

DucoBox **Energy Comfort (Plus)**

The **SMARTEST** Mechanical Ventilation with Heat Recovery!



D325

D400

D350/D450/D550



High flow rates

Up to 550 m³/h at 200 Pa



100% exchangeable

Left  Right



Auto-calibration

Save up to € 30 per installation

DUCO

We inspire at www.duco.eu

DucoBox Energy Comfort (Plus)

First choice for any residential construction situation

The **DucoBox Energy Comfort Plus** has been developed for application of balanced ventilation with heat recovery. With its various versions and adjustable capacity of up to 550 m³/h, this smart and quiet ventilation box is the solution for any situation in residential construction. The **left/right exchange** is carried out 100% by software thanks to a patented principle of **double by-pass**. Dynamic air distribution filters, together with smart demand control based on CO₂ and humidity, ensure exceptional efficiency.



Smart 2-zone control with external valves

Patented principle of **double by-pass**

L/R exchangeable
100% software-based

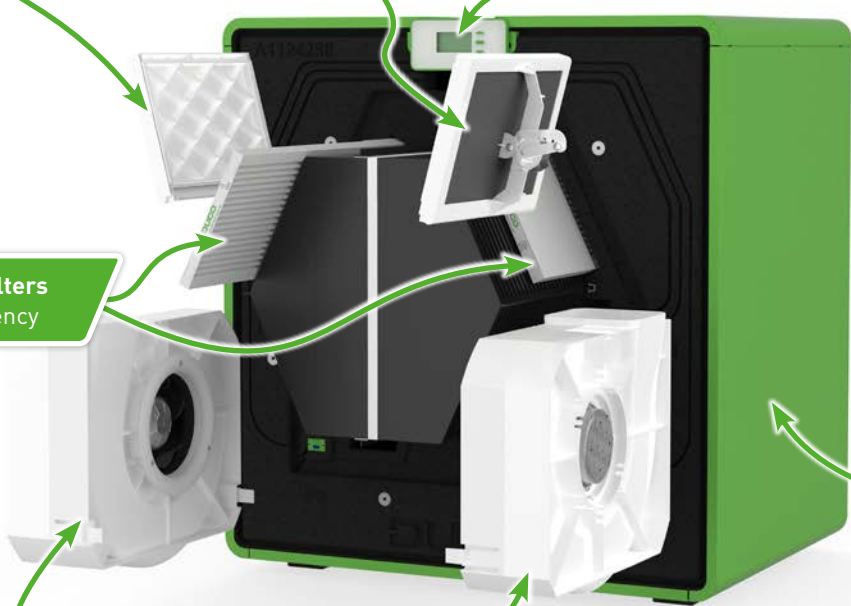


Dynamic Airflow Filters
for maximum efficiency

Comfort Plus with acoustic jacket = **10 dB quieter!**

Low power consumption due to energy-efficient **EC motors**

Smart demand control based on CO₂ and/or humidity measurement



MAKING LIFE **EASY** FOR INSTALLERS

Save time = Save Money

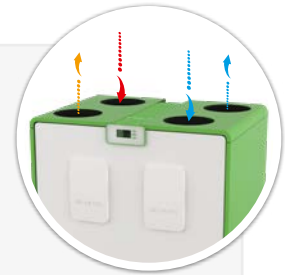


Based on the principles of constant pressure calibration, **auto-calibration** saves 50% on adjustment time. This quickly means a **saving of € 30 on the installation cost** for a standard calibration!

Want to save even more time and money? This is possible thanks to the handy **copy function**. By integrating a copy function into the software, it is possible to take over the settings within similar houses in **serial construction**. This results in an **additional saving of € 15 per installation**.



Left/right exchangeable



This unit is very user-friendly because **physical interventions are not necessary**.

The left/right exchange is **100% software-based** thanks to the patented principle of the double by-pass.

Compact external 2-zone



The external 2-zone valve controls based on CO₂ and provides ventilation only where and when necessary. The supply flow rate can be calculated up to **785 m³/h** thanks to the 70% rule.

Duco Installation App



The new Duco Installation App ensures perfect calibration of the ventilation system. Moreover, the app lets you prepare an official ventilation report in no time.

