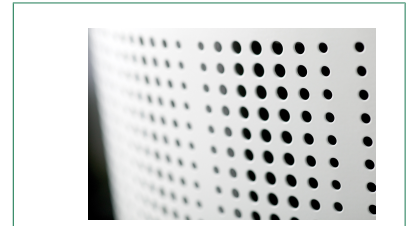
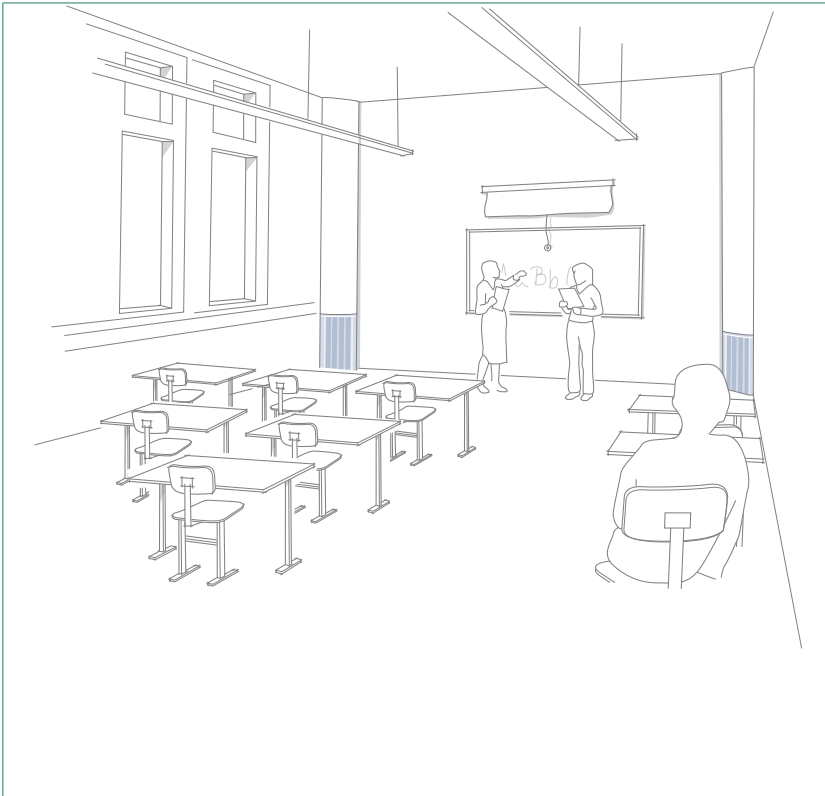


Floormaster® DVQA, quarter-cylindrical terminals



Floormaster® DVQA are quarter-cylindrical supply air terminals for positioning on the floor in a corner. The terminals are designed for displacement air handling in accordance with the Floormaster system for good air comfort and high ventilation efficiency.

Floormaster terminal devices are equipped with an air distribution system consisting of a roll-shaped perforated distribution plate with an attached honeycomb sheet in black polycarbonate. This component combination permits uniformly horizontal air distribution through the front panel with a short near zone and a very low noise level.

Quick Selection

Floormaster® DVQA, quarter-cylindrical terminal with duct connection which provides space for a sound attenuator inside the enclosure.

Size	Height	Connection	Air flow range l/s at sound level		
			25 dB(A)	30 dB(A)	35 dB(A)
100	400	100	33	40	48
125	600	125	58	75	90
160	600	160	85	100	120
200	1000	200	111	153	224
250	1000	250	210	250	305
315	1500	315	330	400	490
400	2000	400	530	640	780

Can be placed behind the duct enclosure

DVQA	Sound attenuator		Damper		
	BDER-30	BDER-34	BDEP	IRIS	
100	No	No	No	Yes	
125	Yes	No	No	Yes	
160	Yes	No	No	Yes	
200	Yes	Yes	No	Yes	
250	Yes	No	No	Yes	
315	Yes	No	No	Yes	
400	Yes	No	No	Yes	

Specifications

- 7 sizes
- Very low sound level
- Uniformly circular diffusion pattern
- Short comfort boundaries
- Internal duct connection (female)
- Outlet for flow measurement
- Terminal base as accessory
- Easy maintenance - no spare parts
- Dismountable front plate
- No visual screws

