

Lindab Data Centre Solutions

High-performance ventilation and airflow solutions for critical data centre environments. Designed for efficiency, reliability and precise climate control.

For a better climate.

Optimised ventilation for high-performance data centres

Lindab provides a full range of ventilation solutions designed for the demands of modern data centres. With a complete portfolio of products and expertise, we help customers build energy-efficient, resilient and future-ready facilities from design to operation.

Why choose Lindab for data centres

From design through operation.

A complete ventilation offer combining products, engineering, digital tools and local delivery for mission-critical facilities.

	LOCAL EXPERTISE	PROJECT SUPPORT
01	**Complete portfolio, one partner**	Ductwork to air distribution - backed by in-house R&D, testing, manufacturing and tailored engineering.
02	**Reliable performance**	Reliable systems, precise indoor climate control and durable ventilation networks support uninterrupted operation.
03	**Efficiency that supports PUE targets**	Low-friction airflow and demand controlled solutions enables reduced operational impact.
04	**Local project support**	Hands-on technical guidance and design insight help translate project requirements into effective local implementation.
05	**Proven in mission-critical projects**	Experience across hyperscale, colocation and enterprise data centres across international markets.
06	**Global scale, local presence**	Operations across 18 countries and 180 locations.

Product overview



Louvre damper modules

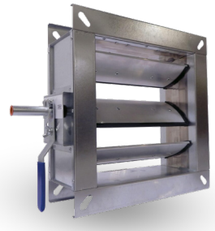
Function: Louvre damper module assemblies for controlled external air intake, extract and relief air.

Sizes: Bespoke sizes to suit project requirements.

Installation: External wall apertures, with weather louvres and insect mesh.

Features: Insulated aluminium or stainless-steel construction, low-leakage blades and modulating actuator options.

Application: Data centres, plantrooms and commercial/industrial buildings.



Volume control dampers

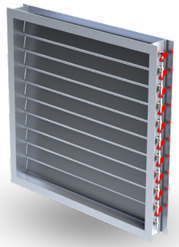
Function: Volume control dampers for regulating and balancing airflow in ventilation and ductwork systems.

Sizes: Standard and bespoke sizes to suit project requirements.

Installation: Circular or rectangular duct systems. Damper array solutions available.

Features: Aluminium or galvanised steel construction, low-pressure drop and a range of manual or actuator control options.

Application: Commercial, industrial and HVAC ventilation systems.



Back draft dampers

Function: Prevents reverse airflow through intermittently used ductwork.

Construction: Extruded aluminium frame and blades with steel and plastic components.

Connections: Square flanged, with circular and flat oval options.

Features: Up to 86% free area, corrosion-resistant construction and optional linked blades and weights

Application: Data centres, plantrooms and ventilation systems.



Constant and variable air volume

Function: Regulation and balancing of airflow within ventilation and air conditioning systems.

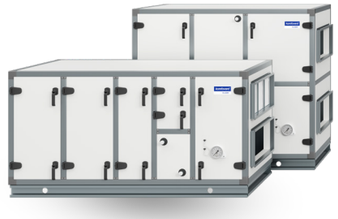
Types: Constant flow and variable air volume solutions.

Installation: Circular or rectangular duct systems.

Features: Accurate airflow regulation, pressure-independent VAV control and flexible control options.

Application: Commercial, industrial, residential and other ventilation systems.

Product overview



Air handling units

Function: Custom-made air handling units for supply and extract ventilation.

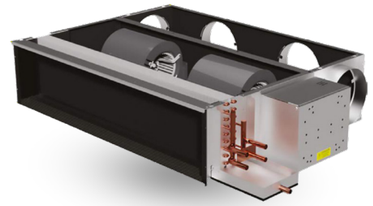
Airflow: 1,000–100,000 m^3/h.

Heat Recovery: Rotary, counterflow plate, cross-flow plate and run-around coil options.

Features: Bespoke dimensions, high-efficiency fans, heating and cooling options, filtration and integrated controls.

Installation: Indoor or outdoor.

Application: Data centres, industrial facilities and other complex ventilation projects.



Fan coil units

Function: Fan coil units for heating and cooling of conditioned air.

Installation: Ceiling void, concealed or underfloor applications.

Features: Compact modular construction, efficient fan and coil design, acoustic options and accessible maintenance.

Application: Data centres, commercial buildings, industrial facilities and other air-conditioning applications.



Fans

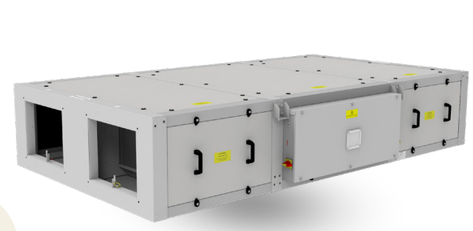
Function: Efficient movement and extraction of air within ventilation systems.

Types: Axial and centrifugal extract fans.

Installation: Inline, duct, roof and wall-mounted configurations.

Features: High-efficiency motor options, speed control and flexible installation solutions.

Application: Residential, commercial, industrial and specialist ventilation systems.



Heat recovery units

Function: Mechanical ventilation with heat recovery.

Airflow: Up to 7000 m^3/h

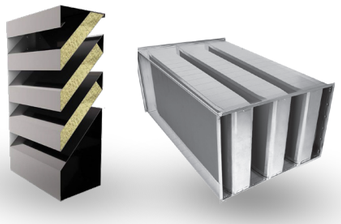
Installation: Internal or external, including concealed ceiling applications.

Features: Up to 93% heat recovery, low SFP, low sound levels, M5/F7-equivalent filtration and summer bypass.

Controls: Integrated, remote and app-based control with wired or wireless sensors.

Application: Commercial, industrial and technical ventilation systems.

Product overview



Acoustic offering

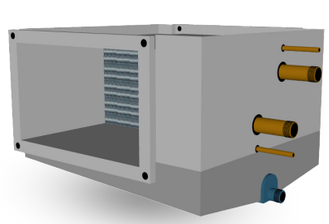
Function: Acoustic control for ventilation, air intake, exhaust and plant screening.

Types: Acoustic attenuators and louvres in modular, circular, splitter and Continuous Line configurations.

Installation: Ductwork, façades, plant areas and enclosures.

Features: Tested acoustic performance, flexible configurations, bespoke solutions, optional attenuators and integrated support systems.

Application: Data centres, commercial and industrial ventilation systems.



Heating/cooling coils

Function: Heating and cooling coils for air handling and ventilation systems.

Types: Hot water, chilled water, evaporator, electric and condenser coils.

Construction: Copper, aluminium, stainless steel, cupro-nickel and titanium options.

Features: Custom sizing, efficient heat transfer, low pressure drop and corrosion protection.

Application: Data centres, cleanrooms, commercial and industrial HVAC systems.



