Round non-return damper - airtightness class D

DAOSL



Description

The DAOSL dampers are designed for ventilation ductwork systems which require air tightness class D according to EN 12237 requirements. These dampers feature a split flap closure and are designed as non-return dampers which allows a single air flow direction only. The damper closure has approximately air tightness class 2 as per EN 1751:2002, without full class compliance. Both closure flaps are made of light-weight aluminium sheet and hinged on a steel bar with springs which keep the flaps closed when there is no air flow. This damper is often installed upstream of an air intake or an air exhaust unit to prevent the air backflow.

Available materials - Product code examples

DAOSL-...	- casing galvanized steel sheet
DAOSL-K-...	- casing 1.4301/304 stainless steel sheet
DAOSL-K-...-316L	- casing stainless steel sheet 1.4404 / 316L
DAOSL-A-...	- casing aluminium sheet

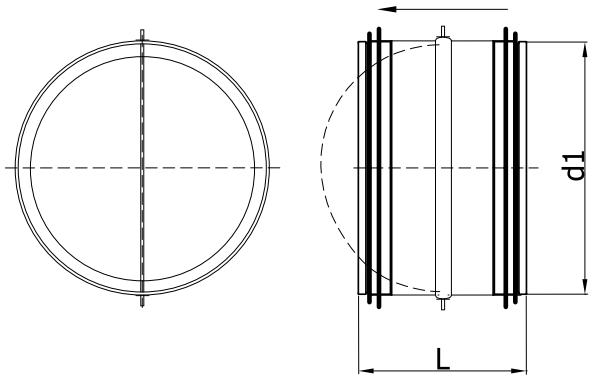
Product code example

Product code: **DAOSL - aaa**

type

Ød$_1$

Dimensions



Ød$_{1\ nom}$ [mm]	L [mm]	Weight [kg]
80	130	0.2
100	130	0.2
125	130	0.3
150	130	0.4
160	130	0.4
180	130	0.4
200	130	0.5
250	190	0.8
300	190	0.9
315	190	1.0
355	270	1.5
400	270	1.7
450	270	1.9
500	270	2.1

Diameter sizes up to Ød 560 mm are available on request.

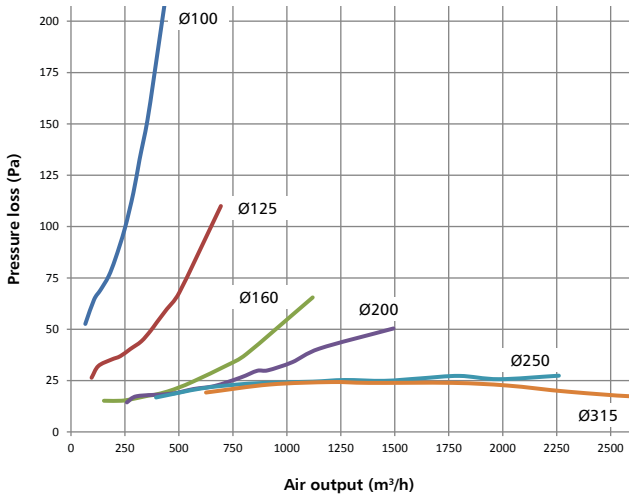
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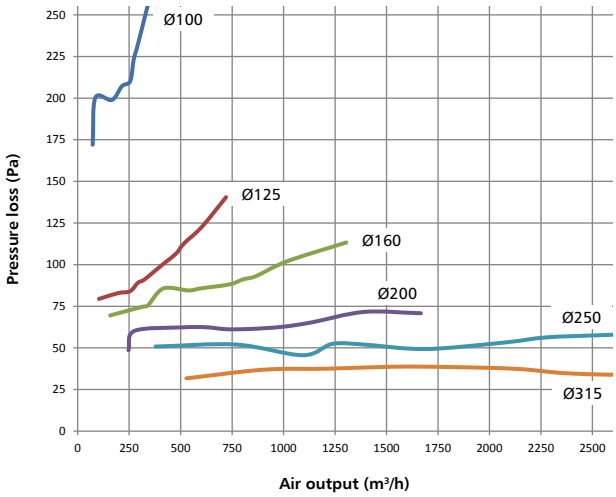
DAOSL

Technical specifications

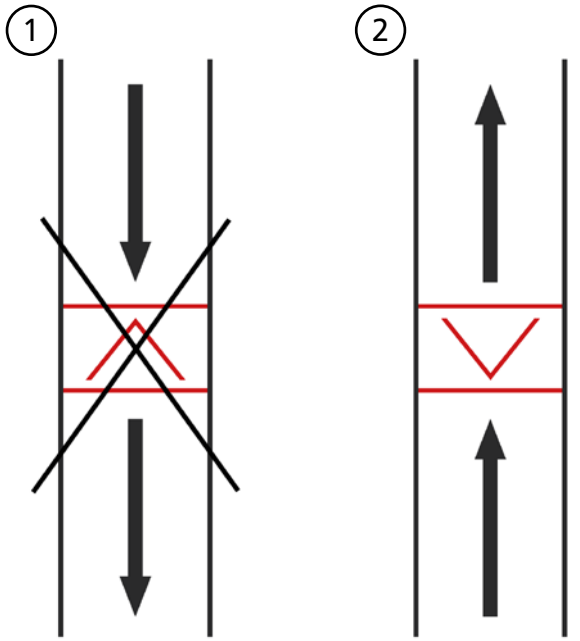
Pressure loss chart for DAOSL



Pressure loss chart for DAOSL-K



Vertical mounting is allowed as shown in the figure below:

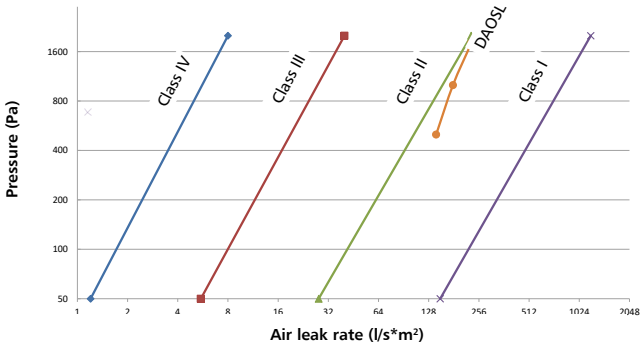


montage incorrect

montage correct

- airflow direction

Air tightness chart for DAOSL



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