Occasional exhaust fan

11055092
IRIS DAMPER D160

The Iris damper finely balances a circular ducting system, while ensuring a very low leak rate (class C airtight performance).

PRODUCT BENEFITS

- precise airflow control.
- class C airtight performance as per EN 1751

Principles of operation

The Iris diaphragm is opened and closed using a handle which operates a hexagonal nut.

Product description

The Iris damper features a diaphragm for precise adjustment of airflow in a circular ducting system. This adjustment is made using a handle which operates a hexagonal nut. Lip seals at each end enable a ducting connection with a low leak rate.

Fields of application

Multi-occupancy residential housing, New, Refurbishment, Non-residential buildings

Installation

- in circular ducts,
- the IRIS damper must be installed in accordance with the required distances to reduce deviation of airflow to a minimum,
- the required distances to observe are:

- before bends: 1xD,
- after bends: 1xD,
- before T-pieces: 2xD,
- after T-pieces: 2xD,
- before diffusers: the 2xD.

Reference arguments

- Iris damper enabling precise adjustment of diaphragm using hexagonal nut.
- Lip seals on connection sleeves.
- Adjustment tolerance on airflow of 7 %.

Main characteristics

- airflow setting tolerance +/-10%,
- airflow / pressure measurement tap integrated (Ø 6 mm),
- class C product airtight performance as per EN 1751,
- temperature range: -20°C / +80°C.

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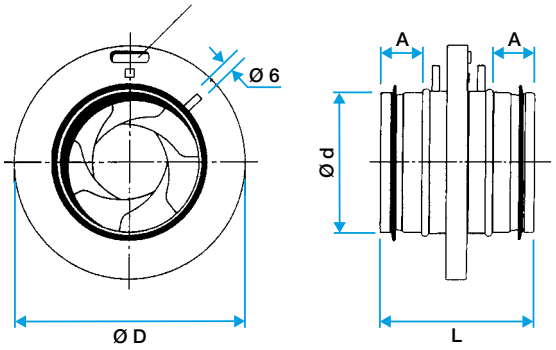
Dimensional data

Variants	A (mm)	H (mm)	L (mm)	Ø (mm)	Weight (kg)
11055092	30	32	115	160	0,9



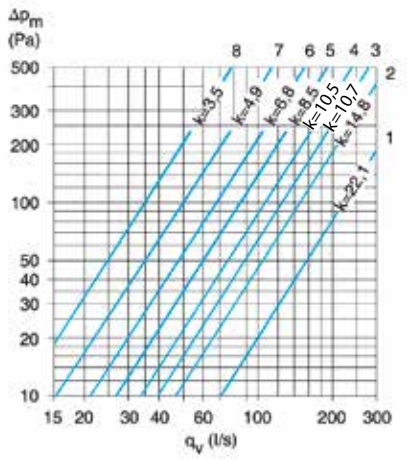
Airflow data

Variants	Pressure range (Pa)
11055092	10-500

Regulatory data

Variants	Airtightness class
11055092	C

Curve



> fast airflow or load readout.
> precise readout: use formula Qv = k √ΔPm.