

KLARVENT® Smoke Vents



Nytec Plast **N**AB

Introduction



Nytec Plast offers a very wide range of smoke vents. The KlarVent® vents are available in many different sizes and shapes and with various covers so as to meet all customer wishes and requirements.

KlarVent® are equipped with many different opening systems.

The smoke vents are designed to release highly dangerous smoke and to provide smoke-free evacuation routes for people. They also ensure safer work conditions for fire-fighters when they have to battle smoke and fire.

KlarVent® is therefore very suitable for installation in buildings with staircases and corridors. They are also great for public meeting places as well as for industrial and commercial buildings.

The KlarVent® smoke vents have CE marking, which means that they have been tested and approved according to EU standard EN 12101-2:2004.



KlarVent® CE-certified smoke vents uphold the highest safety and quality.



Available covers:
Dome, alu-cover or
multi-walled
polycarbonate.

Available opening
systems: gas spring
function, fusible link,
electro-magnet, electric
motor driven.

The base are available in
many different shapes and
heights and can be made
of many different
materials. The base have
very good insulating
values.

Adaptable to any type of
roofs such as corrugated
tin roofs. See the
illustration.

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Covers/Bases

The KlarVent® smoke vents are available in many different covers.

Aluminium Covers

Aluminium plates with insulation. Can be delivered with one or two leaves.

Dome Covers

The KlarVent® dome covers are made of acrylic plastic and are available as 1-, 2- and 3-layer versions. available in both transparent glass or opal. Can also be ordered in polycarbonate plastic.

Multi-walled Polycarbonate Covers

The KlarVent® polycarbonate covers are made of multi-walled plastic, which can be ordered in different thickness. These covers are crush-resistant. Can be transparent or opal.

The KlarVent® base constitutes a galvanised steel frame. The base has 40 mm mineral wool insulation and is suitable for all types of roof coverings and sheeting. The standard height is 500 mm but can be ordered in alternative heights as well.

The top of the frame is supplied with a water draining structure. There is a mounting flange at the bottom to ensure easy and smooth assembly.



Opening Systems/Safety

The KlarVent® opening system is designed to meet any and all requirements of the Swedish market. As standard KlarVent® is equipped with a fusible link which, together with gas springs, opens at different temperatures. KlarVent® can also be ordered with an electro-magnet in combination with a fuse, which means that the fire gas ventilation opens when the power is cut off or when the fuse melts.

KlarVent® can also be ordered with a comfort vent, which is controlled with the help of an electrical motor.

KlarVent® offers also an electrically operated opening system for safe and exact movement. These options support connection to fire alarms, smoke sensors and external control buttons.

KlarVent® smoke vents are always equipped with protection against falling, so called “anti-fall net”.

Different anti-burglar gratings such as Swedish class 2 and class 3 are also available.

Light-transmitting covers can be made of crush-resistant polycarbonate to prevent trespassing.



KlarVent® CE-certified smoke vents uphold the highest safety and quality.

Smoke vents designed for renovation

KlarVent® is available as a very smart “smoke vent for renovation”. Instead of changing the whole smoke vent, you just need to remove the old opening mechanism and the cover. Leave the existing base and this way the roof cover will remain intact. Saves a lot of time !

The KlarVent® smoke vent for renovation is installed straight on the existing base. Smooth, fast and simple!

Smoke vents for renovation can be ordered with the same covers and opening system options as our standard KlarVent® smoke vents.



Size Range

Size Ref.No	Roof Opening mm	Geometric area m ²	Storlek Ref.nr	Roofopening mm	Geometric area m ²
Square Smoke Vents			Rectangular Smoke Vents		
K100	1000x1000	1.00	R130/150	1300x1500	1.95
K110	1100x1100	1.21	R130/160	1300x1600	2.08
K120	1200x1200	1.44	R130/180	1300x1800	2.34
K130	1300x1300	1.69	R130/200	1300x2000	2.60
K140	1400x1400	1.96	R130/250	1300x2500	3.25
K150	1500x1500	2.25	R140/180	1400x1800	2.52
K160	1600x1600	2.56	R140/200	1400x2000	2.80
K180	1800x1800	3.24	R140/250	1400x2500	3.50
K200	2000x2000	4.00	R150/200	1500x2000	3.00
Rectangular Smoke Vents			R150/250	1500x2500	3.75
R100/120	1000x1200	1.20	R160/180	1600x1800	2.88
R100/130	1000x1300	1.30	R160/220	1600x2200	3.52
R100/140	1000x1400	1.40	R180/220	1800x2200	3.96
R100/150	1000x1500	1.50	R180/240	1800x2400	4.32
R100/160	1000x1600	1.60	R180/250	1800x2500	4.50
R100/180	1000x1800	1.80	R200/250	2000x2500	5.00
R100/200	1000x2000	2.00	Circular Smoke Vents		
R100/220	1000x2200	2.20	C100	1000	0.785
R120/140	1200x1400	1.68	C110	1100	0.950
R120/150	1200x1500	1.80	C120	1200	1.130
R120/170	1200x1700	2.04	C130	1300	1.326
R120/180	1200x1800	2.16	C140	1400	1.539
R120/200	1200x2000	2.40	C150	1500	1.766
R120/240	1200x2400	2.88	C160	1600	2.009

Our production is flexible, so we can manufacture other sizes too. Please contact us in order to get a quote.

Accessories

- Open leaf sensor that indicates when the vent is open.
- Control by means of electrical systems
- Control units for magnets in one or more groups
- Power supply units with battery backup of at least 10 h
- Smoke detectors
- Rain and wind sensors
- Can be painted in a RAL colour of the customer's choice.
- Wind-deflectors that increase the smoke discharge.
- Overpressure sensors



The KlarVent® smoke vents open up new possibilities by creating safety and security in our working environment and life.

The KlarVent® smoke vents offer worthwhile and flexible solutions for industrial and commercial buildings.

The KlarVent® CE-certified smoke vents are manufactured by means of a high-precision process.

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