Novovent – Company Profile

- Fan manufacturer based in SPAIN.
- Year of Foundation: 1988 (29 years old)
- Export represents around 60% of Total Sales
- Presence in more than 50 Countries Worldwide
Novovent – Employees

Novovent Employees

- Engineers: 44%
- College Degree: 16%
- Workers: 40%
Novovent – In the World

- European Countries
- Middle East and Asian Countries
- African Countries
- American Countries
Novovent – R&D

• 10 % total Sales to R&D department every year.
• 11.1% total Employees in the R&D department.
• New concept NSC

- 10-12 % higher efficiency vs conventional fans
- Lower noise level vs conventional fans.
Novovent – R&D

OWN SOFTWARE
DOMESTIC RANGE

WALL & GLASS MOUNTED

Wide range of different products for different applications.

From 90 m³/h to 1,400 m³/h
DOMESTIC RANGE

IN-LINE MOUNTED COMPACT

AXIAL, CENTRIFUGAL & MIXFLOW TECHNOLOGY

From 90 m³/h to 10,300 m³/h
INDUSTRIAL RANGE – AXIAL FANS

AXIAL FANS

Wall mounted, in-line duct mounted & box noise isolated

7 different types of impeller & material

From 200 mm to 1.600 mm
INDUSTRIAL RANGE- FIRE RATED

AXIAL FANS – FIRE RATED

Wall mounted, in-line duct mounted, jet fan & box noise isolated

Certification:
400°C/2h 300°C/2h and 200°C 2h

From 315 mm to 1.600 mm
INDUSTRIAL RANGE – ROOF FANS

ROOF FANS
Axial, centrifugal and fire rated

From 500 m³/h to 100,000 m³/h
INDUSTRIAL RANGE - CENTRIFUGAL

CENTRIFUGAL FANS

Forward curved wheel, Backward curved wheel & Radial wheel

Standard & fire rated

From medium to high pressure
ACCESORIES
NOVOVENT provides together with the Jet Piros and the CPS or PMS a computational fluid dynamic analysis (CFD) which allows detailed computation of airflow. It is a very useful system to demonstrate to the local authorities, consultants and owners that designs will performance satisfactorily. Once it is defined in the CFD the parking’s geometry, air-change rates, volume, air flow direction, the air exhaust/supply location and the Jet Piros a standard simulation will provide.
The design of car park ventilation systems with JET PIROS fans offers the following benefits:

• Elimination of expensive, bulky and complex duct systems within the car park.

• With less ductwork the lower system resistances can result in reduced overall power consumption being achievable.

• When used in conjunction with CO sensors further energy savings can be obtained by selectively operating fans in polluted areas.

• Improved air quality can be achieved by more effectively mixing the air.
Benefits 2

• Greater flexibility in installation and operation avoids the problem of stagnant areas.

• Effective smoke control by limiting the spread of smoke and directing the smoke flow.

• Less ductwork means a safer, lighter environment with better security due to increased visibility.

• Reduction of installation and overall construction build costs over traditional ducted systems.
With the Serrated Novovent Concept (S.N.C.), NOVOVENT, S.A. has developed a new blades’ generation. The S.N.C. is the result of three different research lines.

- We get higher performance due to the sickle blades.
- Due to the winglet applied at the end of the blade we debug turbulences.
- In order to reduce the sound level we designed a serrated profile at the rear of the blades.

The S.N.C. blade compared with the traditional ones gets better performance in airflow and pressure; decreasing the power needs and sound levels about 10%.

The new impeller will be applied to all our axial product range. Applied with the Multiflow Novovent System (M.N.S.) gives to NOVOVENT an exclusive range of products and the possibility to offer unique solutions.
Novovent is equipped with the latest technologies for measuring noise under the norm AMCA 300 (BS848 part 2). Our Laboratory tests all acoustic, electrical and fluid dynamics performance of all fans within two cameras and nozzle entrance test for fans up to 1.600 mm in diameter, 200.000 m³/h and 3.000 pa of static pressure following the international standards, ISO 5801:1997, BS 848-1:1980 and ANSI / AMCA 210-85:1985.
Conventional impeller
WINDER

- Conventional impeller
- Impeller with sickle form
WINDER

- Conventional impeller
- Impeller with sickle form
- Impeller with sickle form with winglet
WINDER

- Conventional impeller
- Impeller with sickle form
- Impeller with sickle form with winglet
- Impeller with sickle form with winglet and serrated profile – WINDER -
WINDER
Novovent – New Factory

Headquarters in Barcelona (SPAIN)

NEW FACTORY 2018

30,000 m²
Novovent – New Factory

NEW FACTORY 2018.

30,000 m²
THANK YOU VERY MUCH
FOR YOUR KIND ATTENTION