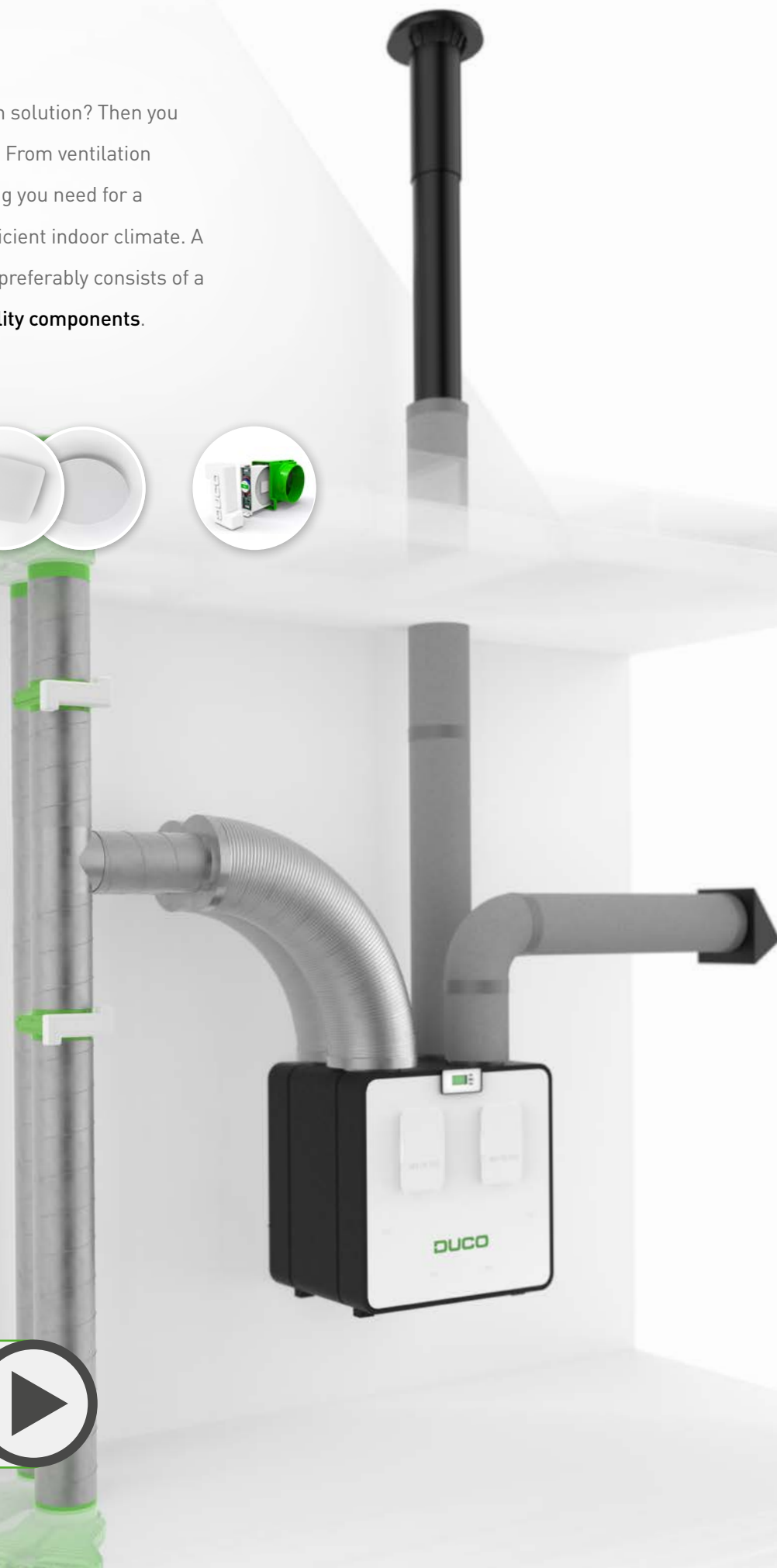
Acoustic damping



The acoustic jacket ensures quieter operation of the system. The result? Extra attenuation up to 10 dB. Silent and acoustic ventilation guaranteed.

