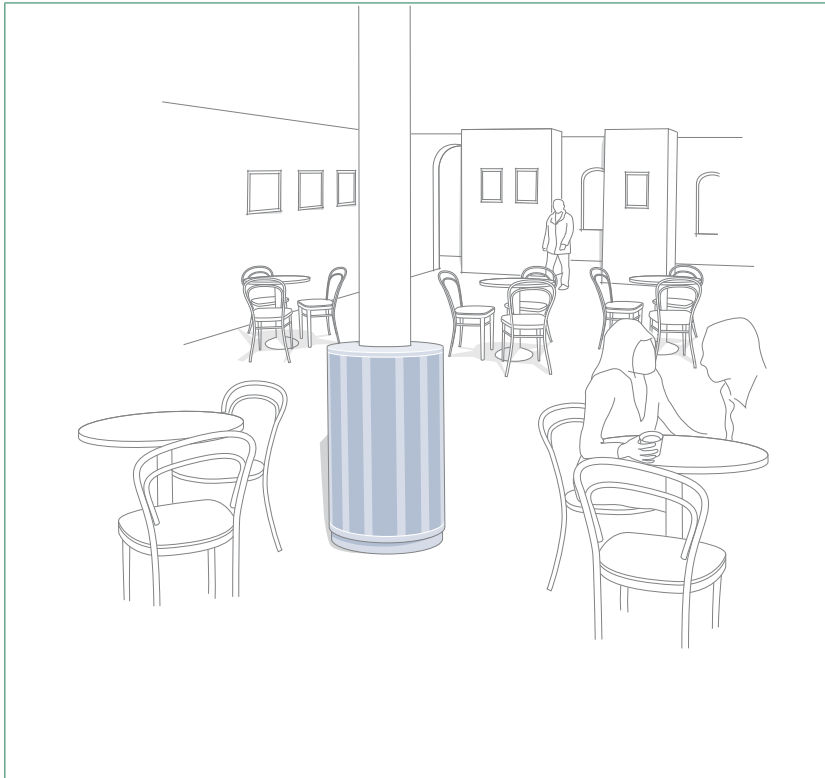


Floormaster® DVRA, Round terminals



Floormaster® DVRA are round supply air terminals for positioning on the floor with a connection to a circular duct. The terminal is 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® DVRA, round terminal with duct connection which provides space for a sound attenuator inside the enclosure.

Size	Height	Connection	Air flow range l/s (m ³ /h) at sound level		
			25 dB(A)	30 dB(A)	35 dB(A)
125	600	125	55	73 (263)	85
160	600	160	87	100 (360)	120
250	1000	250	222	286 (1030)	332
315	1000	315	350	410 (1476)	495
400	1500	400	500	570 (2412)	795
630	2000	630	1400	1630 (5868)	1980

Can be placed behind the duct enclosure

DVRA	Sound attenuator		Damper		
	BDER-30	BDER-34	BDEP	IRIS	
125	Yes	No	Yes	Yes	
160	Yes	No	Yes	Yes	
250	Yes	Yes	Yes	Yes	
315	Yes	Yes	Yes	Yes	
400	Yes	No	Yes	Yes	
630	Yes	Yes	Yes	Yes	

