GERHMAN

Disc Valve

PAN

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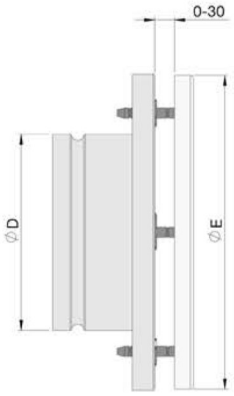
Disc valves are used as an alternative to ceiling diffuser. They are most commonly used for the purpose of ventilation. The air flow through the disk valve can be adjusted by rotating the disc clockwise or anticlockwise. The rotation changes the free area between the disc and the frame.

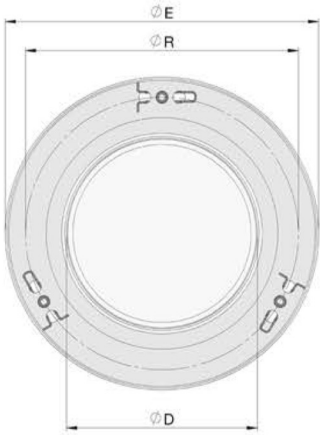
Disc valves are preferred by many architects and building owners for toilets, bathrooms and ventilation in damp areas due to its simplistic yet aesthetic appearance.

Description:

- **Frame and disc is made of high quality galvanized steel sheet construction with powder coated to RAL colors.**
- **Disc is attached to the frame by threaded rod.**
- **Air flow can be adjusted by regulating the cone up or down (+A or -A)**
- **Foam gasket is sealed around the back of the frame as option to avoid air leakage.**
- **These valves can be used for supply, exhaust and ventilation applications.**
- **Can be mounted in wall, ceiling or exposed air ducts with mounting rings.**
- **Recommended for exhaust of greasy and damp air in damp areas such as toilets, bathrooms and kitchens.**

Dimensions





ØD (mm)	Flow Rate (m³/h)	Typical Application
100 mm	30 – 120	Small bathrooms, toilets
125 mm	70 – 170	Medium bathrooms, WCs
160 mm	100 – 260	Kitchens, technical rooms
200 mm	140 – 360	Offices, corridors, common areas
250 mm	180 – 540	Large offices, lobbies
315 mm	300 – 780	Industrial spaces, wide areas

Size (mm)	ØD (mm)	ØE (mm)	R (mm)
100	99	200	80
125	124	250	105
160	159	250	105
200	199	314	127
250	249	400	170
315	314	400	170

Notes
- **ØD**: Neck diameter (connection size)
- **ØE**: Face diameter (front plate)
- **R**: Total depth / installation length

Technical data

Sound power level and differential pressures.

Performance data for 30 mm Gap

Size (mm)	Volume (m³/h)	Throw (m)	Pressure Drop (Pa)	Sound Level (dB(A))
100	30 → 120	0.6 → 2.1	5 → 10	<20
125	70 → 170	1.0 → 2.5	5 → 8	<20
160	100 → 260	1.3 → 3.5	3 → 10	<20
200	140 → 360	1.8 → 4.0	5 → 30	<20 → 28
250	180 → 540	2.0 → 5.5	5 → 44	<20 → 36
315	300 → 780	3.0 → 7.2	5 → 68	<20 → 36

Selection Note
•Choose the size according to the **required airflow (m³/h)**.

•For example:
•150 m³/h → suitable sizes: **Ø125** or **Ø160**
•300 m³/h → suitable sizes: **Ø200** or **Ø250**

•Larger diameters provide **lower pressure loss** and **quieter operation**.

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