Grilles/diffusers

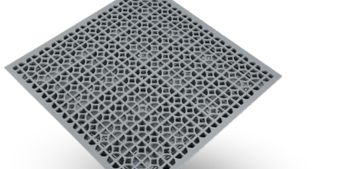
Function: Grilles and diffusers for controlled supply and extract air distribution.

Sizes: A wide range of standard sizes and configurations to suit project requirements.

Installation: Ceiling, wall and exposed installations.

Features: Efficient air distribution, low sound levels, low pressure loss and flexible design options.

Application: Data centres, technical spaces and commercial ventilation systems.



Floor grilles

Function: Floor grilles for supply and return air distribution in ventilation systems.

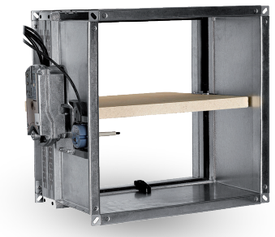
Sizes: Standard and bespoke sizes to suit project requirements.

Installation: Floor-mounted, suitable for raised floors and other floor applications.

Features: Robust construction, high airflow capacity and a range of finishes and configurations.

Application: Data centres, cleanrooms, laboratories, electronic workshops and semiconductor plants.

Product overview



Fire dampers

Function: Fire protection for air duct systems passing through fire-resistant walls and floors.

Type: Rectangular fire damper.

Construction: Stainless steel or galvanised steel with calcium silicate blade

Features: Class C casing leakage performance according to EN 1751:2014.

Application: Data centres, commercial buildings and other fire-rated ventilation systems.



Fire damper controls

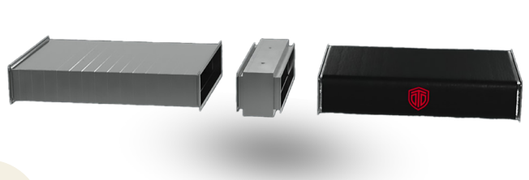
Function: Intelligent control and monitoring of fire and smoke dampers.

Capacity: Up to 2000 dampers.

Installation: Commercial ventilation systems, integrated with fire alarm and building management systems.

Features: Self-addressing technology, touchscreen control, automated monitoring and simplified commissioning.

Application: Commercial buildings and ventilation systems requiring centralised fire damper control.



Thor Duct® 2.0

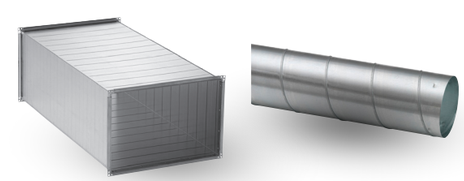
Function: Fire-resistant ductwork for smoke extraction, fire-rated and pressurisation applications.

Sizes: Up to 1250 × 1000mm for standard applications; larger sizes available as split ducts where applicable.

Installation: Vertical and horizontal installations with 30mm flange connections and pre-insulated sections.

Features: Pre-insulated construction, 25mm insulation collar, lightweight system, simplified penetration solutions and CE/UKCA marking.

Application: Smoke extraction, fire-rated ductwork, pressurisation and fire compartmentation.



Ductwork systems

Function: Supply and extract air distribution within ventilation systems.

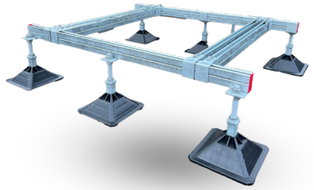
Systems: Rectangular LKR ductwork and Lindab Safe SR circular ductwork.

Installation: Suitable for integration with Lindab ductwork, fittings and ventilation components.

Features: Robust construction, flexible configurations, stiffened rectangular profiles and a wide range of circular duct dimensions.

Application: Data centres, commercial buildings, industrial facilities and other demanding ventilation environments.

Product overview



Non-penetrative Roof Supports

Function: Heavy-duty rooftop support for HVAC equipment and services.

Systems: HD Frames and adjustable Beam systems.

Construction: 41 × 82 mm hot-dipped galvanised channel and HDG framework.

Features: Adjustable configurations, load distribution, cable and pipework support and anti-vibration pads.

Installation: Flat roofs and existing structural support arrangements.

Application: Data centres, commercial buildings and industrial HVAC installations.



Pressure stabilisers

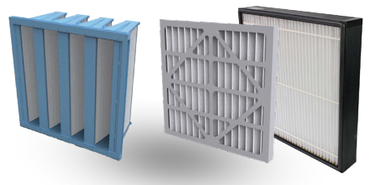
Function: Passive air pressure stabilisation between adjoining rooms and controlled environments.

Models: 50LFA, 80LFA, 100LFA and 100LF FDK.

Installation: Wall and door mounting, with models available for wall thicknesses from 50mm to 175mm.

Features: Self-actuating operation, single and multi-bladed configurations, no external power requirement and Biomaster antimicrobial coating.

Application: Controlled ventilation environments, technical spaces and specialist building applications.



Air filtration

Function: High-efficiency and coarse filtration of incoming air within ventilation and air handling systems.

Models: RPV ES rigid compact filters, FZ carton SC and ES panel filters, FZ PVC filters.

Media: Mini-pleat glass fibre and synthetic filter media.

Features: A+ energy rating on RPV ES, high filtration area, low initial pressure drop, high dust-holding capacity and lightweight construction.

Performance: RPV ES ePM1 60–90%; FZ carton and PVC Coarse 65%, in accordance with ISO 16890.

Application: Air handling units, air intake systems and ventilation installations in data centres.



Water filtration

Function: High-efficiency liquid filtration and particle removal.

Models: Standard, Large Diameter (LD) and Junior.

Media: Four-layer pleated polypropylene.

Performance: 95–99% efficiency; 0.1–100µm ratings.

Features: High dirt-holding capacity, low pressure drop, chemical resistance and bonded end caps.

Application: Water treatment, liquid filtration and data centre cooling circuits.

Louvre dampers modules

High-performance damper and louvre cassette assemblies for external air intake, extract and relief air applications. Manufactured from high-grade stainless steel or aluminium with insulated casings and blades, the assemblies combine robust construction, low leakage and reliable actuator control with weather louvres and insect protection.



Function: Louvre damper modules assemblies for controlled external air intake, extract and relief air.

Sizes: Bespoke sizes to suit project requirements.

Installation: External wall apertures, with weather louvres and insect mesh.

Features: Insulated stainless-steel construction, low-leakage blades and modulating actuator options.

Application: Data centres, plantrooms and commercial/industrial buildings.

Robust, insulated construction

Double-lined 304 stainless steel or aluminium casings feature a 40mm insulated cavity for enhanced thermal and acoustic performance. Double-skin stainless steel or aluminium blades incorporate 30mm PIR insulation for improved thermal efficiency.

TPE blade seals, stainless steel side gaskets and sealed fillers provide low leakage, with blade leakage to EN 1751 Class 3 and case leakage to Class C. Stainless steel axles, Oilite bearings and robust linkages ensure smooth, reliable operation.