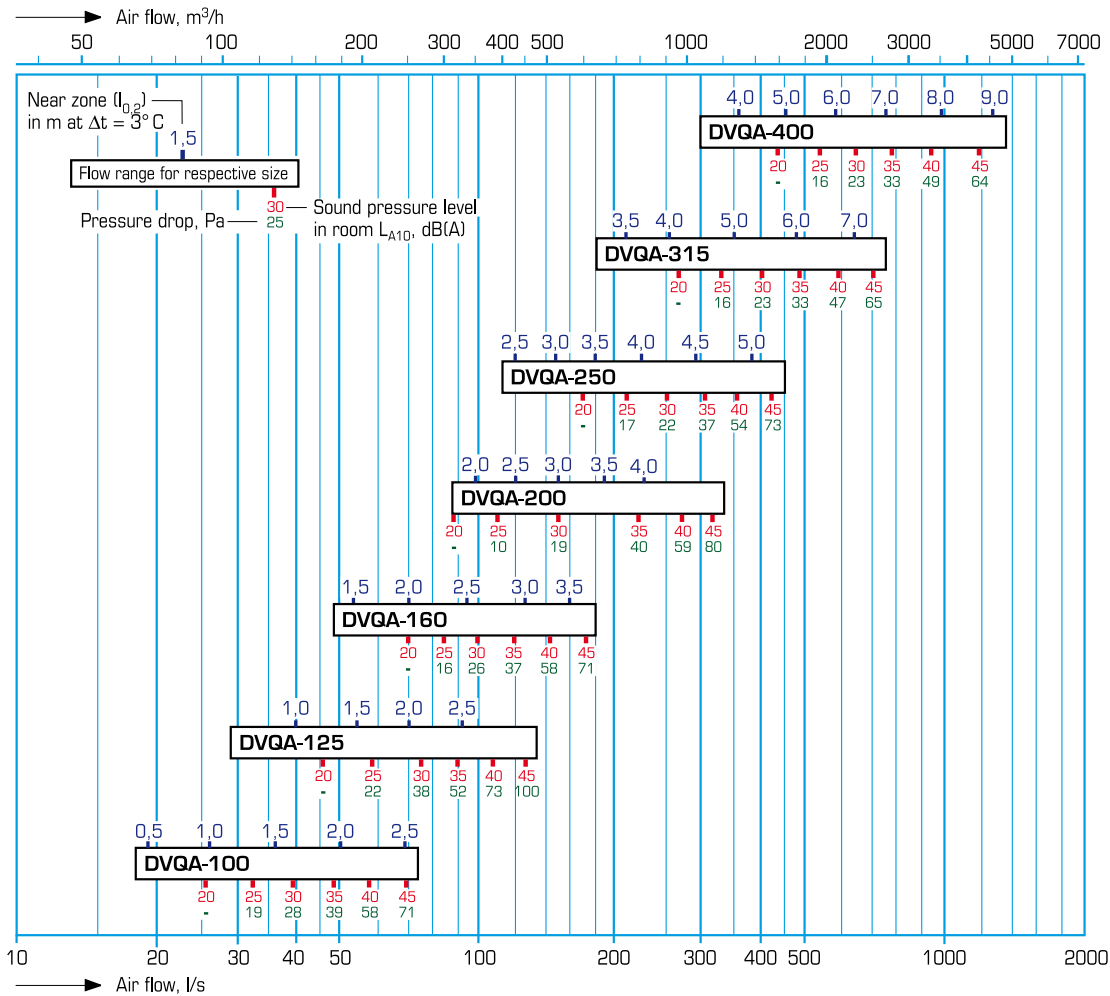
Product code example

Floormaster DVQA-160-0-0-0-0
 (Size 160, height 600 mm , internal connection 160 mm , top connection, without mounted terminal base and standard white colour)

AIRTREND Ltd
 Predstavništvo u Beogradu
 Kumanovska 14, 11000 Beograd
 Tel: 011/3836886, 3085740
 Faks: 011/3444113
 e-mail: gobrid@eunet.rs
 web: www.airtrend.rs

Capacity, Sound data

Capacity data - Airflow, comfort boundaries, sound level



Sound power level in Octave bands

The sound power level in octave bands is obtained by adding the correction (with sign) in the table to the acoustic value in the graphs. The indicated sound levels are applicable for 4 dB room attenuation (10 m² room absorption area).

