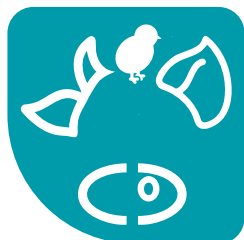




LIVESTOCK INDUSTRY

Ventilation and Filtration Solutions

ANIMAL WELFARE



AIR RENEWAL AND QUALITY IN FARMS AND LIVESTOCK FACILITIES

HJB wall-mounted high-flow fan



- Ideal for **air renewal** in farms, livestock buildings and greenhouses.
- High airflow capacity helps reduce **gas and humidity** build-up.
- Made of galvanised steel, with a **high-efficiency** three-phase motor (IP55, Class F insulation). Supplied with safety guard.
- Equipped with an **overpressure shutter**: reliable counterweight-operated opening, ideal for harsh environments.
- Belt-driven system.
- **Stainless** steel impeller (AISI 430).
- Available sizes: **HJB 90, 110, 120, 140**.
- Maximum airflow: from 15,600 m³/h to **41,100 m³/h**.

HJBM PLUS wall-mounted axial fan



- **Wall-mounted** installation to optimise airflow.
- Designed for air renewal in livestock facilities and greenhouses.
- Made of **galvanised** steel with C4 anti-corrosion finish and reinforced **polyamide** adjustable-angle blades.
- High-efficiency, low-energy consumption motor. Available in single-phase and three-phase versions, with IP-55 or IP-54 protection (IP-65 for terminal box) and class F insulation. Includes motor support **grid** and protective guard.
- Sizes: **HJBM PLUS 25, 30, 35, 40, 45, 50, and 56**.
- Maximum airflow rates: from 1,290 m³/h to **12,010 m³/h**.

VENTILATION IN WORK AREAS AND PRODUCTION PROCESSES

HI axial adjustable



- **Portable** and easy to move according to specific needs.
- Ideal for surface drying, localized cooling, and improving ventilation at critical points.
- **Adjustable** air jet.
- With on/off switch and CETAC-type plug.
- Protective **grille** on both sides.
- Durable and **corrosion-resistant** for use in demanding environments.
- Single-phase asynchronous motors with 6 poles, IP-55 protection, and class F insulation.
- Sizes: **HI 45, 50, and 56**.
- Maximum airflows: from 4,720 m³/h up to **7,820 m³/h**.

MB medium-pressure centrifugal



- Designed for extraction or localised supply air in livestock and industrial processes.
- Suitable for machinery cooling and product temperature reduction.
- Handles continuous air temperatures of up to 130 °C.
- Casing made of rolled steel sheet, fully welded or lock-formed, and corrosion-protected for demanding environments.
- Three-phase asynchronous motors with IP-55 protection and class F insulation.
- Forward-curved impeller made of galvanised steel sheet.
- Sizes: **MB 12/5, 14/5, 16/6, 18/7, 20/6, 20/8, 22/9, 25/10, 28/11, 31/12, 35/14, 40/16, 48/18**.
- Maximum airflows: from 250 m³/h up to **12,500 m³/h**.

AIR PURIFICATION AND PARTICLE CONTROL

ENKELBOX PLUS EEC FILTER ventilation unit with filtration

- Combined **ventilation and HEPA filtration** system to ensure maximum air quality.
- **Reduces airborne particles and contaminants** in livestock production areas.
- Galvanised steel casing with aluminium framework and **insulated** panels filled with 25 mm thick, class A1 (non-combustible) rock wool at 90 kg/m³ density.
- Ideal for installations with strict hygiene requirements.
- **Easy maintenance** with quick-release system for filter replacement.
- **Electronically controlled motor** and **safety** switch with potentiometer for full-speed regulation.
- Sizes: 155, 190, 250, 310, 355, 450, 500, 560, and 630.
- Maximum airflows: from 450 m³/h up to **17,000 m³/h**.



REINTDECK purifiers

- High-performance ventilation technology with low-consumption **EC motor**.
- These industrial air purifiers are ideal for ensuring a contaminant-free environment in livestock facilities, cutting rooms, and similar areas by reducing dust, allergens, and pathogens.
- **REINTDECK EASY:** Decentralised purifier designed for installation in false ceilings or suspended.
 - Reduces viral load and improves air quality through constant air renewal.
 - Equipped with H-14 HEPA absolute filters that remove **99.995% of particles**.
 - Sound-insulated structure with easy maintenance for quick filter replacement.
- **REINTDECK:** Centralised version with greater filtration capacity.
 - **Triple**-stage filtration with G4, F7 and H-14 HEPA filters for maximum efficiency.
 - Perfect for large facilities such as pavilions, warehouses, and production areas.



APPLICATIONS IN SILOS AND FORAGE DRYERS

- Silos are key structures for preserving grain, forage, and other livestock inputs. Without proper air circulation, several issues may arise, such as:
 - **humidity** build-up, promoting mould and fungal growth.
 - Development of **microorganisms** that affect feed quality.
 - Generation of **harmful gases such as CO₂ and NH₃**, which can be dangerous for both staff and animals.
- Ventilation solutions:
 - **Centrifugal fans** to maintain airflow inside the silos, preventing condensation and ensuring proper preservation of stored grain or forage
 - **Axial fans** installed at silo access points to improve air renewal and prevent the build-up of harmful gases.
- **Artificial drying of forage** is a fundamental process to preserve its quality and extend its storage time without losing nutritional value. During dehydration, it is crucial to have an efficient ventilation system to:
 - Ensure **uniform drying** of the forage and prevent unwanted **fermentation**.
 - Control **temperature** to avoid damaging the product's nutritional properties.
 - **Reduce processing time**, optimising production and energy efficiency.
- Ventilation solutions:
 - Axial fans with directed airflow to speed up drying processes.
 - Centrifugal fans for hot air extraction systems, cooling, or boosting the flame in dehydration plants, allowing rapid and controlled drying.



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