Designed for efficient installation

Powder-coated aluminium installation flanges feature pre-punched fixing holes for straightforward fitting into external wall apertures. Weather louvres are sized to suit each damper and include removable stainless steel insect mesh with 56% free area.

Spring-return actuators can be supplied with 12mm square form-fit coupling for precise damper control. Each assembly is factory inspected, tested and labelled, with damper torque measured and recorded before dispatch.

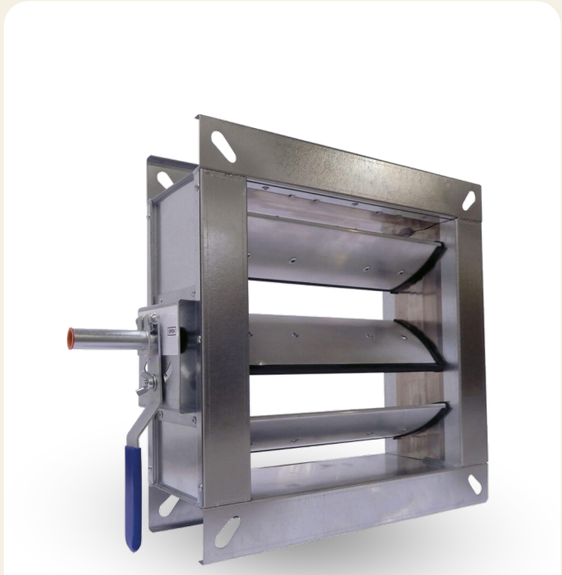
Quality assured

Detailed drawings are produced and approved for each damper arrangement, with individual assemblies clearly identified for installation. Components and fixings are supplied as required, with dampers, louvres and actuators securely packed for transport.

Six-monthly inspection, cleaning and functional testing is recommended to maintain reliable operation. Maintenance frequency can be adjusted according to site conditions and recorded in the maintenance log.

Volume control dampers (heavy duty low-leakage)

Our volume control dampers provide accurate regulation and shut-off of airflow, with a range of construction options to suit different ductwork systems, applications and operating conditions



Function: Volume control dampers for regulating and balancing airflow in ventilation and ductwork systems.

Sizes: Standard and bespoke sizes to suit project requirements.

Installation: Circular or rectangular duct systems.

Damper array for modular construction.

Features: Aluminium or galvanised steel construction, low-pressure drop and a range of manual or actuator control options.

Application: Commercial, industrial and HVAC ventilation systems.

Flexible construction

Available in aluminium, galvanised steel and stainless steel, the range includes dampers suitable for a variety of ventilation and HVAC applications. Options include square, circular and flat oval connections to suit different ductwork systems.

Double-skin aerofoil blades provide robust and reliable airflow control, with low-leakage shut-off options also available. A comprehensive range of actuator options allows the dampers to be manually operated or integrated into automated ventilation systems.

Designed for dependable airflow control

The dampers are suitable for constant modulation and can be supplied for both general-purpose and more demanding applications. Their robust construction and protected linkage systems provide smooth, reliable operation with minimal maintenance requirements.

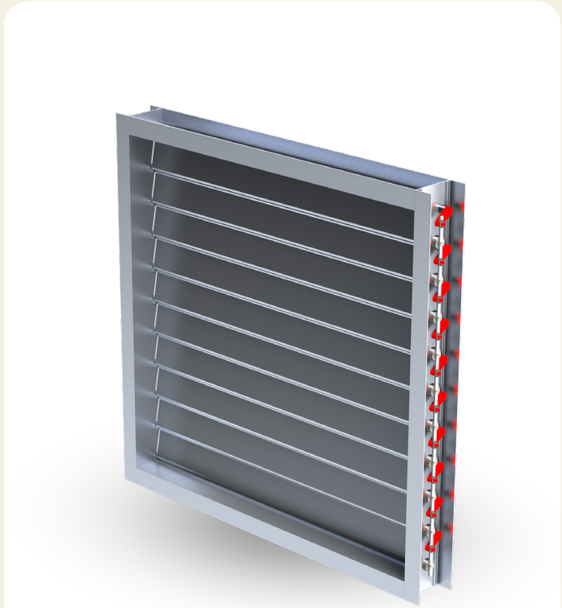
Available in a range of sizes and configurations, the dampers can be supplied as standalone units or integrated into larger ductwork assemblies. Installation should allow suitable access for inspection, cleaning and future maintenance.

Actuation & control

Volume control dampers can be supplied with a range of manual and motorised actuator options to suit the application. Actuated dampers can be integrated with building management and ventilation control systems, allowing accurate adjustment of airflow and dependable automatic operation.

Back draft dampers

Reliable non-return dampers designed to prevent unwanted reverse airflow through ventilation systems. Lightweight aluminium construction provides corrosion resistance and reliable one-way airflow control for demanding ventilation applications.



Function: Prevents reverse airflow through intermittently used ductwork.

Construction: Extruded aluminium frame and blades with steel and plastic components.

Connections: Square flanged, with circular and flat oval options.

Features: Up to 86% free area, corrosion-resistant construction and optional linked blades and weights

Application: Data centres, plantrooms and ventilation systems.

Controlled airflow

BDS Back Draught Shutters, also known as non-return dampers, are designed to allow airflow in one direction while preventing backflow through intermittently used ductwork.

Lightweight, corrosion-resistant construction

Manufactured with extruded aluminium frames and blades, BDS shutters combine low weight with high resistance to corrosion. Standard mill-finish aluminium can be powder coated to any RAL or BS colour.

Designed for reliable operation

Unlinked blades are supplied as standard, with linked blades recommended for duct velocities above 5 m/s. Optional removable weights allow the opening and closing pressure to be adjusted on site.

Flexible installation

Standard units feature square flanged connections, with square, circular and flat oval spigot options available. With up to 86% maximum free area, the shutters provide effective airflow direction control while helping prevent unwanted backflow and heat loss.

Reliable one-way airflow control for critical ventilation systems.

BDS Back Draught Shutters provide a simple and lightweight solution for controlling airflow direction and reducing unwanted backflow when ventilation systems are not in operation.

Constant and variable air volume

Lindab's constant and variable air volume solutions provide accurate airflow regulation and balancing for ventilation and air conditioning systems. From maintaining a consistent airflow to automatically adjusting air volume according to changing requirements, the range supports comfortable indoor environments and efficient system operation.



Function: Regulation and balancing of airflow within ventilation and air conditioning systems.

Types: Constant flow and variable air volume solutions.

Installation: Circular or rectangular duct systems.

Features: Accurate airflow regulation, pressure-independent VAV control and flexible control options.

Application: Commercial, industrial, residential and other ventilation systems.

Constant air volume

Constant airflow solutions maintain the required air volume even when system conditions change. They help compensate for factors such as changes in system operation, filter or duct resistance, thermal lift forces, wind effects and the opening of windows, helping maintain balanced ventilation.

