

# HR System Hoods

For a pleasant atmosphere in the kitchen



Climate for life.

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For a pleasant atmosphere in the kitchen



**The Itho Group was founded in 1919. In the years since, the company has established itself as the market leader in indoor climate systems. Complementing its unrivalled ventilation systems, Itho also designs and manufactures high efficiency boilers, solar hot water systems, ground source heat pumps and other energy-saving systems at its headquarters in Schiedam, Netherlands. Itho Ventilation Limited, based in Burton on Trent, is the company's first subsidiary outside the Netherlands.**

Reduced energy consumption, yet improved comfort. The healthiest possible interior atmosphere, yet lower running costs.

These are the seemingly contradictory goals that we've been achieving at Itho for more than 90 years, proving that we can enjoy a superior living environment within the home and protect our natural environment.

We call this a Climate for Life. This means that the homes you build can provide fresh, filtered air whilst costing less to ventilate and emitting fewer emissions.



### **Cracking down on emissions**

Cracks and fissures in the fabric of traditional dwellings provide much of the ventilation necessary in our homes. They also, however, allow energy to escape. Which is why new levels of airtightness are being achieved to ensure the construction industry can meet its target of building zero emission homes by 2016.

This increased airtightness means ventilation will change too. The zero emissions home calls for a continuous mechanical extract system (MEV), ideally with heat recovery

(MVHR). In other words, a system such as the Itho HRU ECO 4 or CVE ECO 2.

### **Itho HR System Hood – a recipe for even cleaner air**

Central mechanical extract ventilation systems provide superior rates of extraction to traditional methods of ventilation, yet consume less energy. And in the kitchen, air quality can be improved even further by the Itho HR System Hood. Stylish, ultra-quiet and suitable for new and refurbished homes, the Itho HR System Hood can extract more than 80% of

moisture and odours generated by cooking. There are 10 models in durable stainless steel, featuring halogen lighting and five-stage metallic grease filters, so there's a model for every taste and kitchen décor.

The Itho HR System Hood, with its special grease filter, is ideal for all types of residence where a continuous central mechanical extract ventilation system is used. This means you can specify any Itho hood in all types of dwelling: from new build family homes, student flats, and sheltered housing to collective housing units and care homes.



**The Itho air curtain function – shutting out cooking odours**

The Itho HR System Hood's fan creates an air curtain around the hob, keeping 80% of vapours and odours within reach of the central ventilation system – more than double the 35% achieved by motorless hoods.

**Easy to connect...**

The Itho HR System Hood connects to the kitchen extract valve which forms part of the building's ventilation system. (Ideally there will be two extract valves so that one can be dedicated to the hood.)

**...and easy to use**

Before cooking, open the extract valve, set the ventilation level using the system's three-position switch and turn on the fan in the HR System Hood. The fan will extract approximately 90m<sup>3</sup>/hr of air from the kitchen and release it through a special plate to create a curtain of air around the hob. Air will now be extracted from across the hob at 125m<sup>3</sup>/hr, bending the air curtain slightly inwards - and containing odours and steam beneath the hood.

Note: for the hood to deliver optimum performance, the central mechanical ventilation system should extract a total of at least 171.8m<sup>3</sup>/h from the kitchen. Of this, 125m<sup>3</sup>/h should be extracted through the hood and 46.8m<sup>3</sup>/h through the valve in the kitchen ceiling.

# Fresher air and the looks to match



The extensive range, comprising chimney hoods, canopy hoods and conventional models, offers a model to suit all tastes and kitchen designs.



## Canto

Product code: 516-8100  
Width 898mm  
Depth 520mm  
Height 685mm up to a maximum of 1140mm



## Piccolo

Product code: 516-8090  
Width 898mm  
Depth 520mm  
Height 685mm up to a maximum of 1140mm

## The Advantages

- The solution for all homes with a continuous mechanical extract especially MEV and MVHR systems.
- More than 80% effectiveness because of the unique air curtain function.
- Ultra-Quiet operation.
- Choice of stylish designs .
- Halogen lighting.
- Durably built in Stainless Steel.
- Five stage metallic grease filters.
- Suitable for both new build and refurbishments.
- Washable filters.



