



# Lindab **InDomo**

Product overview

# We simplify construction

At Lindab we are driven by a strong desire to continuously generate improvements and to simplify construction. We do that by developing products and systems that are easy to use and energy efficient, together with industry-leading knowledge, support, logistics and efficient availability.

We want to simplify everything – from designing, ordering, delivery, goal achievement and installation to the entire way of doing business with us. By simplifying in every stage of the construction process, we also contribute to energy-efficiency.

## A good thinking company

Good thinking is a deeply rooted philosophy that guides us in everything we do. We firmly believe that good thinking makes good solutions to the challenges we all face. Taking responsibility for what we do and how we do things is therefore important to us. Because good thinking is not only about making life easier and more comfortable for our customers and end users. It is also a matter of thinking in a global perspective, all the time. Knowing that we at Lindab are helping to make the world a better place.

## The challenges of residential ventilation

People are not made to live in a confined space, but to breathe pure air. As we spend 80 to 90% of our time inside (housing, offices or other indoor spaces), the indoor air quality is primordial for our well-being as well as for our mental and physical health.

Today, we are facing one of the toughest challenges in decades. New buildings and existing homes must minimize their use of energy. The combination of political will, citizen commitments to respect our planet and the evolution of technology has led to air tight and insulated buildings. But when speaking about low energy houses it is equally important to think about ventilation and a good indoor climate.

Mechanical Ventilation ensures a general, permanent and controlled air renewal on all the rooms of the housing. It ensure the durability of the buildings by preventing the development of molds and contribute to obtaining a good indoor air quality (less humidity, VOC). With InDomo by Lindab, you combine good indoor climate and energy efficiency. Now residential ventilation has become easier than ever.



Don't forget that indoor air is 5 times more polluted than outdoor air!!!

# Lindab InDomo



Lindab Safe connections :

- Achieve air tightness class D
- Fast installation – No need for sealant or tape
- Less environmental impact – No use of solvent based sealants

Plenums and manifolds available with many configurations and diameters



Suitable for Spiral seamed steel ducts as well as semi-flexible ducts

Minimal measures of the products for mounting in either floor, wall or ceiling



Smart look function:

- Quick and easy connection and disconnection
- Easy removal and access for cleaning of duct
- Fast installation – No need for sealant or tape
- No tools required

# Lindab InDomo

A complete duct system designed for integration in residential construction.

Lindab InDomo range is a system of products, suitable for integration or embedment in domestic buildings. The solution combines individual ducts from each extraction and supply point to plenum and distribution boxes connected to the mechanical unit.

## Radial System

The radial principle involves individual ducting tubes from each extraction and supply point to plenum and distribution boxes connected to the mechanical unit. This eliminates cross contamination and noise transfer.

## Semi-Rigid Ducting

Requiring only the minimum of space, InDomo ducting can be run in voids without interference to other services or structural members.

## Reduced Power Use

Lindab semi-rigid duct takes a swept bend form around corners and has a smooth internal surface which reduces pressure drops and power consumption.

## Easy Installation

Push and click Lindab Smart Lock enables hassle free installation. Installation time can be reduced by up to 66% compared to traditional ducting methods.

## Air Tightness

Lindab InDomo components fulfil the requirements of air tightness class D, Lindab Safe connections on circular plenums have built-in gaskets and are Eurovent certified.



Duct is resistant to kinking eliminating points of restriction.

Multiple duct connections to air terminals devices lowers in duct velocity and significantly reduces pressure drops

Small bore ducts – installed quickly and unobtrusively

Radial system provides acoustic separation as recommended by building regulations and eliminates cross talk





**Adaptability**

Smart Lock functionality has the added benefit that ducting can be removed without the need for specialist tools and without damage to components allowing installations to be easily adapted.

**Noise Sensitivity**

Radial ducting solutions provides acoustic separation eliminating cross-talk sound transfer between rooms. Low noise levels can be further ensured with optional specially developed silencers.

**Enhanced Aesthetics**

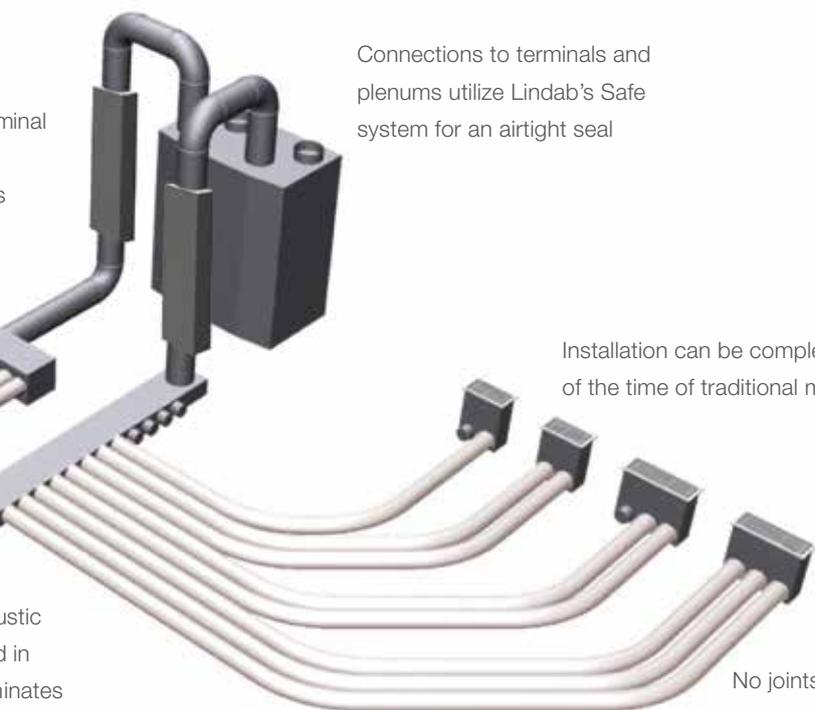
Lindab's selection of high performance air valves offer improved appearance for harmonised integration with interior design.