Variable air volume

Variable air volume solutions regulate airflow according to changing requirements. Pressure-independent regulation combines airflow measurement and damper control to provide accurate and reliable air volume regulation across changing operating conditions.

Designed for flexible system integration

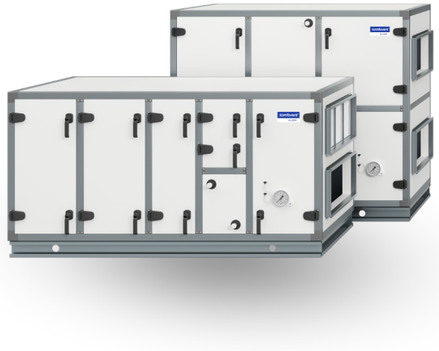
Solutions are available with manual or motorised control and can be integrated with different communication and building management systems. Compact solutions are available for both circular and rectangular duct systems, providing flexibility across a wide range of ventilation applications.

Key features

- Constant and variable airflow regulation
- Pressure-independent VAV regulation
- Accurate airflow measurement and control
- Manual and motorised options
- Circular and rectangular duct solutions
- Integration with building management systems
- Designed to support energy-efficient ventilation

Air handling units

Bespoke air handling solutions for complex ventilation requirements in data centres and demanding environments. Units are individually configured with a choice of heat exchangers, fans, heating, cooling and humidification options, tailored to each project's requirements.



Function: Custom-made air handling units for supply and extract ventilation.

Airflow: 1,000–100,000 m^3/h.

Heat Recovery: Rotary, counterflow plate, cross-flow plate and run-around coil options.

Features: Bespoke dimensions, high-efficiency fans, heating and cooling options, filtration and integrated controls.

Installation: Indoor or outdoor.

Application: Data centres, industrial facilities and other complex ventilation projects.

Bespoke construction

This range of custom-made air handling units designed for projects where standardised equipment cannot meet the required configuration. Each unit is individually designed, with non-standard dimensions and a wide selection of components available.

The robust casing uses aluminium profiles and solid cast-aluminium corner pieces to provide a strong and durable construction.

Configured for project requirements

A comprehensive choice of heat exchangers, fans, heaters, coolers and humidifiers allows the units to be configured around individual ventilation and temperature-control requirements.

Heat recovery options include rotary, counterflow plate, cross-flow plate and run-around coil systems, alongside supply and extract units without heat recovery.

Designed for demanding environments

These units can be manufactured for indoor or outdoor installation and can incorporate hygienic construction, anti-corrosion coatings and other specialist requirements.

High-efficiency EC/PM fans and large-area air filters are available, while integrated controls can provide connection to Building Management Systems using BACnet or Modbus.

Bespoke air handling for complex ventilation requirements.

Lindab provides individually configured air handling solutions where airflow, space, energy efficiency and system requirements demand a tailored approach. The range is Eurovent approved and can be configured to meet specific project requirements.

Fan coil units

High-performance temperature control
Fan Coil Units provide efficient heating and cooling for demanding ventilation and air-conditioning applications. Their compact, modular construction allows units to be configured to suit project requirements while maintaining low sound levels and efficient operation.



Function: Fan coil units for heating and cooling of conditioned air.

Installation: Ceiling void, concealed or underfloor applications.

Features: Compact modular construction, efficient fan and coil design, acoustic options and accessible maintenance.

Application: Data centres, commercial buildings, industrial facilities and other air-conditioning applications.

Designed for efficient cooling

The fan and heat-exchanger coil work together to provide controlled air temperature, with chilled or heated water used to adjust the temperature of the supplied air. Optimised airflow through the coil helps maximise cooling performance while reducing energy consumption.

Compact and easy to maintain

The compact design allows FCUs to be installed within ceiling voids or beneath floors, while access through a 600 × 600mm opening makes servicing and component replacement easier. Optional side access provides additional flexibility where space is restricted.

Quiet, controlled operation

Acoustic performance is an important consideration in occupied and technical environments. FCUs undergo thermal and acoustic testing, with optional attenuation available where lower noise criteria are required. Controls can also be integrated with Building Management Systems for automated operation.

Data centre benefits

- Efficient heating and cooling
- Compact design for restricted ceiling voids
- Low specific fan power
- Reduced cooling energy consumption
- Designed for low-noise operation
- Accessible for routine maintenance
- BMS-compatible control options
- Modular and configurable construction

Efficient, compact temperature control for demanding environments.

Fans

Lindab provides a wide range of fan solutions for ventilation and air movement, supporting applications from residential and commercial buildings to industrial and specialist environments. The range includes axial and centrifugal fans in a variety of configurations to suit different airflow, pressure and installation requirements.



Function: Efficient movement and extraction of air within ventilation systems.

Types: Axial and centrifugal extract fans.

Installation: Inline, duct, roof and wall-mounted configurations.

Features: High-efficiency motor options, speed control and flexible installation solutions.

Application: Residential, commercial, industrial and specialist ventilation systems.

Designed for efficient performance

Fan solutions are available with high-efficiency motors and speed control options, helping ventilation systems respond to changing requirements while supporting efficient energy use. EC motor technology is available on selected solutions, providing efficient operation and flexible control.

Flexible installation

The range includes inline, roof-mounted, wall-mounted and duct-mounted configurations, allowing fans to be integrated into new or existing ventilation systems. Compact designs and accessible maintenance features help simplify installation and servicing.

Reliable air movement

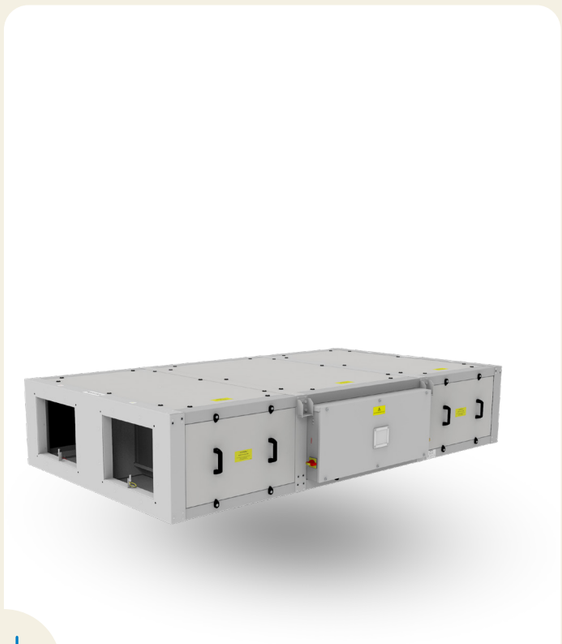
Solutions are available for a wide range of operating conditions, including demanding commercial and industrial environments. Specialist options are available where higher temperatures, corrosion resistance or other specific operating requirements need to be considered.

