

ABC-VKA

WEATHER HOOD FOR OUTDOOR AIR INTAKES



USE

ABC-VKA is a weather wall hood for outdoor air intakes on building façades, designed to provide low pressure drop and excellent protection against rain and snow.

WATER SEPARATION

The ABC-VKA has been tested in accordance with EN 13030:2001. At duct air velocities of up to 3 m/s, it achieves Water Separation Class A.

DESIGN

The wall hood consists of a weather cover and a removable mesh insert. As standard, the mesh insert is punched with 20 mm diameter holes and is designed to provide maximum free area relative to the nominal opening area. It can also be equipped with electric de-icing. The wall hood can be equipped with either a backdraft damper or an outdoor air damper for manual or motorized shut-off. Manufactured in patented color-coated steel and also available in other materials.

Pre-coated steel in standard colours

Zinc magnesium ZM310

Zinc magnesium ZM120

Aluzinc

Stainless steel

Acid-resistant stainless steel

Titanium zinc

Copper

Aluminium

ACCESSORIES

- Perforated mesh insert, 30 mm holes
- ABC-IBZ
- Backdraft damper – outdoor air
- Outdoor air damper – manual operation or spring-return actuator
- Electric de-icing

MAINTENANCE

Inspect the wall hood annually to determine whether cleaning is required. Under adverse weather conditions, the ingress of fine powder snow or the formation of ice cannot be completely prevented.

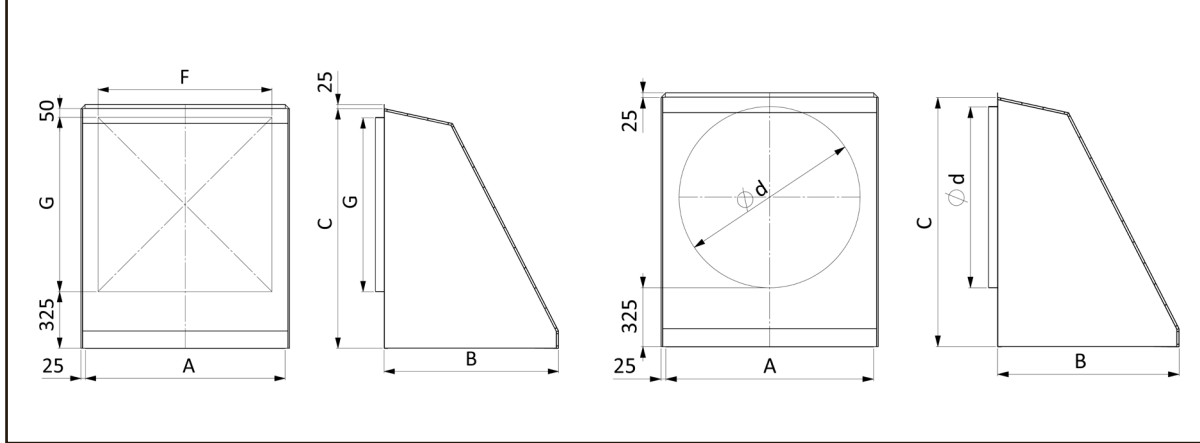
EXAMPLE, DESCRIPTIVE TEXT

ABC-VKA by Swegon.

Circular connection size: Ø500 mm

Perforated mesh insert with 20 mm holes.

Manufactured in patented color-coated steel.



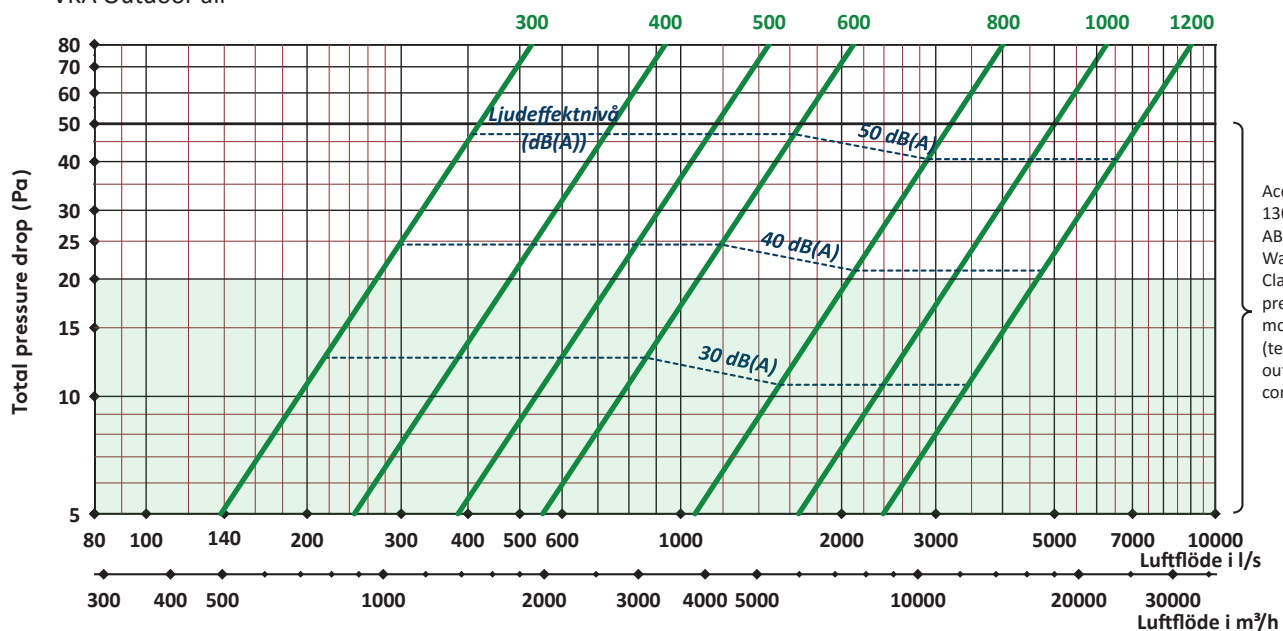
MEASUREMENTS/SIZE

Size Circular connection $\varnothing$ mm	Size Rectangular connection F mm	A mm	B mm	C mm
315	300x300	450	300	675
400	400x400	550	400	775
500	500x500	650	500	875
630	600x600	750	600	975
800	800x800	950	800	1175
1000	1000x1000	1150	1000	1375
1250	1200x1200	1400	1200	1575

The product can be adapted to accommodate various duct connections as a custom configuration.

DIMENSIONING

VKA Outdoor air



According to EN 13030:2001, the ABC-VKA maintains Water Separation Class A at a total pressure drop of more than 50 Pa (tested under outdoor air intake conditions).

Green highlighted area indicates a good energy choice for low SFP values.

Installation:

Applies for: ABC -VKA circular connection

1:

Make an opening in the wall and pull out the ventilation duct so that the duct finish edge to edge with the wall surface. Seal the openings carefully.

2:

ABC-VKA is equipped with a rubber-sealed spiro connection. Connect the back panel to the outdoor air duct. Then fasten it using mounting materials suitable for the type of wall material.

3:

Seal with sealant or similar to prevent water ingress. Reattach the front panel and screw it into place.

Applies for: ABC -VKA rectangular connection

1:

Dimensions are always specified with the width (W) before the height (H), e.g. 500x300 means 500 width and 300 height.

The wall hood consists of a cover and a removable mesh insert. The opening in the wall should be made according to the flange dimensions.

2.

Install in the opening made in the surface and fasten it using appropriate fixing materials and, if necessary, sealant, depending on the type of wall material.

Use a drip flashing to prevent water from entering behind the hood. Seal against the surface with a suitable sealant.