

# IRIS

## CIRCULAR LENTICULAR DAMPER



### Description:

A circular lenticular damper used for airflow control with connector pipes for pressure loss measurement. Adjusted manually.

### Intended Use

IRIS lenticular dampers are intended for installation in circular air supply or exhaust ventilation systems. They are used for the airflow rate control by means of a smooth change in the orifice internal diameter.

**Operating temperature (-20 to +80 °C).**

### Design

Lenticular dampers are made of galvanised steel. A lever with locking screws is used for adjusting the internal diameter.

Damper connections are dimensionally suited to the internal dimensions of ducts and rubber gaskets ensure the tightness. It is recommended that the duct segments are kept straight:

- 4 x d – before the damper
- 1 x d – after the damper

### Dimensions

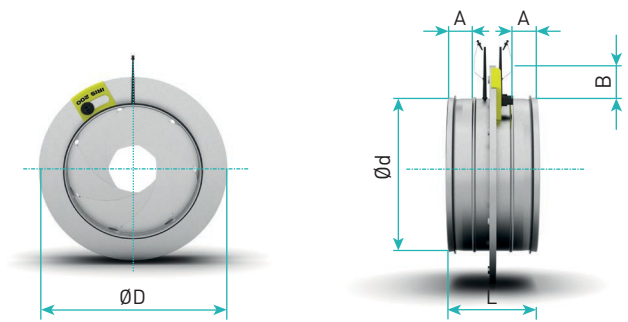


Figure 1. IRIS damper dimensions.

Table 1. Standard dimensions of IRIS dampers.

DN [mm]	Ød [mm]	ØD [mm]	L [mm]	A [mm]	B [mm]	Weight [kg]
100	99	165	110	30	32	0.6
125	124	210	110	30	42	0.9
160	159	230	110	30	35	1.1
200	199	285	110	30	42	1.6
250	249	335	135	40	42	2.1
315	314	410	135	40	47	3.5
400	398	525	190	60	62	6.4
500	498	655	170	50	77	9.6
630	628	815	170	50	92	15.6
800	798	1015	270	100	107	25

### Technical Data

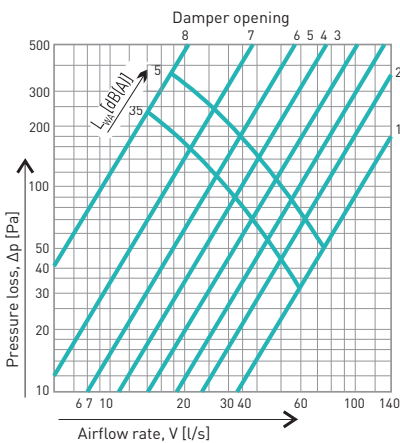


Chart 1. IRIS 100 characteristics.

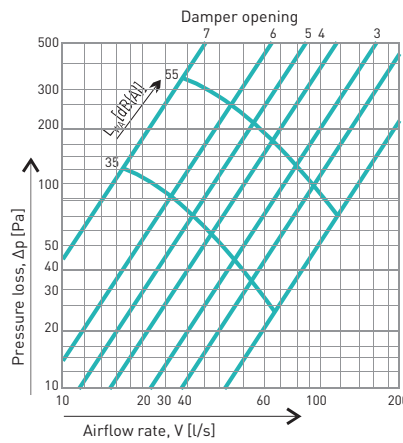


Chart 2. IRIS 125 characteristics.

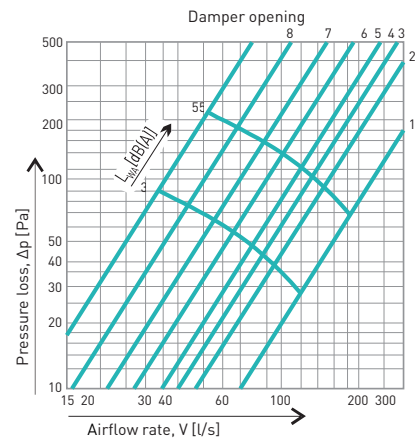


Chart 3. IRIS 160 characteristics.

# AIRFLOW CONTROL AND DISTRIBUTION

50

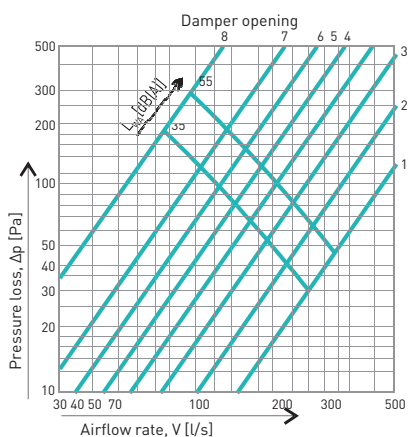


Chart 4. IRIS 200 characteristics.