Key features

- Axial and centrifugal fan solutions
- Commercial, industrial and residential applications
- High-efficiency motor options
- EC motor technology on selected solutions
- Speed and airflow control options
- Inline, roof, wall and duct-mounted configurations
- Solutions for demanding operating environments
- Options for specialist applications

Heat recovery units

The Lindab range of compact commercial heat recovery unit designed to provide efficient ventilation with heat recovery efficiency of up to 93% in accordance with EN308. Low specific fan power and EC/DC motors help deliver efficient operation with low sound levels.



Function: Mechanical ventilation with heat recovery.

Airflow: Up to 7000 m^3/h

Installation: Internal or external, including concealed ceiling applications.

Features: Up to 93% heat recovery, low SFP, low sound levels, M5/F7-equivalent filtration and summer bypass.

Controls: Integrated, remote and app-based control with wired or wireless sensors.

Application: Commercial, industrial and technical ventilation systems.

Compact, flexible installation

The double-skinned, acoustically and thermally insulated construction is designed for concealed ceiling applications, with side and bottom access for straightforward maintenance. The IPX4-rated unit can be installed internally or externally with the appropriate roof assembly.

Integrated filtration & frost protection

M5/F7-equivalent filters are supplied as standard, with low-pressure-loss filtration and filter-change indication. Integral frost protection and a summer bypass support reliable operation across changing conditions.

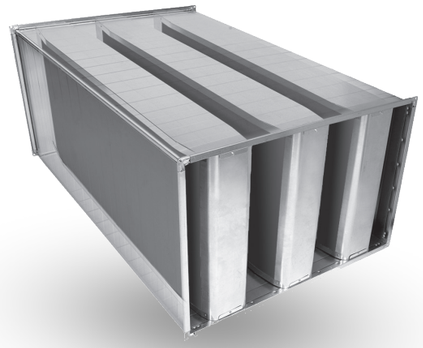
Advanced control

Integrated controls, remote room controller and app connectivity provide commissioning, monitoring and remote control. Wired and wireless CO_2, temperature and humidity sensors are also available.

Efficient heat recovery with low sound, advanced controls and flexible installation. It combines efficient heat recovery, low-energy operation and intelligent controls in a compact, flexible unit, providing reliable ventilation and improved indoor air quality for demanding commercial and technical environments.

Acoustic attenuators

Attenuators are designed to reduce noise generated by fans and other HVAC equipment while maintaining efficient airflow through ventilation systems. Tested for acoustic performance, they provide reliable noise reduction for demanding applications.



Function: Acoustic attenuators for reducing noise from fans and HVAC equipment within ventilation systems.

Types: Lining, splitter, modular, element, circular and bend attenuators.

Installation: Rectangular and circular ductwork, plant areas and restricted spaces.

Features: Tested acoustic performance, flexible configurations and options for different ductwork and installation requirements.

Application: Data centres, commercial, industrial and HVAC ventilation systems.

Designed for controlled noise levels

Available for rectangular and circular ductwork, the range includes lining, splitter, modular, element, circular and bend attenuators to suit different system requirements. Solutions can also be designed for restricted spaces and specific installation requirements.

Flexible construction

Attenuators can be supplied with different configurations, including vertical or horizontal splitter orientations, with optional internal and external paint finishes. The range allows systems to be selected according to airflow, space and acoustic requirements.

Acoustic performance & testing

Attenuators are tested for static and dynamic performance in accordance with EN ISO 7235:2009, with acoustic performance data used to establish noise reduction performance.

Reliable acoustic control for demanding ventilation environments.

Attenuators provide engineered noise reduction solutions for ventilation systems, helping achieve specified acoustic criteria while integrating into a wide range of ductwork configurations.

Acoustic louvres

Acoustic Louvres are designed to reduce noise from mechanical plant while allowing the passage of air for ventilation and cooling systems. They provide controlled acoustic performance for demanding environments where noise levels need to be carefully managed.



Function: Acoustic control and ventilation for external air intake, exhaust and plant screening.

Construction: Galvanised steel with optional polyester powder-coated finish in a wide range of RAL colours.

Installation: Façades, building apertures, plant enclosures and screening applications.

Features: Continuous Line modular design, bespoke configurations, optional attenuators, integrated steelwork support and acoustic performance testing.

Application: Data centres, commercial buildings, industrial facilities and mechanical ventilation systems.

Designed for data centres

Ideal for fresh-air intake and exhaust applications, as well as screening mechanical plant, the systems combine airflow, acoustic control and visual screening. Bespoke solutions can be designed to suit the size, layout and requirements of each project.

Continuous Line system

The modular Continuous Line Acoustic Louvre system provides a clean, consistent appearance across large openings and can be supplied with integrated steelwork support for efficient installation. Optional rear-mounted attenuators can provide additional acoustic performance.

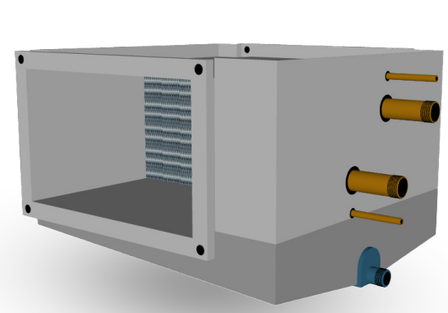
Tested performance

Acoustic Louvres are tested for sound reduction, insertion loss, pressure loss, fire safety and rainwater penetration. The range achieves a fire classification of A2-s1,d0 to EN 13501-1:2018, with Class A rainwater penetration available using the optional rainwater rejection system.

Engineered acoustic control with efficient airflow and a clean architectural finish.

Heating/cooling coils

High-performance heat exchangers for efficient heating, cooling and energy recovery in demanding ventilation systems.
Custom heat exchangers to suit individual project requirements, combining efficient heat transfer, low pressure drop and long-term reliability.



Function: Heating and cooling coils for air handling and ventilation systems.

Types: Hot water, chilled water, evaporator, electric and condenser coils.

Construction: Copper, aluminium, stainless steel, cupro-nickel and titanium options.

Features: Custom sizing, efficient heat transfer, low pressure drop and corrosion protection.

Application: Data centres, cleanrooms, commercial and industrial HVAC systems.

High-performance thermal control

Custom-designed heating and cooling coils for efficient temperature control in data centre ventilation and air handling systems.

Designed for efficient heat transfer

Coils are engineered to meet individual project requirements, providing efficient heating and cooling with low pressure drop. A range of configurations and materials allows each coil to be matched to the system and operating conditions.

Flexible construction

Available in copper, aluminium, stainless steel, cupro-nickel and titanium, coils can be supplied with options including condensate trays, droplet separators, flanges, fittings and anti-corrosion treatments.

Engineered for reliability

Each coil is thermally and mechanically designed to suit the application, with controlled manufacturing and testing available to verify performance and quality.

