Rectangular blade dampers SALEP

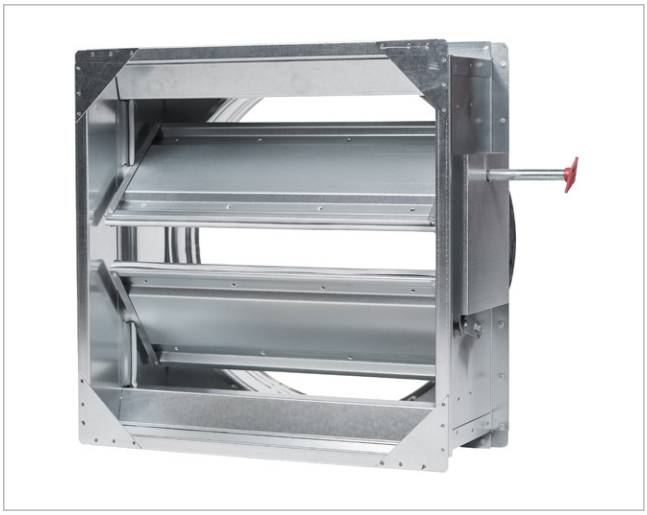


Image of model SALEP T (D1)



Image of model SALEP T (D2)

Product description

Rectangular blade dampers are designed to shut-off and control air flow in the ventilation ducts.

Models

Rectangular blade damper range consists of four models:

SALEP M control damper. Tightness class 1. Used mainly to control air flow in the ventilation system. Frame tightness class C.

SALEP T control and shut-off damper with sealed blades. Tightness class 3. Used mainly in ventilation systems with high demand for air tightness. Frame tightness class C.

SALEP E control and shut-off damper with sealed and insulated blades. Tightness class 3. Used mainly in ventilation systems with high demand for air tightness and temperature insulation. Frame tightness class C.

SALEP EK control and shut-off damper with sealed blades and insulated blades and frame. Tightness class 3. Used mainly in ventilation systems with high demand for air tightness and temperature insulation. Frame tightness class C.

Construction and materials

Blade damper is made of hot dipped galvanized steel. Blade axels are on polyamide bearings. Alternative materials for rectangular blade dampers are stainless steel, acid-proof steel and zinc-magnesium.

SALEP M damper blades are made of single galvanized steel plates without extra sealing material. Standard delive-ry contains a handle for manual adjustment.

SALEP T damper blades are made of two galvanized steel plates with polyamide sides and the edges have silicone gasket. Standard delivery contains a motor bed without manual adjustment. Damper can be quipped with handle for manual adjustment.

SALEP E damper blades are filled with mineral wool. Standard delivery contains a motor bed without manual adjustment. Damper can be equipped with handle for manual adjustment.

SALEP EK damper blades are filled with mineral wool. The outer frame of the damper is also insulated. Standard delivery contains a motor bed without manual adjustment. Damper can be equipped with handle for manual adjustment.

The maximum operating temperature for standard blade dampers is +85°C.

Rectangular blade damper can be equipped with circular duct connection piece on one side (D1) or both sides (D2).

Corrosion classes

As standard: Z275 (C3), ZM310 (C4), aluminium (C4), stainless steel EN 14301 (C4), acid-resistant steel EN 1.4404 (C5).



Image of handle for manual adjustment. Standard on model SALEP M and optional extra for other models.

Lindab reserves the right to make changes without prior notice

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Blade damper types

Order example:

SALEP-E 300x300 250-D1 HST

Type

Nominal dimensions

Circular duct connection (optional)

Special material

1. Damper type and tightness class
SALEP-M – Tightness class 1, manual operation handle
SALEP-T – Tightness class 3, motor bed
SALEP-E – Tightness class 3, Insulated blades, motor bed
SALEP-EK - Tightness class 3, insulated blades & frame, motor bed

2. Nominal dimensions for duct opening
width - height
or
width - height - diameter D1 =
circular duct connection on one side
or
width - height - diameter D2 =
circular duct connection on both sides

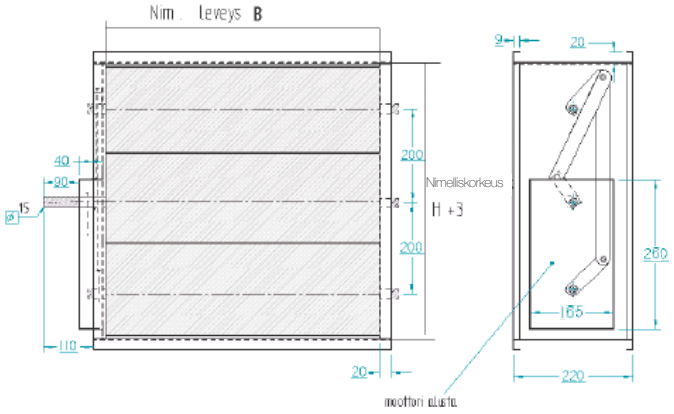
3. Special materials
EN 1.4301 – Stainless steel
EN 1.4404 – Acid-proof steel
ZM310 – Zinc-magnesium

Mounting

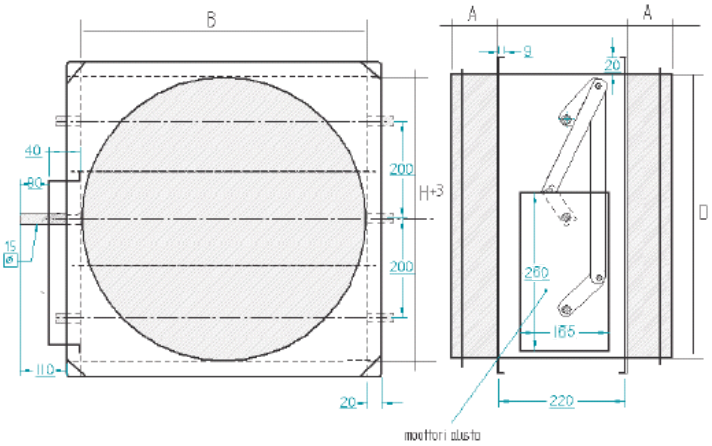
Rectangular blade damper are installed to air handling units or rectangular ducts with push on installation lists. Round connections are equipped with rubber gasket.

The required torque for the actuator motors shall be calculated based on the damper surface area. The type of damper actuator may be selected freely, provided that the available torque is sufficient.

Dimensions



Circular duct connections



ØD	B x H	A
200	200 x 200	69
250	300 x 300	65
315	325 x 325	65
400	400 x 400	95
500	500 x 500	78
630	630 x 630	85
800	800 x 800	145
1000	1000 x 1000	163
1250	1250 x 1250	159

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