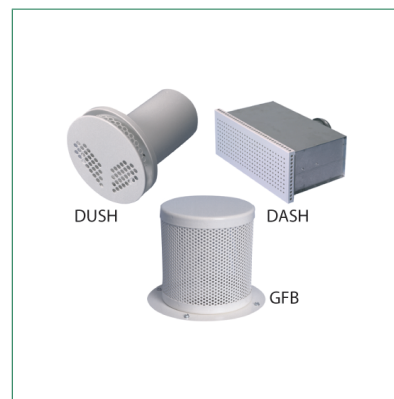
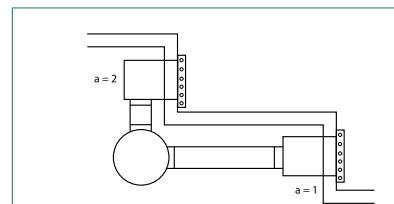
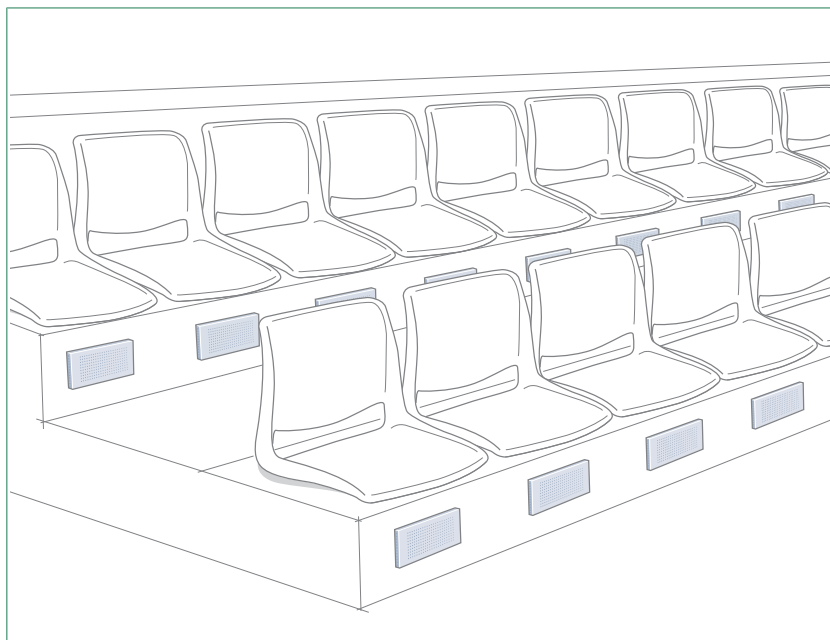


Floormaster GFB, DASH, DUSH



The Floormaster system with its displacement air management technology permits the design of installations with a low sound level, good air comfort and high ventilation efficiency.

Floormaster air terminal devices for premises with tiered seating are intended for meeting rooms, lecture theatres, cinemas and concert halls.

From the point of view of comfort, it may be difficult to supply the whole of the desired flow with only air terminal devices for premises with tiered seating, and combination with a few larger devices in appropriate places may be advantageous.

GFB is intended for mounting in floors under chairs. The device is equipped with a long sleeve with a nozzle for connection to a pressure chamber.

DASH is rectangular and is intended for mounting in the riser. The device is equipped with a connection box. The device can be connected to a duct or a pressure chamber, from below or from the rear.

DUSH is round and is intended for mounting in the riser. The device can be connected to a duct or a pressure chamber

Quick Selection

Floormaster air terminal devices for premises with tiered seating

Flow Positioning Device Connection	Recommended flow 12 l/s (43 m ³ /h and device		
	on floor tread	in riser, rectangular	in riser, round
	GFB	DASH	DUSH
	Ø 81 mm	Ø 100 mm	Ø 125 mm

Specifications

- Floormaster air terminal devices for premises with tiered seating
- Options for different positions
- Very low sound level
- Even diffusion pattern
- Short comfort boundaries

Product code example

GFB-081-023

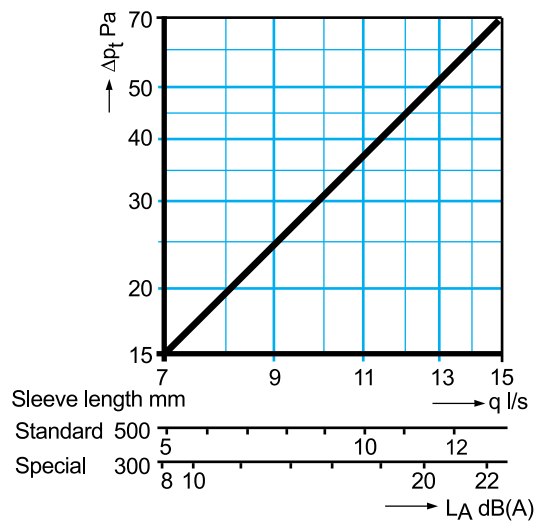
DASH-100-0

DUSH-125

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Floormaster GFB

Pressure drop, air flow, sound level



Δp_t = total pressure drop, Pa

q = air flow, l/s

L_A = sound level, dB(A), applies for room attenuation of 4 dB (room absorption area 10 m²). The sound level applies with the device connected to a pressure chamber.