Data centre benefits

- Custom-designed to project requirements
- Efficient heating and cooling
- Low pressure drop
- Wide choice of materials
- Corrosion-resistant options
- Suitable for demanding operating conditions
- Testing available for thermal performance

Efficient, engineered temperature control for critical ventilation systems.

Grilles/diffusers

High-performance grilles and diffusers for controlled air distribution in data centres and technical environments. Designed to deliver efficient supply and extract airflow with low sound levels, low pressure loss and flexible installation options to suit different cooling and ventilation requirements.



Function: Grilles and diffusers for controlled supply and extract air distribution.

Sizes: A wide range of standard sizes and configurations to suit project requirements.

Installation: Ceiling, wall and exposed installations.

Features: Efficient air distribution, low sound levels, low pressure loss and flexible design options.

Application: Data centres, technical spaces and commercial ventilation systems.

Controlled air distribution

Lindab grilles and diffusers provide efficient and controlled air distribution for data centres and other technical environments. The range includes ceiling diffusers, wall diffusers and grilles designed to deliver supply and extract air where it is required.

Designed for efficient airflow

A wide range of designs, sizes and configurations allows airflow patterns to be tailored to the requirements of each space. Products are designed to provide effective air distribution with low sound levels and minimal pressure loss.

Flexible installation

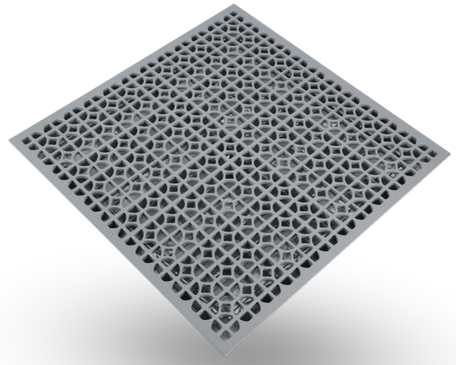
Solutions are available for ceiling, wall and exposed installations, with options to suit different ductwork arrangements and architectural requirements. Plenum boxes and accessories can be supplied to provide complete air distribution assemblies.

Efficient, controlled air distribution for demanding data centre environments.

Lindab grilles and diffusers provide reliable air distribution solutions designed to support effective ventilation and cooling while integrating with a wide range of ceiling, wall and ductwork systems.

Floor grilles

High-performance aluminium raised access flooring for data centres, cleanrooms and technical environments. Die-cast aluminium construction combines high load-bearing capacity, durability and corrosion resistance with flexible airflow and anti-static options.



Function: Floor grilles for supply and return air distribution in ventilation systems.

Sizes: Standard and bespoke sizes to suit project requirements.

Installation: Floor-mounted, suitable for raised floors and other floor applications.

Features: Robust construction, high airflow capacity and a range of finishes and configurations.

Application: Data centres, cleanrooms, laboratories, electronic workshops and semiconductor plants.

High-strength aluminium construction

Die-cast aluminium panels manufactured from ADC12 alloy provide a lightweight yet high-strength raised access floor system, offering excellent dimensional stability, corrosion resistance and durability.

Available in solid, perforated and grille configurations, the system can provide different levels of underfloor airflow while supporting the demanding requirements of technical environments. Anti-static HPL and PVC finishes are also available.

Designed for demanding environments

Raised access floors are suitable for data centres, cleanrooms, laboratories, electronic workshops and semiconductor facilities, where reliable load-bearing performance, airflow management and equipment access are essential.

Adjustable pedestal systems allow installation heights to be tailored to project requirements, with both galvanised steel and aluminium pedestal options available.

Flexible and reliable system

Standard 600 × 600mm panels are available in models from SC668 to SC2500, with floor heights from ≤100mm up to 2000mm. High load-bearing capacity, combined with lightweight construction, makes the system suitable for applications requiring robust underfloor support.

Panels can be epoxy powder coated or nickel-chromium plated, with a range of surface finishes available. The system is manufactured using highly mechanised production processes to ensure consistent quality and dimensional accuracy.

Fire dampers

Reliable fire protection for ventilation systems passing through fire-resistant walls and floors.
Fire dampers feature closing blade and Class C casing leakage performance, providing dependable fire protection within critical air distribution systems.



Function: Fire protection for air duct systems passing through fire-resistant walls and floors.

Type: Rectangular fire damper.

Construction: Stainless steel or galvanised with calcium silicate blade

Features: Class C casing leakage performance according to EN 1751:2014.

Application: Data centres, commercial buildings and other fire-rated ventilation systems.

Designed for critical applications

The WK25 provides dependable fire protection where ventilation ductwork passes through fire-rated walls and floors, helping maintain the integrity of fire compartments within complex building systems.

Reliable system integration

Designed for integration into rectangular air distribution systems, the WK25 combines robust fire protection with controlled casing leakage for reliable performance within critical ventilation installations.

Reliable fire protection

The WK25 is a rectangular fire damper designed for air duct systems passing through fire-resistant walls and floors, helping maintain the fire performance of compartment boundaries.

Refractory construction

The 25 mm thick closing blade is manufactured from refractory material, providing robust protection when the damper closes during a fire.

Controlled air leakage

The WK25 achieves Class C casing leakage performance in accordance with EN 1751:2014, supporting effective compartmentation while maintaining controlled system performance.

Reliable fire protection for critical ventilation systems.

Fire damper controls

The DCS Master TUI provides a central touchscreen interface for monitoring and controlling connected fire and smoke dampers. Designed for clear system status information and straightforward operation, it supports efficient testing, fault identification and system management.



Function: Intelligent control and monitoring of fire and smoke dampers.

Capacity: Up to 2000 dampers.

Installation: Commercial ventilation systems, integrated with fire alarm and building management systems.

Features: Self-addressing technology, DCS Master TUI touchscreen control, automated monitoring and simplified commissioning.

Application: Commercial buildings and ventilation systems requiring centralised fire damper control.

Designed for simple installation

Self-addressing technology simplifies system installation by automatically identifying connected dampers, reducing commissioning time and the potential for installation errors. A touchscreen control interface provides clear system information and straightforward access to control and monitoring functions.

DCS-TUI can control and monitor up to 2000 dampers, making it suitable for both smaller installations and larger commercial ventilation systems.

Reliable monitoring and control

The system continuously monitors connected fire and smoke dampers, providing clear information on system status and supporting efficient testing and maintenance. Integration with fire alarm and building management systems allows FireSmart to form part of a complete building fire protection strategy.

Quality assured

DCS-TUI combines intelligent control with a straightforward system architecture to provide reliable operation and efficient maintenance. The system is designed to deliver dependable performance while reducing the time and complexity associated with commissioning and ongoing system management.

An intelligent fire damper control system combining reliable monitoring, simplified commissioning and straightforward system management for modern fire protection installations.

Other variants available upon request.