Specifications

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

Product code example

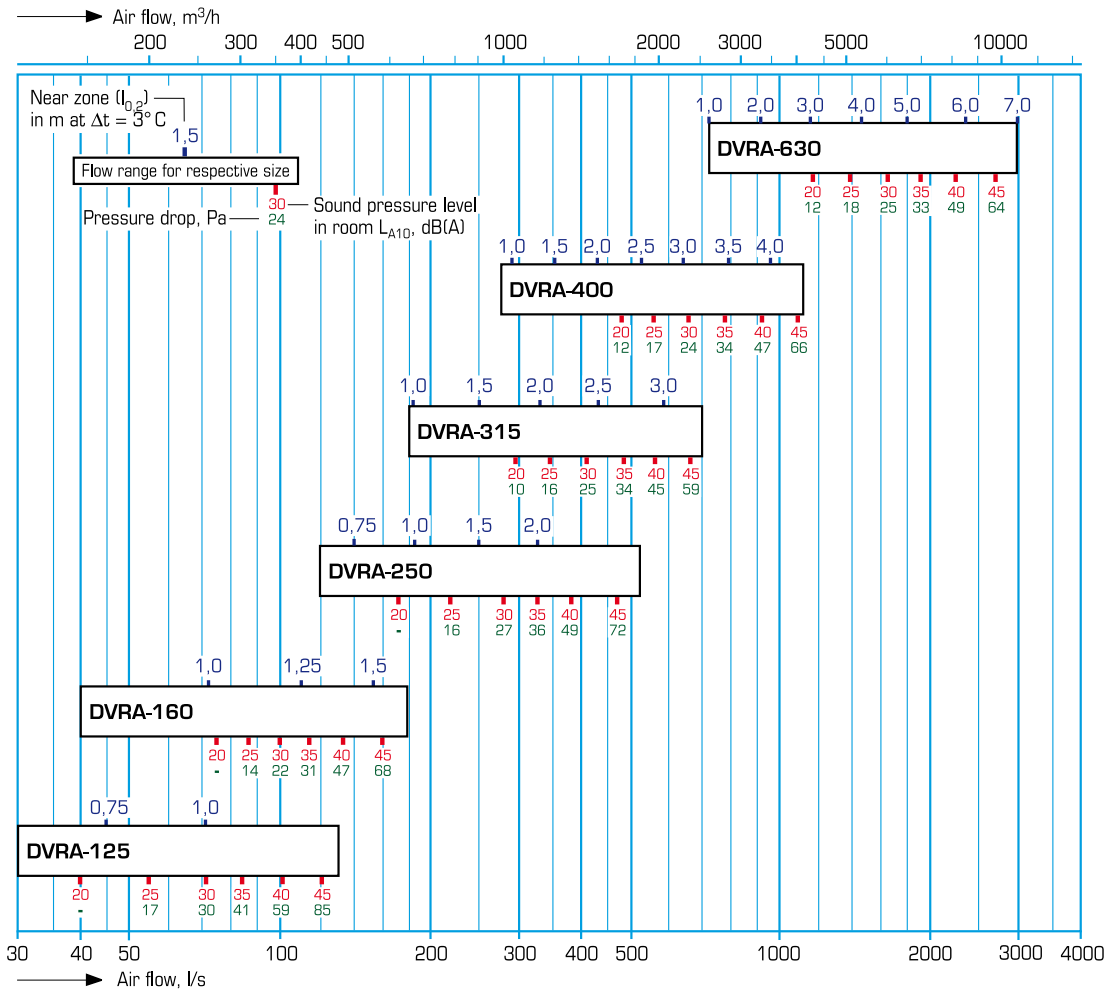
Floormaster DVRA-400-1-0-1-0

(Size 400, height 1500 mm , internal connection 400 mm, with mounted terminal base and standard colour)

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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 read in the graphs. The indicated sound levels are applicable for 4 dB room attenuation (10 m² room absorption area).

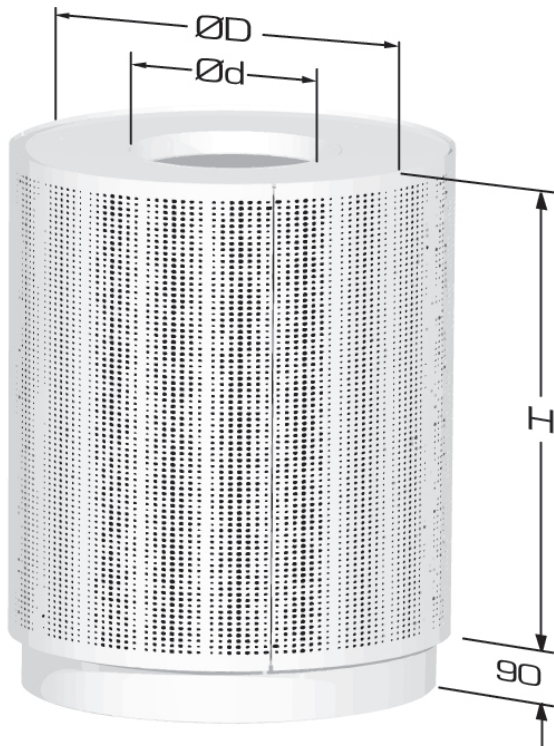
	Octave bands, centre frequency Hz							
	63	125	250	500	1000	2000	4000	8000
DVRA	4	2	1	1	1	3	1	3
Tolerance +/-dB	1	2	1	0	1	2	3	5

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.

