

Air Flow Control

**NRDR Backdraft Damper for
Round Ducts**



At Gerhman we are driven by a strong desire to continuously generate improvements. We do that by developing products and systems that are easy to use and energy efficient, together with industry-leading knowledge, support, logistics and efficient availability.



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Air Flow Control

NRDR

Backdraft Dampers for Round Ducts



Backdraft dampers also named non return dampers type 'NRDR', are designed for use intake and discharge opening in commercial and residential round ducting air conditioning systems. When the ventilation system is on, the blades of the non-return damper are held in the open position by the airflow. If the system is switched off, the damper blades close automatically, thus preventing reverse airflow and giving protection against the ingress of untempered air, rain and birds into the air conditioning system.

Features

- For automatic shutoff of the air ducts and prevention of back drafting when the fan is off. Suitable for installation in various premises.
- Compatible with \varnothing 100 up to 315 mm round air ducts.

Design

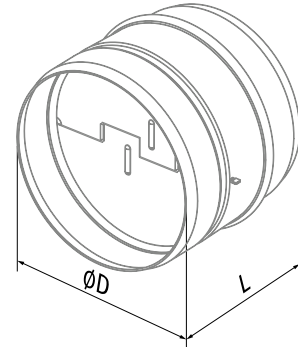
- Galvanized steel case.
- Two spring loaded blades made of aluminium.
- Blades are opened by air pressure and are closed with a spring.

Mounting

- Fixing to round ducts with clamps.
- Provide vertical position of blade axis.
- Install the backdraft damper into the ventilation system with respect to the air flow direction.

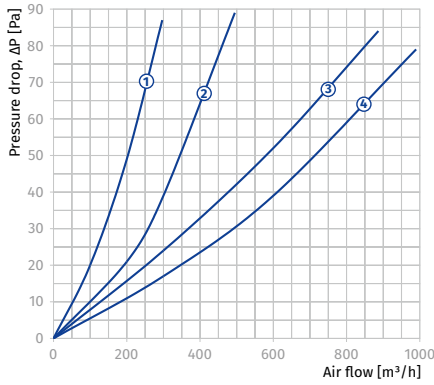
Dimensions and Performance Data

NRDR

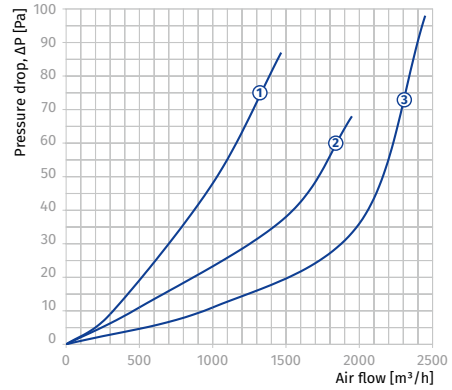


Design

Model	D	L	Kg
100	99	80	0,18
125	124	100	0,27
150	149	115	0,38
160	159	120	0,42
200	199	145	0,63
250	249	165	0,9
315	314	190	1,31



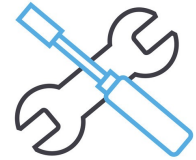
No	Model
1	100
2	125
3	150
4	160



No	Model
1	200
2	250
3	315

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Installation, Maintenance & Operation

The fixing bolts, nuts, clips and gaskets shall be delivered by the installation company. The damper cannot be installed carrying any mechanical loads from other structures. NRDR61 is mounted into the ductwork by a standard flange.

Transport & Storage

Dry indoor conditions with a temperature range of -20°C to +50°C.

Supplement

We reserve the right to make any changes to the product without prior notice, provided that these changes do not affect the quality of the product and the required parameters.



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