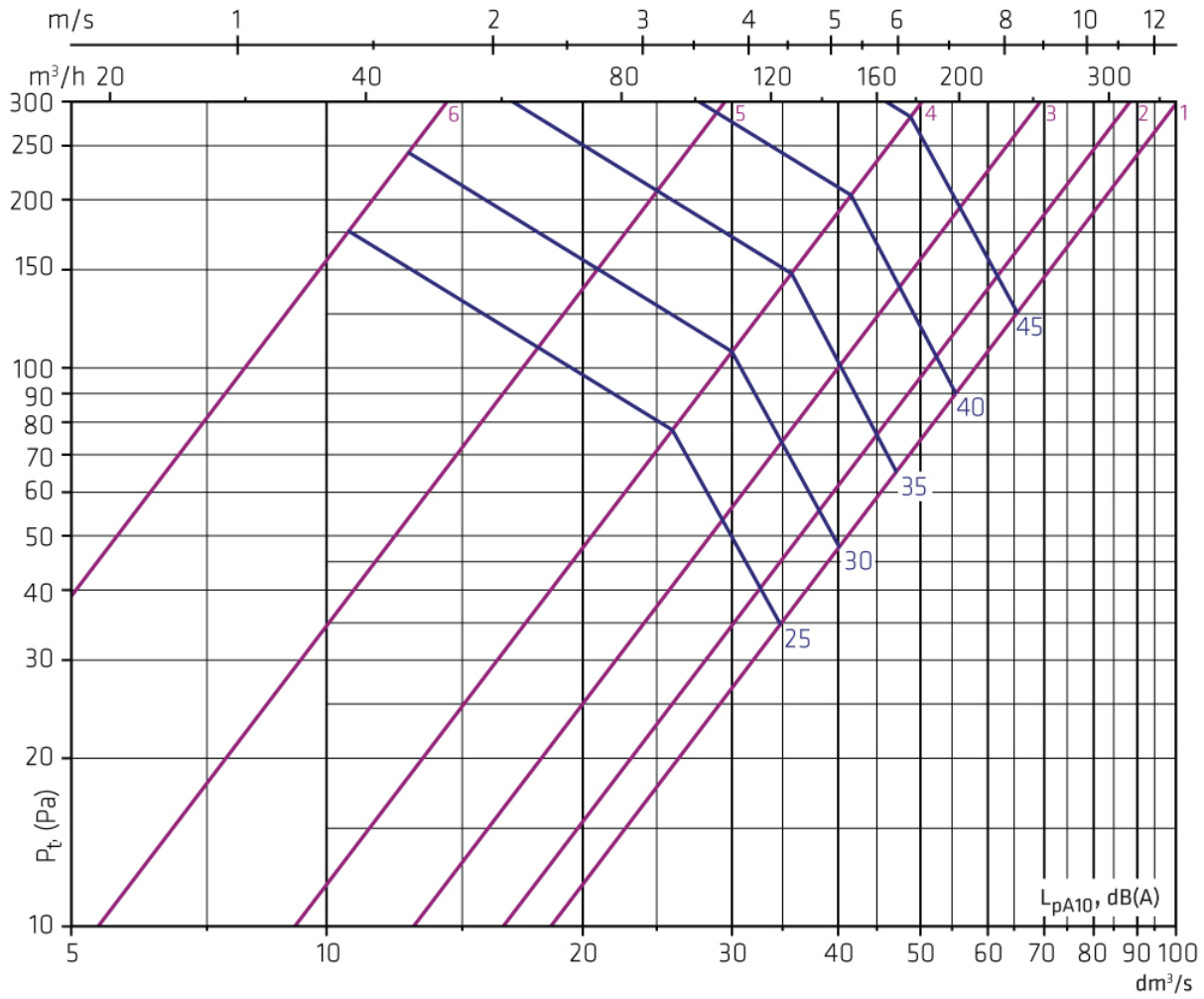
# HALO supply air diffuser



$L_{w\text{okt}} = L_{pA10} + K$								
f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	6	9	0	1	0	-9	-14	-15
$\Delta L$ (dB)								
Dt, dB	28	12	14	18	18	20	21	21