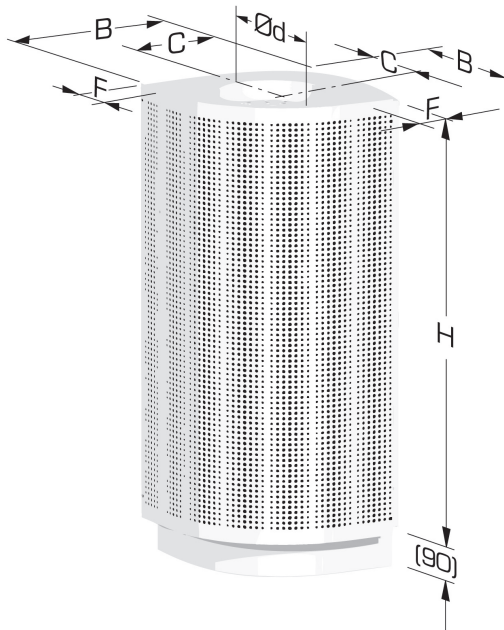
DVQA	Octave bands, centre frequency Hz							
	63	125	250	500	1000	2000	4000	8000
DVQA	-3	5	6	2	-1	-7	-13	-13
Tolerance +/-dB	2	2	1	0	1	1	2	4

Sound attenuation

The table shows the difference between the sound power level in the duct and the sound power level in the room, in dB. Orifice attenuation is included in the calculation. Sound levels in the capacity graphs apply for an unchanged connection diameter.

DVQA size	Octave bands, center frequency Hz							
	63	125	250	500	1000	2000	4000	8000
100	21	12	10	6	2	2	3	5
125	20	11	9	5	2	2	3	5
160	18	10	7	4	2	2	3	5
200	17	9	5	4	1	1	3	5
250	15	7	4	4	1	1	3	5
315	14	5	3	4	1	1	3	5
400	12	4	3	4	1	1	3	5

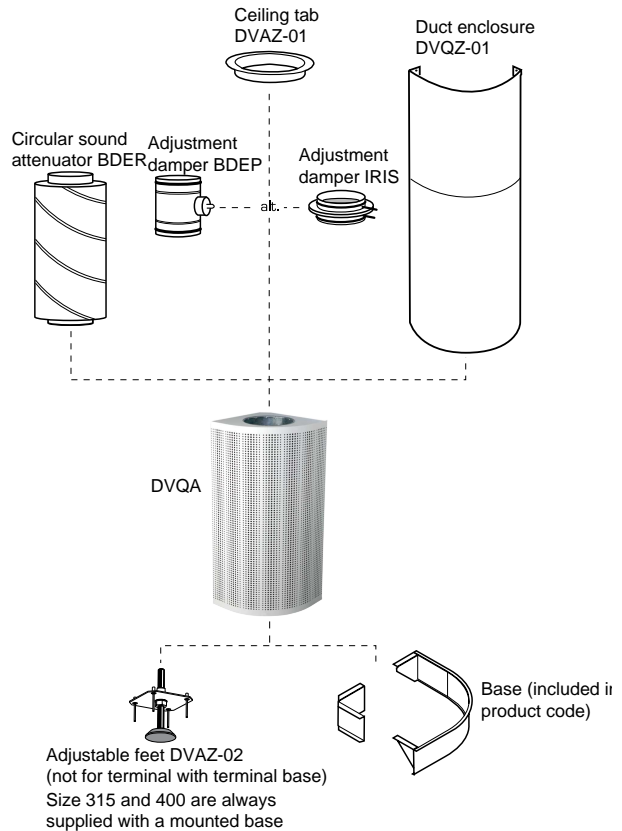
Dimensions and weights



Size	Ød [mm]	H [mm]	B [mm]	C [mm]	F [mm]	Weight [kg]
100	100	400	205	90	40	3.3
125	125	600	334	151	88	7.9
160	160	600	334	151	71	7.9
200	200	1000	442	210	110	17.1
250	250	1000	442	210	85	17.1
315	315	1500	505	227	69	27.6
400	400	2000	624	275	75	44.8

Product summary and description

Product summary



Material and surface finish

Floormaster terminal devices are equipped with an air distribution system consisting of a roll-shaped perforated distribution plate with an attached honeycomb sheet in black polycarbonate. This component combination permits uniformly horizontal air diffusion through the front panel with a short throw and a very low noise level.

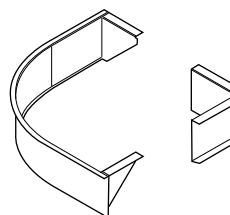
The air distribution system is surrounded by a casing and is accessible by removing the front panel of the device.

The Floormaster terminals are made from hot-dip galvanized steel sheet, SS1151.

The Floormaster terminals are easy to maintain and no replacement parts are necessary.

The terminals are powder-coated for a high surface finish and good impact and scratch resistance. Standard colour White RAL-9010, gloss 30, equivalent to NCS S 0502Y. Other colours on request.

