



Dampers

IRIS



Intended use

IRIS dampers are intended to installation in circular, intake or exhaust ventilation systems, to control the volume flow rate by smooth adjustment of the inner diameter of the orifice. Operating temperature [-20 to +80 °C].

Material

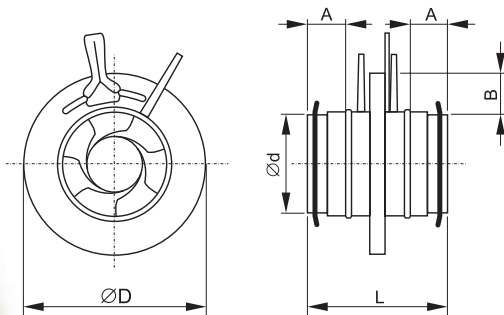
IRIS dampers are made of galvanized steel. The lever with locking screws is used to adjust the internal diameter of the damper.

Finish

Dimensions of the connection fittings of the damper are fitted to the internal dimensions of the ducts. The air tightness of the damper is provided by rubber seals. It is recommended to keep the straight sections of the ductwork:

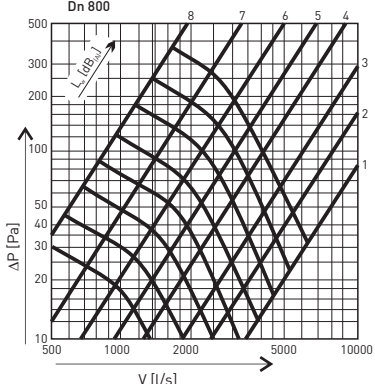
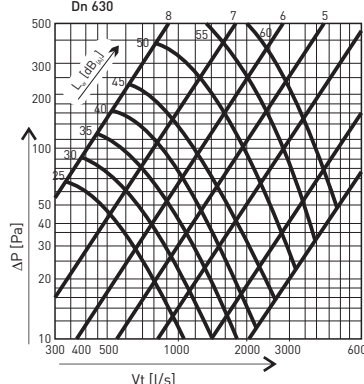
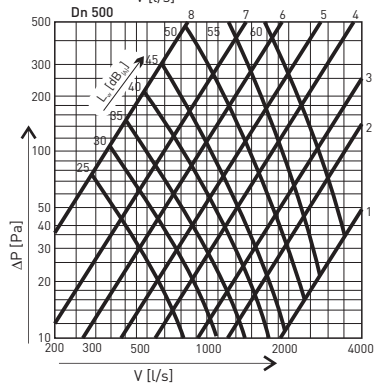
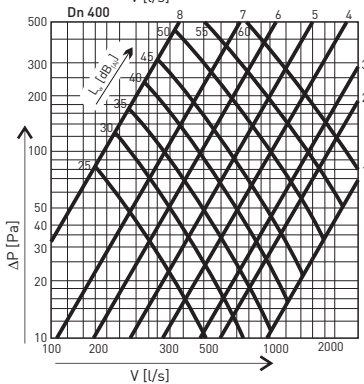
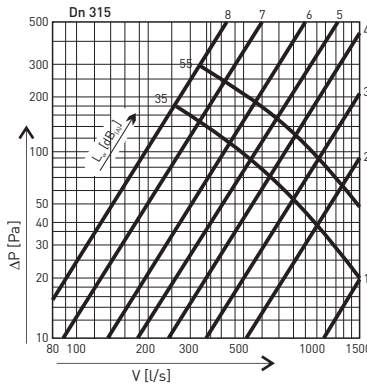
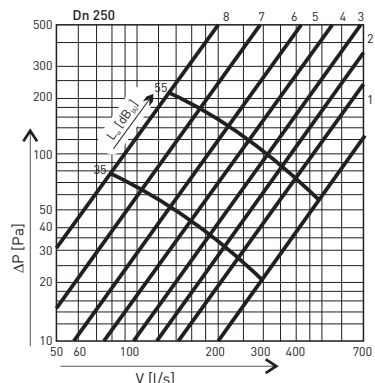
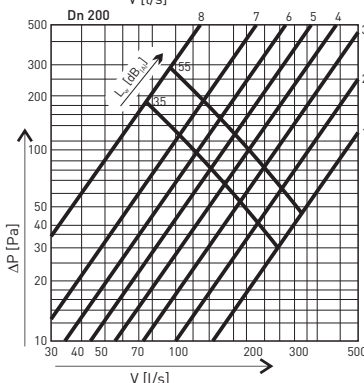
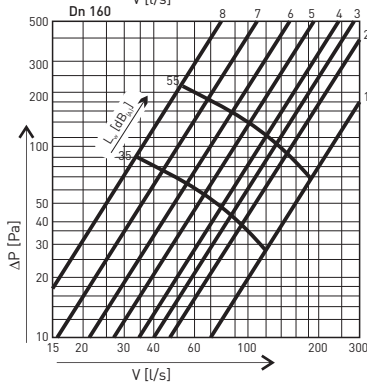
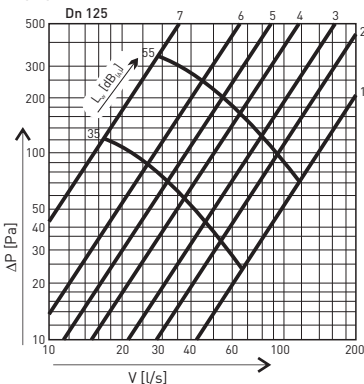
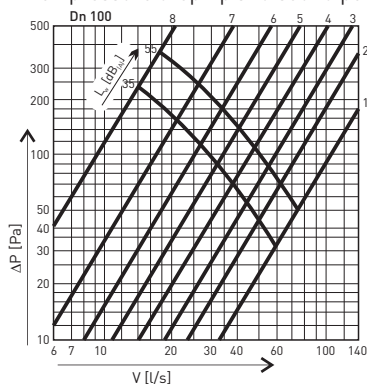
4 x d – in front of the damper

1 x d – behind the damper



Nomograph I

The effect of velocity V and degree of opening of the IRIS damper on pressure drop Δp and sound power level



Type	$\varnothing d$	$\varnothing D$	L	A	B	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	25,0

Oznaczenia:

- V [l/s] volumetric air flow
- Δp [Pa] total pressure drop
- L_{WA} [dB(A)] sound power level for $A = 0,1 [m^2]$

Order code

IRIS-315

IRIS

D

D

Damper diameter [mm]