Fire rated and smoke evacuation ducting systems

High-performance fire protection with less space
Thor Duct® 2.0 is a pre-insulated fire ductwork system designed to simplify installation while reducing the space required for insulation. Its thin insulation system is integrated within the duct construction, providing high levels of fire protection without the bulk of traditional insulation methods.



Function: Fire-resistant ductwork for smoke extraction, fire-rated and pressurisation applications.

Sizes: Up to 1250 × 1000mm for standard applications; larger sizes available as split ducts where applicable.

Installation: Vertical and horizontal installations with 30mm flange connections and pre-insulated sections.

Features: Pre-insulated construction, 25mm insulation collar, lightweight system, simplified penetration solutions and CE/UKCA marking.

Application: Smoke extraction, fire-rated ductwork, pressurisation and fire compartmentation.

Pre-insulated for efficient installation

Thor Duct® 2.0 is delivered pre-insulated, with insulation fitted within the frame of the 30mm flanges. Unique flange clamps and a 25mm insulation collar provide a fast, straightforward installation process while reducing coordination requirements on site.

The system is designed to minimise space requirements and eliminate the need for external stiffeners, helping to simplify coordination within increasingly congested service areas.

Engineered for performance

Thor Duct® 2.0 provides up to 90-minute fire protection with significantly reduced insulation space requirements. The system is available for smoke extraction, fire-rated and pressurisation applications, with performance tested to the relevant EN standards.

Pre-made penetration solutions further simplify installation, with self-supporting tunnel solutions designed to provide efficient and secure fire compartment penetrations.

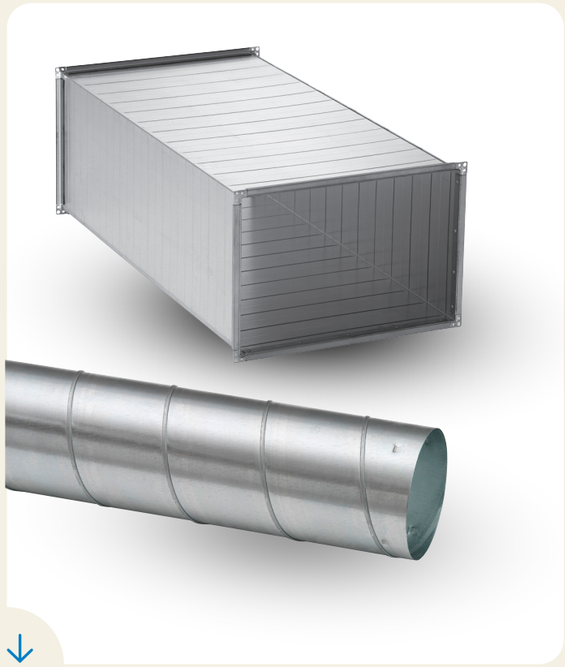
Quality assured

Thor Duct® 2.0 is extensively tested to the latest applicable EN standards and is CE or UKCA marked as appropriate. The system has been developed through more than 15 years of Thor Duct® research and development, combining fire safety, installation efficiency and practical site requirements.

Designed with sustainability in mind, the system uses recyclable materials and a lightweight construction to reduce material requirements and simplify handling.

Ductwork systems

Lindab's rectangular and circular duct systems provide robust and flexible solutions for distributing supply and extract air throughout data centre ventilation systems. Designed for efficient installation and reliable operation, the range accommodates different system layouts and project requirements.



Function: Supply and extract air distribution within ventilation systems.

Systems: Rectangular LKR ductwork and Lindab Safe SR circular ductwork.

Installation: Suitable for integration with Lindab ductwork, fittings and ventilation components.

Features: Robust construction, flexible configurations, stiffened rectangular profiles and a wide range of circular duct dimensions.

Application: Data centres, commercial buildings, industrial facilities and other demanding ventilation environments.

Rectangular duct systems

LKR rectangular ducts feature transverse trapezoid corrugations that increase stiffness while helping reduce the risk of noise generation. Larger dimensions can incorporate additional stiffening profiles and internal rods for increased structural stability.

Standard ducts are supplied with joining profiles for straightforward connection, with flexible options and end covers also available to suit different installation requirements.

Circular duct systems

The combination of rectangular and circular ductwork allows ventilation systems to be configured around the specific requirements of a data centre, from main distribution routes to connections with air handling and terminal equipment.

A wide range of duct dimensions, lengths and connection options provides flexibility during system design and installation.

Reliable ductwork for critical ventilation systems.

Lindab ductwork provides the foundation for efficient air distribution, combining robust construction and flexible installation options for demanding ventilation applications.

Non-penetrative roof supports

Heavy-duty roof support systems for AHUs, chillers and critical HVAC equipment.
HD Frames and Beams provide robust, adjustable support with flexible configurations for new and existing roof structures, without penetrating the waterproof roof membrane.



Function: Heavy-duty rooftop support for HVAC equipment and services.

Systems: HD Frames and adjustable Beam systems.

Construction: 41 × 82 mm hot-dipped galvanised channel and HDG framework.

Features: Adjustable configurations, load distribution, cable and pipework support and anti-vibration pads.

Installation: Flat roofs and existing structural support arrangements.

Application: Data centres, commercial buildings and industrial HVAC installations.

Heavy-duty support

HD Frames and Beams provide engineered support for heavy HVAC equipment, including air handling units and large chillers. Manufactured in the UK, the systems combine robust construction with flexible installation options for demanding rooftop applications.

HD Frames

The HD Frame system is manufactured from heavy-duty 41 × 82 mm hot-dipped galvanised channel and is designed to support heavy loads. The channel framework also provides convenient routes for cable management and pipework, helping keep rooftop installations organised.

Adjustable Beam System

The Beam is an adjustable heavy-duty support system designed for large AHUs and chillers. It can also be used to pick up existing support beams on the roof, helping distribute equipment loads across the supporting structure.

Available with 305 mm and 500 mm plastic feet, the system is supplied with fixings and manufactured to suit the equipment size.

Designed for rooftop installation

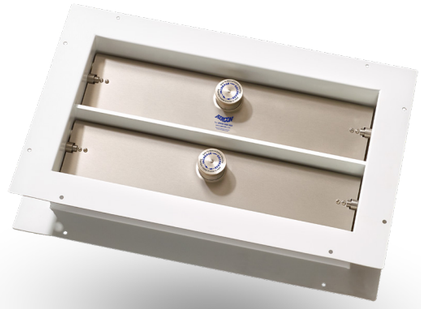
Both systems are designed to provide stable support without penetrating the waterproof roof membrane. Anti-vibration pads are pre-attached to the feet, while the modular construction allows installation to be adapted to individual project requirements.

Robust rooftop support for critical HVAC infrastructure.

Lindab provides flexible support solutions designed to simplify the installation of heavy HVAC equipment while protecting the integrity of the roof structure and waterproof membrane.

