

NOVENCO Car Park Ventilation Systems

The inventor of the thrust ventilation system

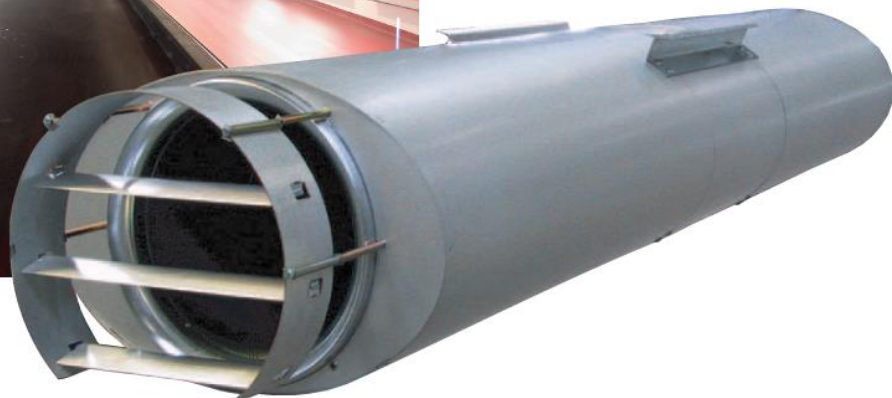
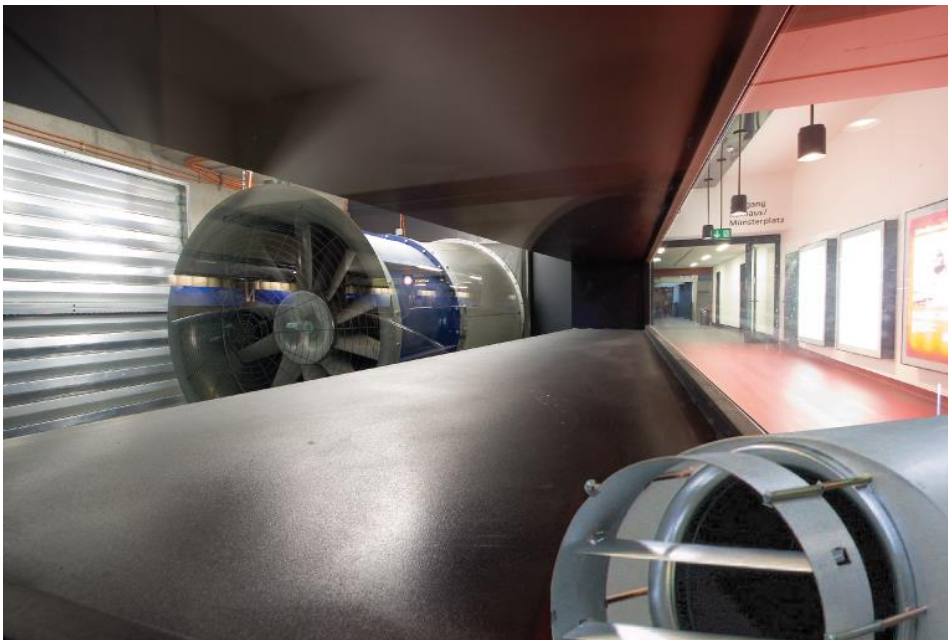


Intelligent solutions start with the design

In 1995, Novenco was the first to design a jet fan based ventilation system for car parks. And as the inventor of the system, we have set a new standard for ductless car park ventilation systems around the world.

Using a Novenco thrust ventilation system eliminates the need for bulky ductwork. Not only does this result in savings on materials and space savings, but also in considerable savings in operational costs as the result of a well-designed control system in combination with lower power consumption on the supply and extract fans.

The control system consists of a combination of detection systems, control panel and a suitable number of jet fans. In combination with the main extract and supply fans this safeguards properly balanced airflows to provide a healthy and safe environment.





Meeting all requirements at significant lower operational costs

The Novenco thrust ventilation system offers numerous advantages over conventional ducted ventilation systems for car parks. The unique features of the system help to ease an otherwise complicated layout of services inside the car park.

The system uses the thrust principle – jet fans delivering air at relative high outlet velocities, inducing air from the surroundings to prevent the build up of high toxic CO concentrations. The jet stream induces air from all layers in the car park eliminating the need for extract points at low and high levels.

Bulky, unsightly and often quite complex ductwork is not required. This also makes the solution ideal when existing buildings or basements are refurbished.

Furthermore the soffit mounted jet fans allow for flexible positioning and short installation periods.

Substantial energy savings

The lack of ductwork reduces the fan pressures required and thus allows for the selection of fans with a significantly lower motor power.

For CO ventilation the jet fans are operated at low speed, requiring only 150W, resulting in substantial energy savings.



Meeting all requirements

The Novenco thrust ventilation system meets all requirements for carbon monoxide ventilation and smoke clearance in the event of a fire.

Furthermore, in most cases the system offers a facility that is not available with conventional ducted systems.

The different types of jet fans allow for very flexible system designs which are always in accordance with the project requirements. For projects in which low sound is of the essence, Novenco has developed a special range of low noise design jet fans.

All jet fans and axial flow fans have been tested and high temperature certified to the classes F200/F300/F400 in accordance with EN 12101 part 3.





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With more than 60 years' experience, Novenco is among the world leaders in supplying ventilation systems.

In 1995, Novenco launched the world's first jet fan based car park ventilation system. Over the years, Novenco has established a unique expertise in car park ventilation.

Today, Novenco continues to be a market leader in developing and manufacturing ventilation systems that are marketed and distributed world-wide through subsidiaries and representatives.

The Novenco Group currently consists of the parent company in Denmark and subsidiaries in The Netherlands, Norway and the UK. We also have offices in Germany, Sweden, Italy, China and Singapore.

To get more information, please contact your local representative:

www.novencogroup.com