TOTAL VENTILATION SOLUTION

Are you looking for a total ventilation solution? Then you would rather just go to one address. From ventilation boxes to valves. DUCO has everything you need for a healthy, comfortable and energy-efficient indoor climate. A well-functioning ventilation system preferably consists of a complete installation with **high-quality components**.



SCAN &
DISCOVER



DUCOBOX ENERGY COMFORT (PLUS) IN FIGURES

Physical characteristics


Width x Height x Depth (mm)	Comfort D325: 700 x 705 x 525 mm Comfort D400: 756 x 800 x 584 mm Comfort Plus D350/450/550: 760 x 803 x 584 mm
Casing:	Coated sheet steel + EPP
Colours:	Comfort D325/400: White + black Comfort (Plus) 350/450/550: White + green
Connections:	Inner diameter D325: Ø 160 mm Inner diameter D400/350/450/550: Ø 180 mm
Condensate drain:	Ø 32 mm (1 1/4") (2x)
Heat exchanger:	V1: PP V2: PET/alu
Material inner part:	EPP / PP / ABS
Weight:	D325: 21 kg D400: 31 kg D350/450/550: 47 kg
Power cable length:	2 m (from top of unit)
Mounting:	Wall mounting (standard) Floor mounting as an option using a support frame

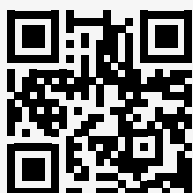
Electrical characteristics

Electrical power:	D325: 130 W (2 x 65 W) D400: 150 W (2 x 75 W) D350: 120 W (2 x 60 W) D450: 200 W (2 x 100 W) D550: 280 W (2 x 140 W)
Electrical power supply:	230 V, 50 Hz via 3-core power cable with earthed plug
Type of motor:	DC
Efficiency: Ref. Delegated Regulation (EU) n° 1253/2014	D325: 89% D400: 87,9% D350: 88,9% D450: 87,8% D550: 84,7%

Miscellaneous characteristics

Energy class:	With 2 sensors (control factor 0.65): A+ Other: A
Filters:	Dynamic airflow filter supply air Standard: Coarse 65 % (= G4) Option: ePm1 55% (=F7) Dynamic airflow filter exhaust air Standard: Coarse 65 % (= G4)
Summer by-pass:	Fully (100% modulating)
Frost protection:	Imbalance
Fans:	EC fan with backward curved blades
Automatic calibration:	Yes (constant pressure)
Constant flow regulation:	Yes
Passive cooling control:	Yes
Cold recovery:	Yes
Operation:	Integrated display Use via remote controls and CO ₂ or Humidity Sensors
Sensors:	Integrated: pressure, temperature, onboard switch sensor External: CO ₂ (via optional Room sensor), Humidity (via optional Room sensor or measurement in ETA duct), external Switch Sensor (voltage-free input) (optional)
Communication:	Standard: Duco RF, Duco Wired, Switch Sensor Expandable with Duco Connectivity Board: connection possible via REST API (locally or via the cloud) or Modbus TCP

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D325	0000-4658
D400	0000-4757
D350	0000-4758
D450	0000-4759
D550	0000-4923



Acoustic values and SAP results

SAP results 2005 and 2012 + Sound data (supply, extract and breakout) available according to standards ISO 5135:2020 for the various models, see technical data sheets on our website:

en.duco.eu/comfort-plus

SERVICE PLEASE!

ADVISORY OFFICE Tailored advice

Thanks to years of know-how in the field of ventilation, DUCO's design department has all the expertise in house to offer the installation best suited to your project. In addition to tailored advice, it is also possible to request a **layout plan for the ventilation ducts** for each project. For this purpose please contact your trusted DUCO distributor or DUCO contact, or submit your project via the website:

www.duco.eu/yourproject



HELPDESK

Allow yourself to be supported

Your DUCO dealer is available to provide you with **support for all possible practical challenges**. If you need support during design or installation, feel free to consult them: their experts are trained by DUCO.

info@duco.eu

DUCO CATALOGUE Your guide to ventilation systems

Are you looking for a user-friendly tool to guide you quickly and simply through **DUCO's Demand-Controlled Ventilation Systems and associated components**? If so, the DUCO catalogue is the ideal solution. It brings together the latest information accurately in a single document!

www.duco.eu/catalogue



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