Precise pressure regulation

Air pressure stabilisers designed to regulate differential pressure between adjoining spaces. The LF range combines self-actuating operation with flexible installation configurations and antimicrobial protection, providing a passive approach to maintaining controlled pressure conditions.



Function: Passive air pressure stabilisation between adjoining rooms and controlled environments.

Models: 50LFA, 80LFA, 100LFA and 100LF FDK.

Installation: Wall and door mounting, with models available for wall thicknesses from 50mm to 175mm.

Features: Self-actuating operation, single and multi-bladed configurations, no external power requirement and Biomaster antimicrobial coating.

Application: Controlled ventilation environments, technical spaces and specialist building applications.

The LF range of air pressure stabilisers is designed to regulate pressure differences between adjoining spaces. Available in single and multi-bladed configurations, the units respond automatically to changes in differential pressure, helping maintain controlled airflow between rooms.

Self-actuating operation requires no external energy source, providing a passive solution for applications where maintaining stable pressure relationships is important. The stabilisers are also designed to operate independently of airflow volume.

Flexible installation options

The LF range is available in several configurations to accommodate different wall thicknesses and installation requirements. Models include the 50LFA, 80LFA and 100LFA, with wall mounting options covering thicknesses from 50mm to 175mm.
Single and multi-bladed arrangements provide flexibility to suit individual project requirements. The range also includes the 100LF FDK configuration, offering an additional fire-rated option.

Antimicrobial protection

All LF stabilisers feature Biomaster antimicrobial coating as standard, designed to reduce the transmission of bacteria including MRSA and E. coli. Developed through continued product refinement since its introduction in 1994, the range combines established pressure-control technology with enhanced surface protection.

Air filtration

A comprehensive range of rigid compact and panel filters designed to support reliable air filtration in demanding ventilation applications. Combining high-efficiency filtration, energy-conscious performance and practical construction, the range provides solutions for both primary and fine filtration requirements.



Function: High-efficiency and coarse filtration of incoming air within ventilation and air handling systems.

Models: RPV ES rigid compact filters, FZ carton SC and ES panel filters, FZ PVC filters.

Media: Mini-pleat glass fibre and synthetic filter media.

Features: A+ energy rating on RPV ES, high filtration area, low initial pressure drop, high dust-holding capacity and lightweight construction.

Performance: RPV ES ePM1 60–90%; FZ carton and PVC Coarse 65%, in accordance with ISO 16890.

Application: Air handling units, air intake systems and ventilation installations in data centres and other commercial and industrial environments.

High-efficiency filtration

The RPV ES rigid compact filter provides high-efficiency filtration for air handling units and filter housings. Available in efficiencies from ePM1 60% to ePM1 90% in accordance with ISO 16890, its mini-pleat glass fibre media offers a high filtration area within a compact design.
The A+ energy-rated construction combines efficient filtration with a recommended final pressure drop of 250 Pa, helping support energy-conscious ventilation system operation.

Reliable pre-filtration

FZ carton panel filters provide coarse filtration for air intake units, with synthetic pleated media supported by an integrated reinforcing grid. Available in Standard Capacity and Energy Saver versions, the filters feature moisture-resistant cardboard frames and reinforced construction for improved rigidity and air tightness.
FZ PVC filters offer an alternative synthetic-media solution, featuring a high filtration area and high dust-holding capacity. Suitable for airflow rates up to 5,000 m^3/h, they provide effective primary filtration for incoming air.

Practical and durable construction

Designed for straightforward installation and replacement, the filter range offers a choice of frame materials and configurations to suit different filtration requirements. The RPV ES features a plastic frame, while the FZ carton and PVC filters provide lightweight construction options. The FZ range is 100% incinerable, supporting end-of-life disposal requirements. All three filter types are designed for continuous operation at temperatures up to 70°C.

Liquid filtration cartridges

High-performance polypropylene filter cartridges designed for reliable liquid filtration. SPECTRUM Premier Pleat combines multi-layer filtration media, precise particle classification and robust construction to deliver high flow rates, low pressure drop and effective contaminant removal.



Function: High-efficiency liquid filtration and particle removal.

Models: Standard, Large Diameter (LD) and Junior.

Media: Four-layer pleated polypropylene.

Performance: 95–99% filtration efficiency; micron ratings from 0.1 to 100µm.

Features: High dirt-holding capacity, low pressure drop, chemical resistance and bonded end caps.

Application: Water treatment, liquid filtration and data centre cooling circuits.

High-efficiency particle removal

SPECTRUM Premier Pleat Polypropylene cartridge delivers high-efficiency filtration with precise micron ratings from 0.1 to 100µm. Its four-layer pleated polypropylene media combines fine particle removal with additional pre-filtration and support layers, providing filtration efficiencies of 95–99%.
The pleated construction maximises available surface area, delivering high flow rates, low initial pressure drop and increased dirt-holding capacity.

Robust polypropylene construction

An engineered polypropylene inner and outer support cage protects the pleated media while providing strength and structural rigidity. Thermally bonded end caps create a secure seal without adhesives, helping prevent bypass and supporting cartridge integrity.
The polypropylene construction offers chemical resistance, with operating temperatures up to 82°C and compatibility with a range of filtration requirements.

Quality assured filtration

Manufactured in a cleanroom environment, each cartridge is designed to minimise the risk of contamination. WRAS-approved and constructed from FDA-compliant materials, the range is supplied vacuum-sealed, double-bagged and individually boxed and labelled.
A wide choice of micron ratings, cartridge lengths, diameters, end caps and seal materials provides flexibility to suit different filter housings and system requirements.

Supporting a more resource-efficient future

Innovation is at our core. By optimising Power Usage Effectiveness (PUE) through smart, low-friction airflow dynamics, our solutions are designed with energy and resource efficiency in mind, while maintaining operational performance.

- Combining energy-efficient ventilation systems, decarbonised steel, and deep expertise in indoor climate.
- Supporting informed decision-making throughout the entire building lifecycle.
- Improving indoor air quality.
- Optimising energy use.
- Reducing material-related emissions with the use of recycled steel, compared to virgin steel.
- Ensuring reliable performance in real-world operation.
- Taking a holistic approach where all building elements work together effectively.
- Recognising that the buildings of tomorrow are defined not by a single metric, but by the performance of the whole system.

Global scale, local presence

Supporting contractors and consultants at every step.

- We bridge the gap between global project requirements and local implementation.
- Partnering closely with end-users, consultants and MEP contractors, we provide hands-on technical support and deep design insight.
- Operations across 18 countries and 180 locations.



Lindab is a leading European ventilation company creating healthy indoor air and providing solutions designed to support building energy performance. We do this through everything from individual ventilation components to airtight duct systems and demand-controlled ventilation, always guided by comfort, quality and usability. Our systems help provide balanced airflow, safe operation and comfortable indoor climates across a wide range of building types.

Lindab - For a better climate.

Lindab