**Unlimited Applications**

A comprehensive range of manifolds and plenums allow radial ducting systems to fulfil any residential ventilation requirement from single flats, multiple occupancy dwellings and large luxury homes.

**Energy Efficient**

Supply and extract points feed directly from central distribution boxes significantly reducing system pressure drops and power loss which maximises fan power efficiency.



Connections to terminals and plenums utilize Lindab's Safe system for an airtight seal

Installation can be completed in a fraction of the time of traditional methods.

No joints to seal or act as potential leaks

Bends are naturally gentle reducing turbulence, noise and pressure drop



A residential ventilation solution by Lindab makes it easier to achieve Energy class A status.



# Product overview

The products shown below, together with other Lindab products as dampers, silencers, valves and grilles, gives you a complete high quality system for residential ventilation.

## Manifolds

The manifolds are intended for distribution or collection of the airflow supplied to or exhausted from the plenum boxes. They are available in several types and dimensions. All manifolds are designed for floor installation but can be used at other locations as well (ceiling, wall).



## Plenum boxes

The plenum boxes are intended to accommodate a valve or a grid. They can be used for both supplied and exhausted air and are available in several types and dimensions. They are designed for ceiling or wall installation, depending of the model, but can be used at other locations as well (e.g. floor). Many boxes are telescopic or cuttable for flexibility at installation.



## Other



## Semiflexible duct



Click on the picture for link to detailed technical information or visit [www.lindab.com](http://www.lindab.com)

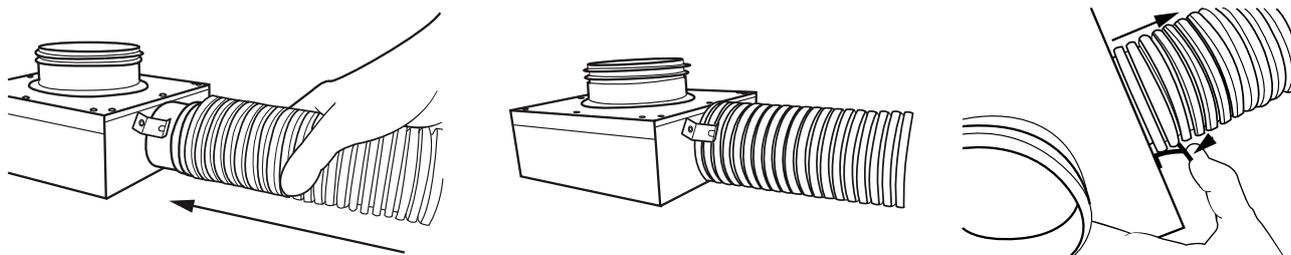


## Effective and safe installation

A system of products, suitable for integration or embedment in buildings. All circular connections are with gaskets according to Lindab Safe, which fulfills the toughest demands for air tightness. Spiral seamed steel ducts as well as semiflexible ducts can be connected with high safety against undesired leakage. Minimal measures of the products means flexibility in construction and installation. Should other solutions occur, they can be ordered specially.

Low levels of noise are ensured with our specially developed silencers, also suitable to be integrated in buildings.

These products, together with other Lindab products as dampers, silencers, valves and grilles, gives you a complete high quality system for residential ventilation. All manifolds and plenum boxes have a Smart Lock function which allows a semiflexible duct to be fastened to the connections. For spiral seamed steel ducts, screws or blind rivets must be used to ensure connection.



### Download CAD and BIM files

Building Information Modeling (BIM) is a digital representation of physical and functional characteristics of a facility. A BIM is a shared knowledge resource for information about a facility forming a reliable basis for decisions during its life-cycle; defined as existing from earliest conception to demolition.



We use MagiCloud ([www.magicloud.com](http://www.magicloud.com)) for you to get access to our BIM models. Find a structured catalog of many Indomo products with download options in different CAD formats. The free use of the extended features, requires a registration inside the portal.



## Good Thinking

**At Lindab**, good thinking is a philosophy that guides us in everything we do. We have made it our mission to create a healthy indoor climate – and to simplify the construction of sustainable buildings. We do that by designing innovative products and solutions that are easy to use, as well as offering efficient availability and logistics. We are also working on ways to reduce our impact on our environment and climate. We do that by developing methods to produce our solutions using a minimum of energy and natural resources, and by reducing negative effects on the environment. We use steel in our products. It's one of few materials that can be recycled an infinite number of times without losing any of its properties. That means less carbon emissions in nature and less energy wasted.

**We simplify construction**