### Piano

Product code: 516-5095  
Width 898mm  
Depth 520mm  
Height 720mm up to a maximum of 1170mm



### Allegro

Product code: 516-6090  
Width 898mm  
Depth 520mm  
Height 730mm up to a maximum of 1180mm



### Legato

Product code: 516-4095  
Width 898mm  
Depth 520mm  
Height 720mm up to a maximum of 1150mm



### Andante 60

Product code: 516-3065  
Width 598mm  
Depth 520mm  
Height 720mm up to a maximum of 1150mm

## Easy to clean & maintain TIPS

The exterior of the system hood can be cleaned with a damp cloth and a mild household detergent.

The motor of the aerator fan in the system hood requires no lubrication or maintenance.

The filter should be cleaned depending on use, but at least once a fortnight. Dip the filter (if necessary several times) in boiling water to which a degreasing detergent has been added, or clean the filter in the dishwasher. After cleaning, rinse the filter under the tap with hot water and let it drip dry.

See User Guide for full instructions.



### Andante 90

Product code: 516-3095  
Width 898mm  
Depth 520mm  
Height 720mm up to a maximum of 1150mm



### Built-in 60 slide in/out

Product code: 516-2060  
Width 598mm  
Depth 295mm extending to 495mm  
Height 500mm up to a maximum of 700mm



### Built-in 90 slide in/out

Product code: 516-2090  
Width 898mm  
Depth 295mm extending to 495mm  
Height 500mm up to a maximum of 700mm



### Built-under 60 Stand alone

Product code: 516-1070  
Width 598mm  
Depth 520mm  
Height 650mm up to a maximum of 700mm

## General Information

As standard, the Canto has illuminated touch pad control buttons; comes with a choice of blue, red or amber background lighting; has a dimmable lighting option and an electrically operated extract valve.

The Legato can only be used above a hob with a maximum of 4 cooking rings.

In the case of the Built-in 60 and Built-in 90 models, upon opening the HR System Hood, the air curtain automatically activates.

The Built-under 60 Stand Alone model uses a SES bulb (not halogen).

HR System Hoods are to be fitted 650mm to 700mm above the work top.

HR System Hoods have push button with illuminated indicator (excluding models 516-8100, 516-2060 and 516-2090).

# Climate for life

## **Vision.**

The ultimate challenge in climate management is the realisation of a comfortable, healthy indoor climate that doesn't use energy. This will have to be solved by reducing energy demands and having very efficient equipment and sustainably created energy. In the long run, only electricity can be generated in a sustainable way, which is why, in our point of view, we are moving towards an 'all electric society'. We are fascinated by this new vision of society and with solving the apparent contradiction between comfort and energy consumption.

## **Mission statement.**

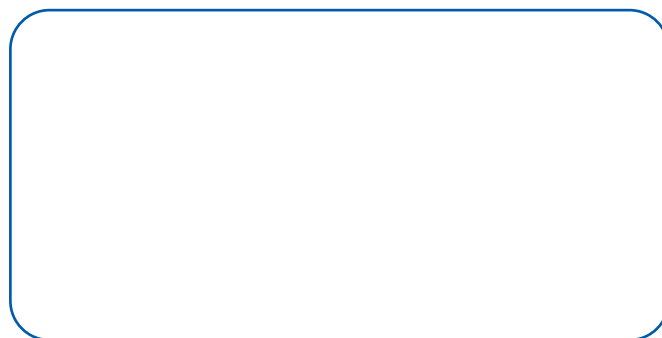
To make the residential environment climate neutral.

## **The development.**

Itho saw in time that climate change also requires companies to change. That is why Itho has transformed itself over a ten-year period from being a Dutch trading company into a self-developing manufacturer that distributes its innovative products throughout Europe, partly through its own outlets.

## **The future.**

The challenge to stop climate change is becoming greater and greater. Because of this the number of innovations will increase and we will introduce these innovations in a growing number of European countries. A lot will be expected of us and we expect to find an increasing number of partners and colleagues that share our vision, motives and vigour.



## **Itho Ventilation Limited**

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