



IRIS DAMPER

Application

It's an ideal air flow regulator and measuring device for circular ducts, the diaphragm valve ensures a perfect accordance between the diameter indication on the handle and the opening of the valve, in the fully open position the iris damper provides 100% free area with on control mechanism in the airstream allowing easy and effective cleaning of the duct work system.

Temperatures

It's suitable for continuous use from -10°C up to $+80^{\circ}\text{C}$

(if there is moisture in the air the damper may freeze but will not be damaged in this condition unless operated whilst frozen.)

Mounting

The idea results it's should be installed in the straight runs of ductwork, the damper may be fixed to the ducting with rivets or self-tapping screws. We recommend joints are sealed with Tectape TX or Teceseal sealant to ensure an airtight connection, flexible ducting may be fixed to the damper using Tecfix banding or clips.

Material

Body and valve are made of galvanized steel DX53D + Z80 or DX53D + Z275

Seal ring is made of EPDM

Size Ranges

Diameter from 80 to 800.

Composition

Body and valve made of galvanized sheet steel

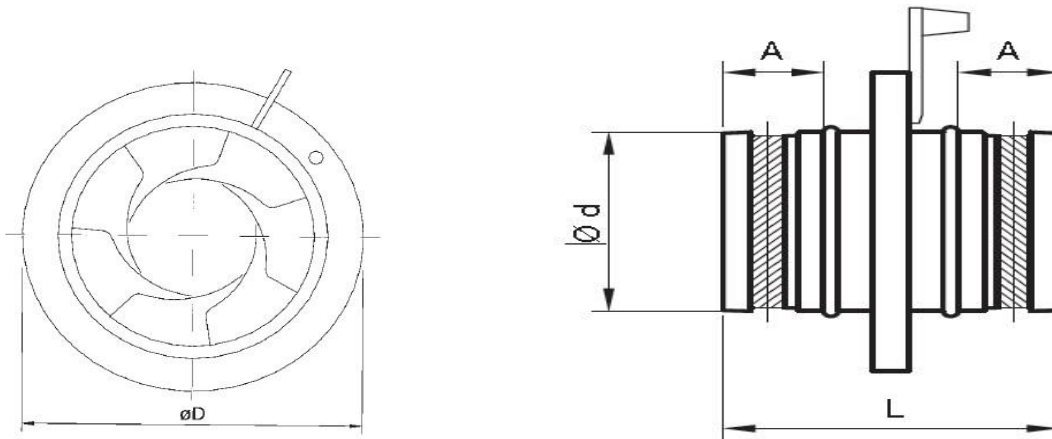
Plastic regulator nut with plastic key

Measuring point on either side of the valve for connection of manometer.

Sticker with selection graph, mentioning the air volume at the different opening positions of the valve and the according pressure level.

Flexible joints for air tightness when placed inside the duct.

Dimensional Data



Size	Φd (mm)	ΦD (mm)	L (mm)	A(mm)	Material THK(mm)	Weight
80	79	125	115	33	0.60	0.40
100	99	165	115	27	0.60	0.60
125	124	188	115	27	0.60	0.70
150	149	230	115	27	0.60	1.00
160	159	230	115	27	0.60	1.00
200	199	285	120	27	0.60	1.50
250	249	335	135	33	0.60	1.90
300	299	405	140	33	0.60	2.50
315	314	405	140	33	0.60	2.50
400	398	525	150	46	1.00	6.10
500	498	655	150	46	1.00	8.80
630	628	815	155	46	1.00	15.80
800	798	1015	285	110	1.00	24.80