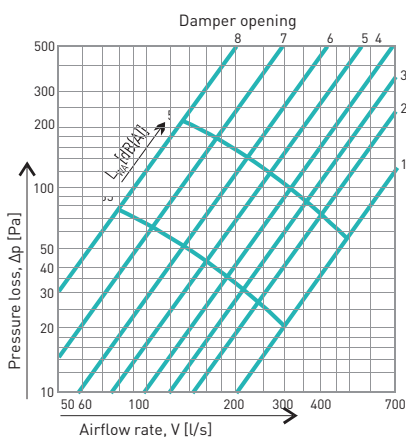


Chart 5. IRIS 250 characteristics.

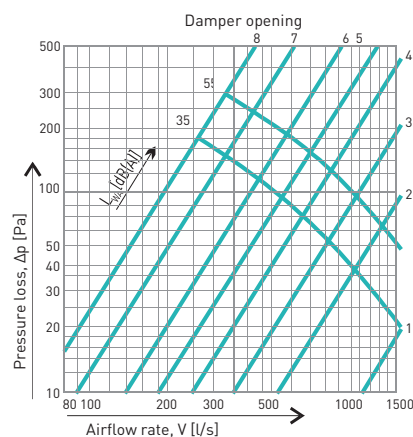


Chart 6. IRIS 315 characteristics.

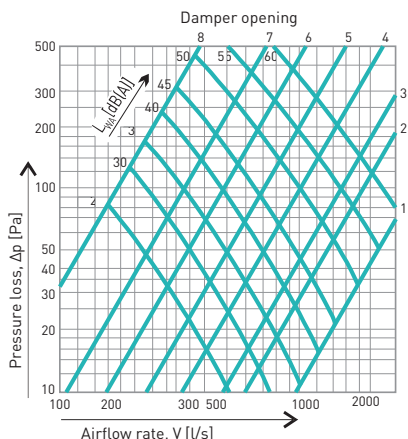


Chart 7. IRIS 400 characteristics.

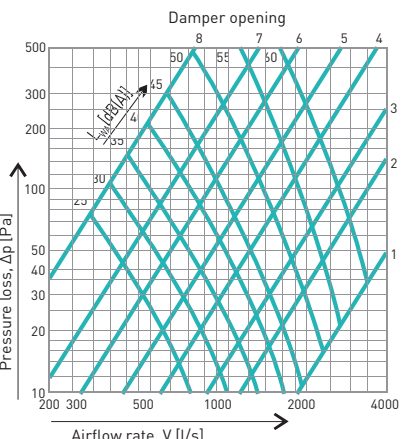


Chart 8. IRIS 500 characteristics.

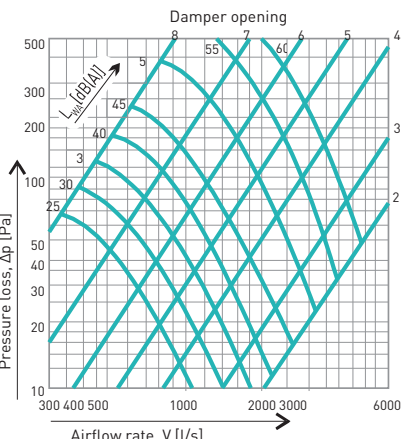


Chart 9. IRIS 630 characteristics.

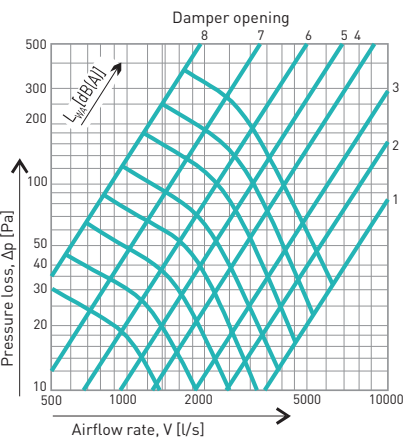


Chart 10. IRIS 800 characteristics.

## IRIS – Circular lenticular damper

When ordering, please provide information as follows:

**IRIS - <D>**

Where:

**D** Damper diameter [mm]

Sample order: **IRIS-315**