## HALO-160 + FLO-100-160 Supply air

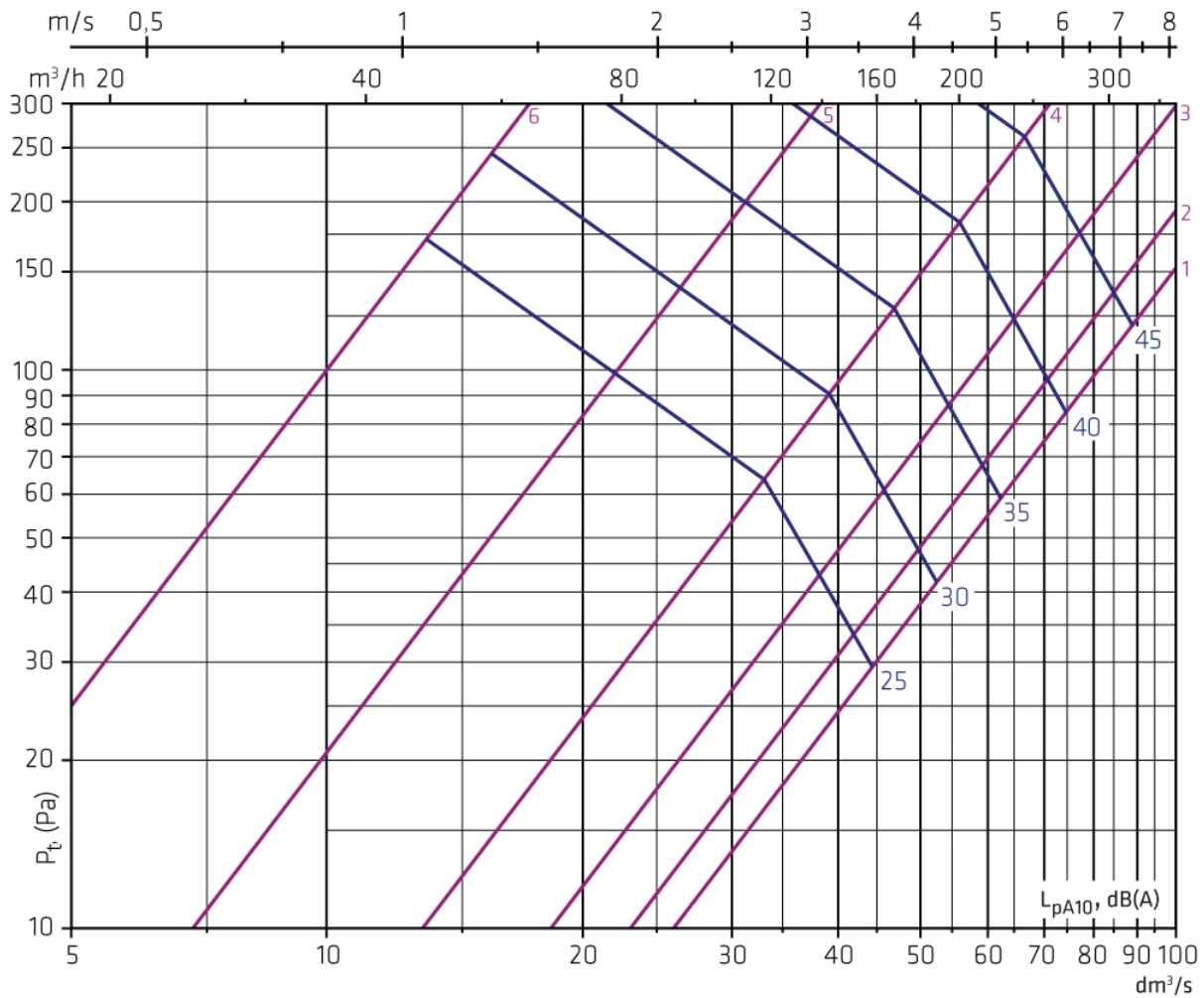
# HALO supply air diffuser



$L_{w\text{okt}} = L_{pA10} + K$								
<b>f, Hz</b>	63	125	250	500	1k	2k	4k	8k
<b>K, dB</b>	4	7	2	5	-3	-8	-10	-9
$\Delta L$ (dB)								
<b>Dt, dB</b>	26	14	14	13	19	22	17	18

# HALO-160 + FLO-125-160 Supply air

# HALO supply air diffuser



$L_{w\text{okt}} = L_{pA10} + K$								
f, Hz	63	125	250	500	1k	2k	4k	8k
K, dB	6	9	2	1	-1	-8	-11	-14
$\Delta L$ (dB)								
Dt, dB	22	12	13	17	18	17	20	21

## HALO-160 + FLO-160-160 Supply air

## **HALO supply air diffuser**

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**HALO-200 + FLO-125-200 Supply air**

## **HALO supply air diffuser**

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**HALO-200 + FLO-160-200 Supply air**

## **HALO supply air diffuser**

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## **HALO-200 + FLO-200-200 Supply air**

## **HALO supply air diffuser**

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**HALO-250 + FLO-160-250 Supply air**



## **HALO supply air diffuser**

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**HALO-250 + FLO-200-250 Supply air**

## **HALO supply air diffuser**

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**HALO-250 + FLO-250-250 Supply air**

## **HALO supply air diffuser**

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**HALO-315 + FLO-200-315 Supply air**

## **HALO supply air diffuser**

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**HALO-315 + FLO-250-315 Supply air**

## **HALO supply air diffuser**

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**HALO-315 + FLO-315-315 Supply air**

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## **HALO supply air diffuser**

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### **Dimensioning HALO + FLO exhaust air**

Not intended for adjustment.

