I.09

Domestic
ventilation
systems

DC-RENO

DUCO

DUCO
Ventilation & Sun Control

Duco Reno System type DC-RENO

The **Duco Reno System** is an easy-to-install demand-driven ventilation system and ensures natural air supply via self-regulating grilles in the façade and a mechanical discharge of contaminated air via the exhaust fan.

This, in combination with the minimal investment, makes this system very suitable for renovation.

The CO_2 and humidity sensor (RH) are connected directly in the device with connectors.

Application

- The ventilation demand of the **Duco Reno System** is determined as standard on the basis of the air quality (CO_2) and the relative humidity rate (RH). The system uses manual air grilles (P3)
- The system measures directly in the air flow at the inlet of the device by means of a CO_2 probe and a humidity probe. Each toilet is fitted with a presence detection (**switching contact**)
- **The Ducobox Silent (Connect)** mechanical exhaust unit provides central exhaust for humid or stale air

Composition

The basic kit contains the following components:
- CO2 probe, type **DC-SENBOX CO2**
- Humidity sensor with wireless communication, type **DC-SENBOX RH**
- Presence detection (switching contact) with wireless communication, type **DC-SC RF230** (toilet)
- Remote control, type **DC-CV BAT**

Accessories

Required for installation:
- DucoBox type **DC-BOX SILENT CONNECT**

Optional:
- In the case of a second toilet: Presence detection (switching contact) with wireless communication, type **DC-SC RF230**
- 2nd remote control, type **DC-CV**
- Panties, type **DC-ADAP**

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Examples of configurations				
Supply			Living room, bedroom(s) and dry rooms: self-regulating grid (P3)	
Control	CO$_2$ measurement living room / open kitchen		CO$_2$ room (DC-SEN CO2) or box sensor (DC-SENBOX CO2)	
	CO$_2$ measurement of bedroom(s) / dry rooms	x	CO$_2$ room sensor (DC-SEN CO2) in master bedroom	
	Bathroom moisture measurement		Moisture room (DC-SEN RH) or box sensor (DC-SENBOX RH)	
	Moisture measurement washing and drying place		Moisture room (DC-SEN RH) or box sensor (DC-SENBOX RH)	
	Toilet		Switch contact (DC-SC RF230)	
	Control switch		Drain (DC-CV)	
Transit			DoorVent (DC-DV 70)	
Drain			DucoBox Silent Connect (non-local regulation)	
F$_{reduc,vent}$	Valid for building application from 01/01/2015	0.87*	0.85*	
* Flat rate table				
** Subject to changes in legislation				

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Duco **Reno** Sys

Welke componenten zijn vereist?

f_{reduc} **heat**	f_{reduc} **cool**	f_{reduc} **overheat**	**Verplichte componenten**
Niet EPB-plichtig			

Optionele componenten voor extra comfort van de bewoner of installateur

BEDIENING — minstens één bediening per systeem (plaats vrij te kiezen) of bediening via Duco Ventilation App

CO₂ — CO_2

VOCHT

7 Enkel bij badkamer met wc

BADKAMER — 50 m³/h

MASTER BEDROOM — MANUEEL ROOSTER

ANDERE VOCHTIGE RUIMTES — 50 m³/h

EXTRA SLAAPKAMERS — MANUEEL ROOSTER

ANDERE DROGE RUIMTES Bureel, hobbyruimte — MANUEEL ROOSTER

7

TOILET — 25 m³/h

WOONKAMER / OPEN KEUKEN — 75 m³/h — MANUEEL ROOSTER

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