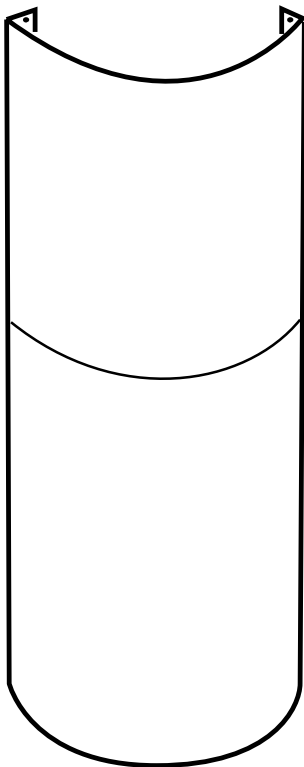
Terminal base



Quarter-cylindrical Floormasterterminals of size 100, 125, 160, 200 and 250 are supplied with small plastic feet. Terminal base is available as a choice in the main product code for these sizes.

Quarter-cylindrical Floormasterterminals of size 315 and 400 are always supplied with a mounted base. The base is adapted to the shape of the terminal and has a height of 90 mm. It is made from hot-dip galvanized steel sheet SS 1151 and powder-coated in the same colour as the terminal. Note: Terminals who has been ordered and delivered with a terminal base can't be equipped with adjustable feet.

Duct enclosure



Terminal-shaped duct enclosure with telescopic function with three lengths: 1 = 900 - 1300 mm, 2 = 1300 - 1800 mm and 3 = 1800 - 2400 mm. Powder-coated in the same colour as the terminal. Note! When combining duct enclosure with sound attenuator see remarks below each product code.

Descriptive text, product code

Instructions

Directions for installation, adjustment and care are set out in detail in our technical instruction which accompanies each product. The instruction is also accessible on www.flaktgroup.com.

Technical data and dimensioning

For complete dimensioning details, please see FläktGroup product selection program. Contact our nearest sales office for further information.

Descriptive text

Floormaster terminal manufactured by FläktGroup. DVQA size 160 height 600 mm, internal connection, with terminal base, sound attenuator and duct enclosure. Standard colour.

Special constructions

Describe the deviations from the standard model clearly and replace the product code letter standing for the construction part in question with an X.

Product code

Floormaster terminal **DVQA-aaa-b-c-d-e**

Size (aaa)

100, 125, 160, 200, 250, 315, 400

Connection alternatives (b)

0 = Top connection

1 = Bottom connection

Function (c)

0 = Without induction

Terminal base (d)

0 = Without

1 = With (mounted)

(Size 315 and 400 are always supplied with a mounted base)

Colour (e)

0 = Standard colour

Accessories

Duct enclosure **DVQZ-01-bbb-c-d**
with telescopic function

Size (bbb)

100 ¹⁾, 125, 160, 200, 250, 315, 400

Length (c)

1 = 900 - 1300 mm (not size 100, 125 and 160)

2 = 1300 - 1800 mm (not size 100, 125 and 160)

3 = 1800 - 2400 mm

Colour (d)

0 = Standard colour

¹⁾ Duct enclosure size 100 can not be combined with a sound attenuator.

Reducer BDED

Use FläktGroup – Veloduct BDED for duct reduction.

Ceiling tab **DVAZ-01-bbb**

Connection diameter (mm) (bbb)

100, 125, 160, 200, 250, 315, 400

Adjustable feet **DVAZ-02**

Set with 3 pieces

Circular adjusting dampers **BDEP-1-bbb**

Connection diameter (cm) (bbb)

010, 012, 016, 020, 025, 031, 040

Possible combinations of lengths and connection dimensions, including dimensions, are given in separate product documentation for BDEP-1, see catalogue part 3.

IRIS damper - Regulation and measuring devices **IRIS-aaa**

Connection diameter (mm) (bbb)

100, 125, 160, 200, 250, 315, 400

Technical data, connection dimensions, including dimensions, are given in separate product documentation for IRIS.

Circular sound attenuator **BDER-aa-bbb-ccc**

Type (aa)

30, 32, 34

Size (connection in cm) (bbb)

012, 016, 020, 025, 031, 040 (max 100mm thick filling)

Length (cm) (ccc)

030, 050, 060, 090, 100, 120

Possible combinations of lengths and connection dimensions, including dimensions, are given in separate product documentation for BDER.

Note! Prior to ordering, make sure that the sound attenuator can be fitted behind the duct enclosure (if ordered). See dimensions for the terminal and outer dimensions for the sound attenuator.