### **HALOi-125 + FLO-100-125 Exhaust air**

### **HALOi-125 + FLO-125-125 Exhaust air**

## **HALO supply air diffuser**

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**HALOi-160 + FLO-100-160 Exhaust air**



## **HALO supply air diffuser**

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## **HALOi-160 + FLO-125-160 Exhaust air**

## **HALO supply air diffuser**

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**HALOi-160 + FLO-160-160 Exhaust air**

## **HALO supply air diffuser**

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**HALOi-200 + FLO-125-200 Exhaust air**

## **HALO supply air diffuser**

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**HALOi-200 + FLO-160-200 Exhaust air**

## **HALO supply air diffuser**

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## **HALOi-200 + FLO-200-200 Exhaust air**

## **HALO supply air diffuser**

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**HALOi-250 + FLO-160-250 Exhaust air**

## **HALO supply air diffuser**

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**HALOi-250 + FLO-200-250 Exhaust air**

## **HALO supply air diffuser**

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**HALOi-250 + FLO-250-250 Exhaust air**



## **HALO supply air diffuser**

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**HALOi-315 + FLO-200-315 Exhaust air**

## **HALO supply air diffuser**

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**HALOi-315 + FLO-250-315 Exhaust air**

## **HALO supply air diffuser**

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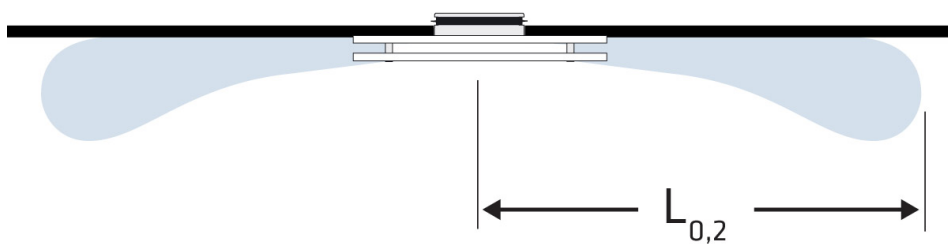
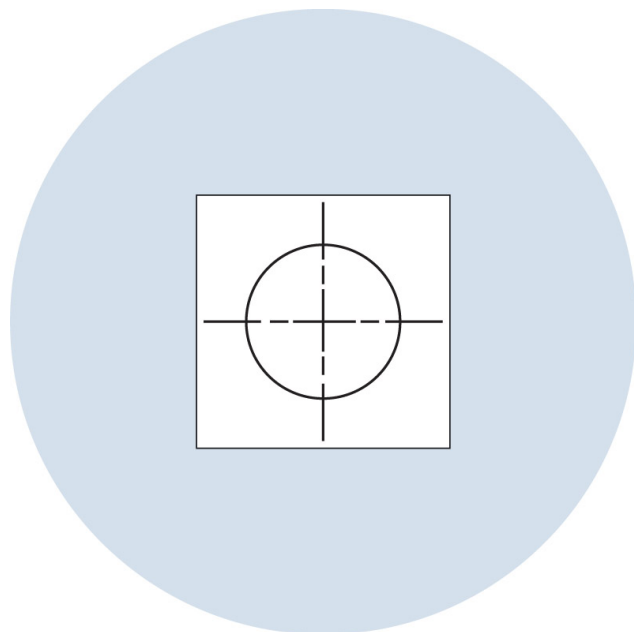
## **HALOi-315 + FLO-315-315 Exhaust air**

# HALO supply air diffuser

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## **Throw pattern and length**

### **Throw pattern**



### **Throw length**

**4 directions**

## HALO supply air diffuser

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Throw length data values are measured with isothermal supply air.

Airflow is directed at 4 directions, installed against the ceiling without a plenum box.

### Factors

No. of directions	Throw length $L_{0,2}$	Sound level dB(A)
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The data applies to both HALO models.

We recommend using FLO plenum box for supply air.

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