Comfort zone

For a supply air flow of 11 l/s (40) and high thermal load, the air movements 360 mm from the surface of the device at the front edge of the chair are in accordance with the following table.

Height over floor, mm	Air velocity, m/s
50	0.12
150	0.07

In view of these low air velocities, no comfort boundaries are given.

Sound data

Sound power level

The sound power level in octave bands is obtained by adding the correction (with sign) in the table to the sound level obtained from the table below.

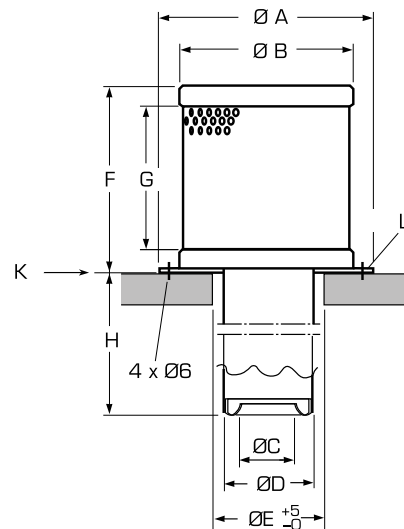
		Octave bands, middle frequency Hz							
GFB	63	125	250	500	1000	2000	4000	8000	
	+5	-6	-4	+2	-5	-10	-15	-20	
Tol ±dB	6	3	2	2	2	2	2	3	

Sound attenuation

		Octave bands, middle frequency Hz							
GFB	63	125	250	500	1000	2000	4000	8000	
	21	16	12	7	3	1	0	0	
Tol ±dB	6	3	2	2	2	2	2	3	

Dimensions and weights

Floormaster air terminal device for premises with tiered seating GFB



L = Connection flange

K = Floor level

ØA	ØB	ØC	ØD	ØE	F	G	H	Weight
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
190	145	46	81	87	150	120	150	1.5

Material and surface finish

Supply air terminal device GFB is manufactured of hot-dip galvanized steel sheet. The outer jacket is perforated with circular holes and with a large free area.

The device is powder coated for a high surface finish and good impact and scratch resistance.

Standard colour is white (RAL 9010). Other colours are available on special order.

Instructions

Detailed instructions for installation, adjustment and maintenance can be found in our technical instruction that are delivered with every product. The instructions are also available on the internet at www.flaktgroup.com.

Descriptive text

Supply air terminal device Floormaster GFB manufactured by FläktGroup with a standard/special sleeve and with/without connection flange.

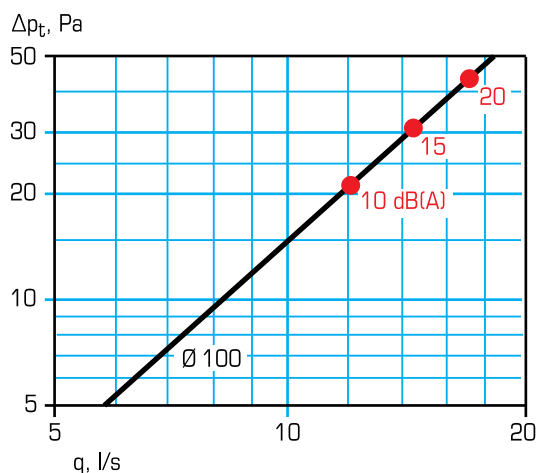
Product code

Floormaster air terminal device
for premises with tiered seating

GFB-081-023

Floormaster DASH

Pressure drop, air flow, sound level



Sound data

Sound power level

The sound power level in octave bands is obtained by adding the correction (with sign) in the table to the sound level obtained from the table below.

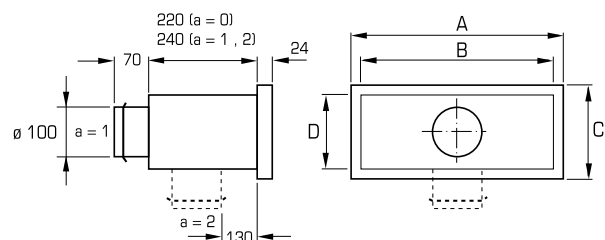
	Octave bands, middle frequency Hz							
DASH	63	125	250	500	1000	2000	4000	8000
	0	+6	+9	+4	-5	-14	-16	-15
Tol ±dB	6	3	2	2	2	2	2	3

Sound attenuation

	Octave bands, middle frequency Hz							
DASH	63	125	250	500	1000	2000	4000	8000
	24	20	14	13	15	15	16	14
Tol ±dB	6	3	2	2	2	2	2	3

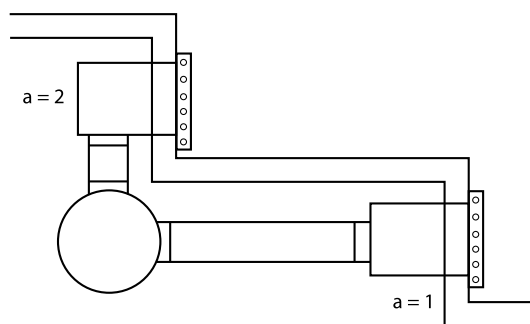
Dimensions and weights

Rectangular air terminal device for premises with tiered seating DASH



A	B	C	D	Weight
[mm]	[mm]	[mm]	[mm]	[kg]
427	397	173	147	3.3

Installation



Material and surface finish

DASH is manufactured of hot-dip galvanized steel sheet. The front grille is perforated.

