ACOUSTIC LOUVRES

A complete range of aero-acoustically tested and certified sound insulating louvre models and systems
MERFORD ACOUSTIC LOUVRES

DESIGNED TO INTEGRATE IN ANY DESIRED ARCHITECTURE AND/OR COLOUR COMBINATION.
Merford acoustic louvres, nine aero-acoustically tested louvre models are specifically designed to provide cost effective acoustic treatment of a wide range of environmental noise pollution issues.

The acoustic louvre is an outside wall louvre with a silencer combined in one product. The louvre is ideally suited for locations that require ventilation louvres with insulation values ranging from 11 to 21 dB, low air resistance and minimum installation depths.

The sound-insulating louvre is designed so that it can be integrated in any desired architecture, imagineering and/or colour combination. Sound-insulating ventilation louvres are developed specifically for situations where airflow must be maintained and where the space for installation is limited. Merford acoustic louvres can be used on both architectural and industrial projects.
MERFORD ENSURES THAT THE ENTIRE PROJECT IS DESIGNED, MANUFACTURED AND INSTALLED TO YOUR REQUIREMENTS.
Properties
- Aero-acoustic
- Rain and snow resistant
- Minimum installation depth
- Easy to install
- Integral bird screen

Typical applications
- Plant enclosures and screens
- Plant room ventilation
- Wind turbine nacelles and towers
- Compressor housings
- Air handling systems
- Cooling/heating systems
- Parking garages
- Natural ventilation systems
- Schools and residential buildings
- Building facades

Options
- Low pressure drop versions (AKH)
- Polyester Powder Coating (PPC)
- Corrosion resistant coating up to C5-M
- Available in aluminium, galvanised and stainless steel
Only once it is quiet do you realise how much noise there is on any given day. And how unpleasant this can be. Ventilation systems, machinery and vehicles create continuous noise. Excessive exposure to this can cause stress, buzzing in your ears, high blood pressure, as well as heart problems. Good reason why government enacts laws and regulations that provide for a better sound climate.

**Expertise**

Controlling decibels is a precise task. To guarantee optimal noise reduction, we first conduct meticulous tests and measurements using calibrated measuring equipment. We do this on-site or in our own test room: the Silence Factory. Using acoustic cameras (sound imaging) we can easily localise the source and strength of the noise. Following a meticulous analysis, our experts design a solution for you in 3D. Naturally, our solution provides due consideration to your wishes and the legal requirements that apply to your situation. We have all the required thermal insulation, fire safety, ventilation, cooling, lighting and explosion safety (ATEX) expertise in-house for this purpose.
**Turnkey solutions**

It may be that the solution to your noise issues is best provided in the form of a total product: a turnkey solution. In that case Merford ensures that the source of the noise is completely insulated through means of a housing or a different kind of structure. In actual practice such sources often consist of machinery, equipment or installations that vary significantly in terms of size and level of noise. Merford delivers these solutions ready-made, without any need for concern on your part. Our project managers guide the entire process, from sound measurement to final assembly.

**Sustainability**

Merford is committed to corporate social responsibility. This means we put a lot of energy in the welfare of people, and we consider the impact of our activities on the environment. This ambition is reflected in all aspects of our business: from the climate control system in our building to the products we develop and sell. In principle, most of our products contribute to a sustainable working environment. These include, for example, our fire doors and acoustic absorption materials, or our filter and climate control systems. Also, an increasing number of our products are made, either in part or in whole, from recycled materials.

Merford helps you control any undesirable noise in various ways. Whether you need to comply with the latest noise legislation or want to compete with the quietest machine on the market, we can help you.