DVRA size	Octave bands, center frequency Hz							
	63	125	250	500	1000	2000	4000	8000
125	18	11	6	4	3	2	3	5
160	16	9	4	3	2	2	3	5
250	15	8	3	3	1	1	3	5
315	14	6	2	3	1	1	3	5
400	12	5	2	3	1	1	3	5
630	9	2	1	3	1	1	1	4

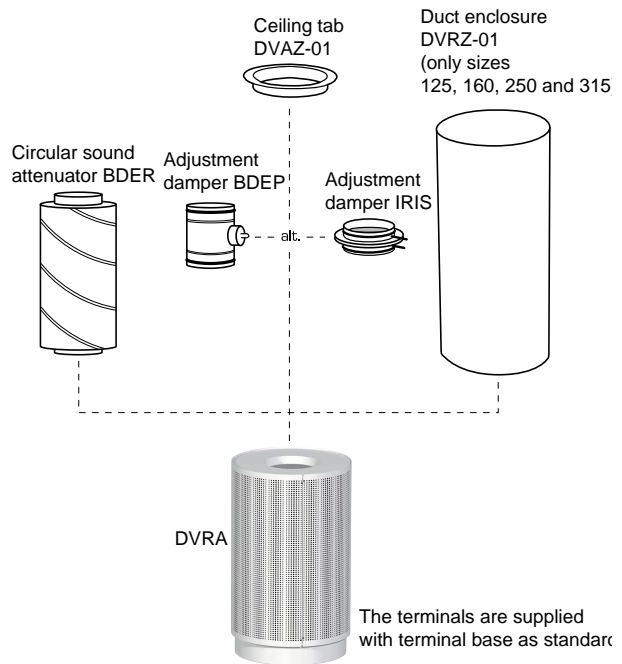
Dimensions and weights



Size	Ød [mm]	H [mm]	ØD [mm]	Weight [kg]
125	125	600	322	6.6
160	160	600	322	6.6
250	250	1000	679	23.6
315	315	1000	679	23.6
400	400	1500	583	39.0
630	630	2000	972	91.6

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.

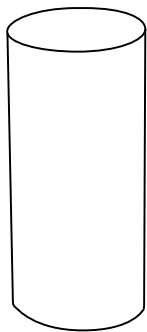
Instructions

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 FlaktGroup product selection program. Contact our nearest sales office for further information.

Duct enclosure



Terminal-shaped duct enclosure with two fixed lengths, 1 = 1800 mm and 2 = 2400 mm. Powder-coated in the same colour as the terminal.

Sizes 125 and 160 can only be ordered with length 2 = 2400 mm.

Note! When combining duct enclosure with sound attenuator see remarks below each product code.

Descriptive text, product code

Descriptive text

Floormaster terminal manufactured by FläktGroup. DVRA size 315 height 1000 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 **DVRA-aaa-b-c-d-e**

Size (aaa)

125, 160, 250, 315, 400, 630

Connection alternatives (b)

0 = Top connection
1 = Bottom connection

Function (c)

0 = Without induction

Terminal base (d)

1 = always supplied with a mounted base

Colour (e)

0 = Standard colour

Accessories

Duct enclosure **DVRZ-01-bbb-c-d**

Size (bbb)

125, 160, 250, 315

Length (c)

1 = 1800 mm (for all sizes)
2 = 2400 mm (only for bbb=250,315)

Colour (d)

0 = Standard colour

Reducer BDED

Use FläktGroup – Veloduct BDED for duct reduction.

Ceiling tab **DVAZ-01-bbb**

Connection diameter (mm) (bbb)

125, 160, 250, 315, 400, 630

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

Connection diameter (cm) (bbb)

012, 016, 025, 031, 040, 063

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

Connection diameter (mm) (bbb)

125, 160, 250, 315, 400, 630

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, 025, 031, 040, 063 (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.