The device is powder coated for a high surface finish and good impact and scratch resistance.

Standard colour is white (RAL 9010). Other colours are available on special order.

Baffle plates are made from a porous textile material.

Adjustment

The device has a well defined pressure drop, which means that the desired air flow is achieved by setting a specific pressure in the pressure chamber. This can be adapted from case to case. As a standard value, $k = 2.56$.

Instructions

Detailed instructions for installation, adjustment and maintenance can be found in our technical instruction that are delivered with every product. The instructions are also available on the internet at www.flaktgroup.com.

Descriptive text

Supply air terminal device DASH manufactured by FläktGroup for duct connection/for connection to a pressure chamber.

Product code

Floormaster air terminal device
for premises with tiered seating

DASH-100-a

Connection side (a)

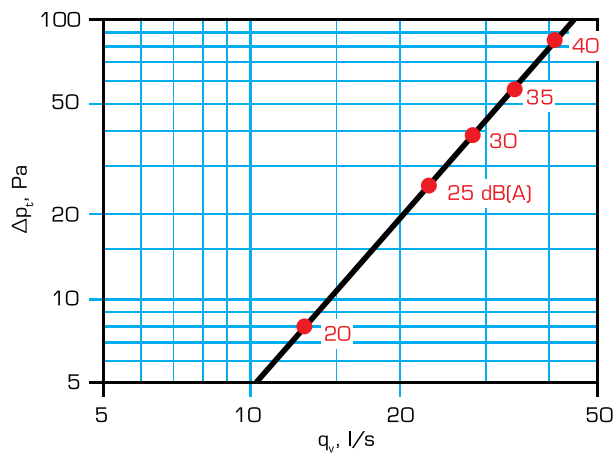
0 = pressure chamber, rear opening

1 = duct from the rear

2 = duct from below

Floormaster DUSH

Pressure drop, air flow, sound level



Sound data

Sound power level

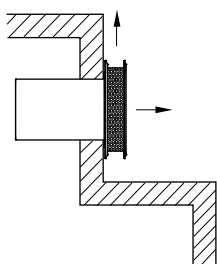
The Sound power level in octave bands is obtained by adding the correction (with sign) in the table to the sound level obtained from the table below.

		Octave bands, middle frequency Hz							
DUSH		63	125	250	500	1000	2000	4000	8000
		+6	+3	+9	+5	-5	-13	-17	-21
Tol	±dB	6	3	2	2	2	2	2	3

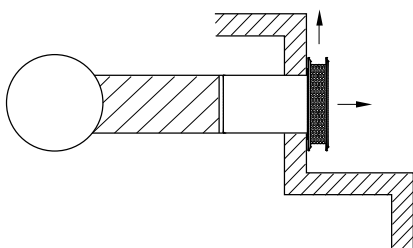
Sound attenuation

		Octave bands, middle frequency Hz							
DUSH		63	125	250	500	1000	2000	4000	8000
		18	18	14	7	3	1	4	6
Tol	±dB	6	3	2	2	2	2	2	3

Installation



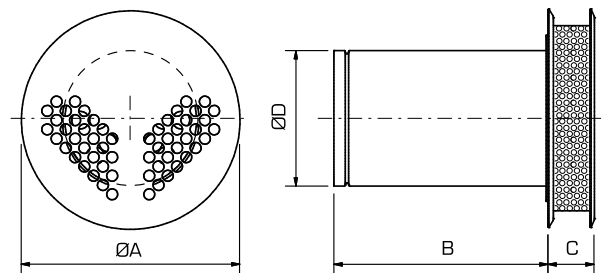
Connection to a pressure chamber



Duct connection

Dimensions and weights

Circular air terminal device for premises with tiered seating DUSH



ØA [mm]	B [mm]	C [mm]	ØD [mm]	Weight [kg]
200	195	44	124,3	1.4

Material and surface finish

DUSH is manufactured of hot-dip galvanized steel sheet. The front grille is perforated.

The device is powder coated for a high surface finish and good impact and scratch resistance.

Standard colour is white (RAL 9010). Other colours are available on special order.

Adjustment

The device has a well defined pressure drop, which means that the desired air flow is achieved by setting a specific pressure in the pressure chamber. This can be adapted from case to case. As a standard value, $k = 3.5$.

Instructions

Detailed instructions for installation, adjustment and maintenance can be found in our technical instruction that are delivered with every product. The instructions are also available on the internet at www.flaktgroup.com.

Descriptive text

Supply air terminal device DUSH manufactured by FläktGroup for duct connection/for connection to a pressure chamber.

Product code

**Circular air terminal device for
premises with tiered seating**

DUSH-125