



Discover the future of Domestic VENTILATION



SODAC Distribution Ltd.,
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INNOVATION IN INDOOR AIR QUALITY

WELCOME TO SODAC DISTRIBUTION Ltd



SODAC Distribution was established to provide specialist ventilation products for the construction industries in the residential and commercial sectors.

From our distribution head office in Navan we operate across Ireland, Northern Ireland and the UK and provide ventilation systems, ducting and accessories.

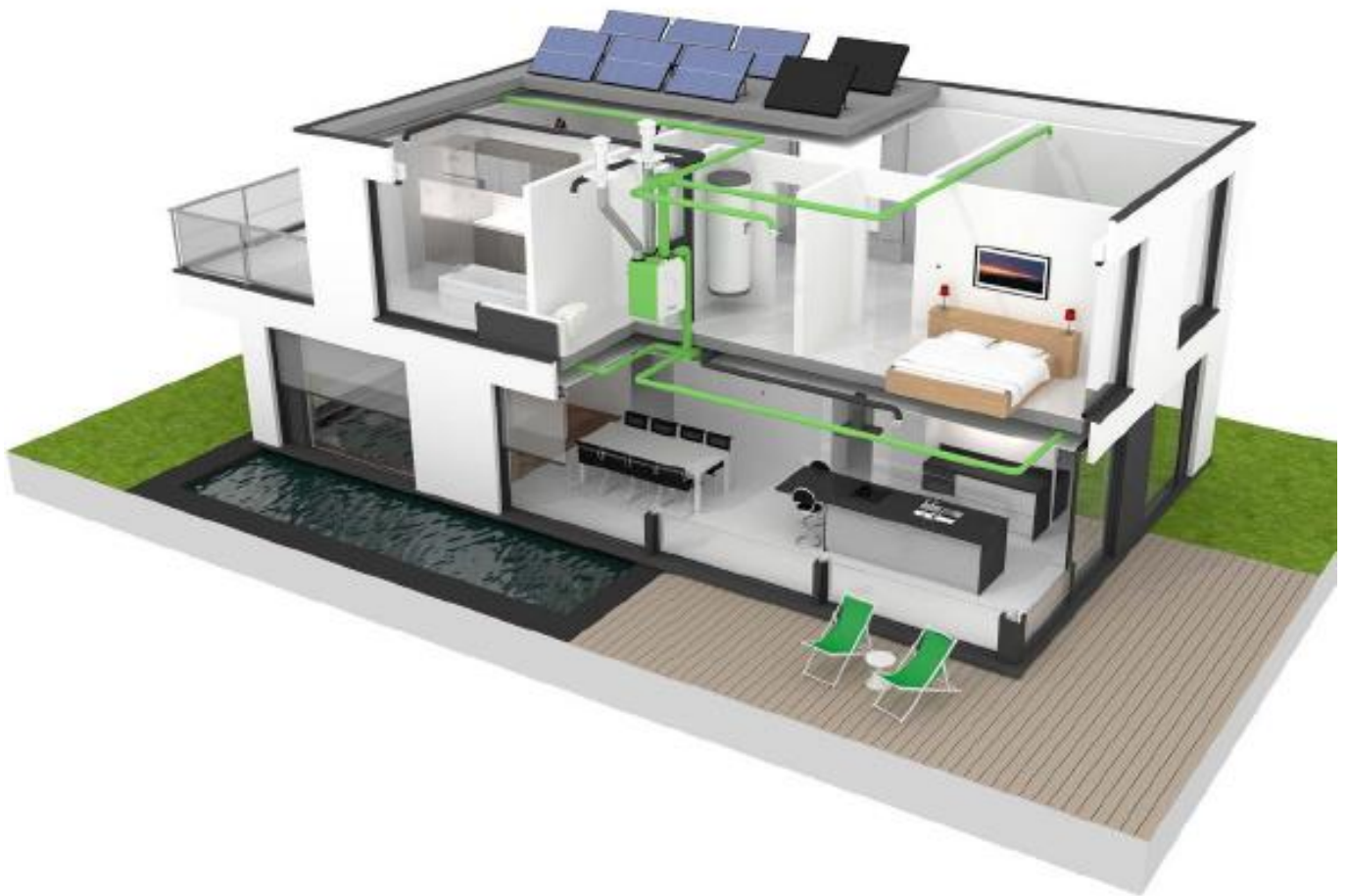
We understand as distributors that customer service and sales are key and meeting the needs of our clients is vitally important to us.

SODAC Distribution have a fully trained sales team and dedicated accounts management to ensure we provide a quality product at a competitive price.

VENTILATION SYSTEMS

Heat Recovery Ventilation (MVHR)

The main appeal of Heat Recovery Ventilation Systems (MVHR) is the supply of warm, fresh, filtered air to all habitable rooms and the extraction of moist stale air from wet rooms such as the kitchens and bathrooms. The benefits of heat recovery stretch beyond just simple energy savings. By reducing humidity and condensation, which can cause health problems and affect the building fabric, it greatly improves the indoor air quality and wellbeing of the occupants.



Home of Oxygen

DucoBox Energy¹

The DucoBox Energy is Europe's quietest heat recovery ventilation system. The system has demand control capabilities with built-in humidity or CO₂ sensors or localised room sensors.

The option of a 2-zone system further improves the efficiency of the entire system. Optimum energy-efficiency is achieved by controlling the day and night zones independently via a built-in valve.



The DucoBox Energy is available in a left-hand option (bevelled side left) and right-hand option (bevelled side right). On the bevelled side, an exhaust duct and supply duct are connected to the house. These units also come in the 1-Zone and 2-Zone options.

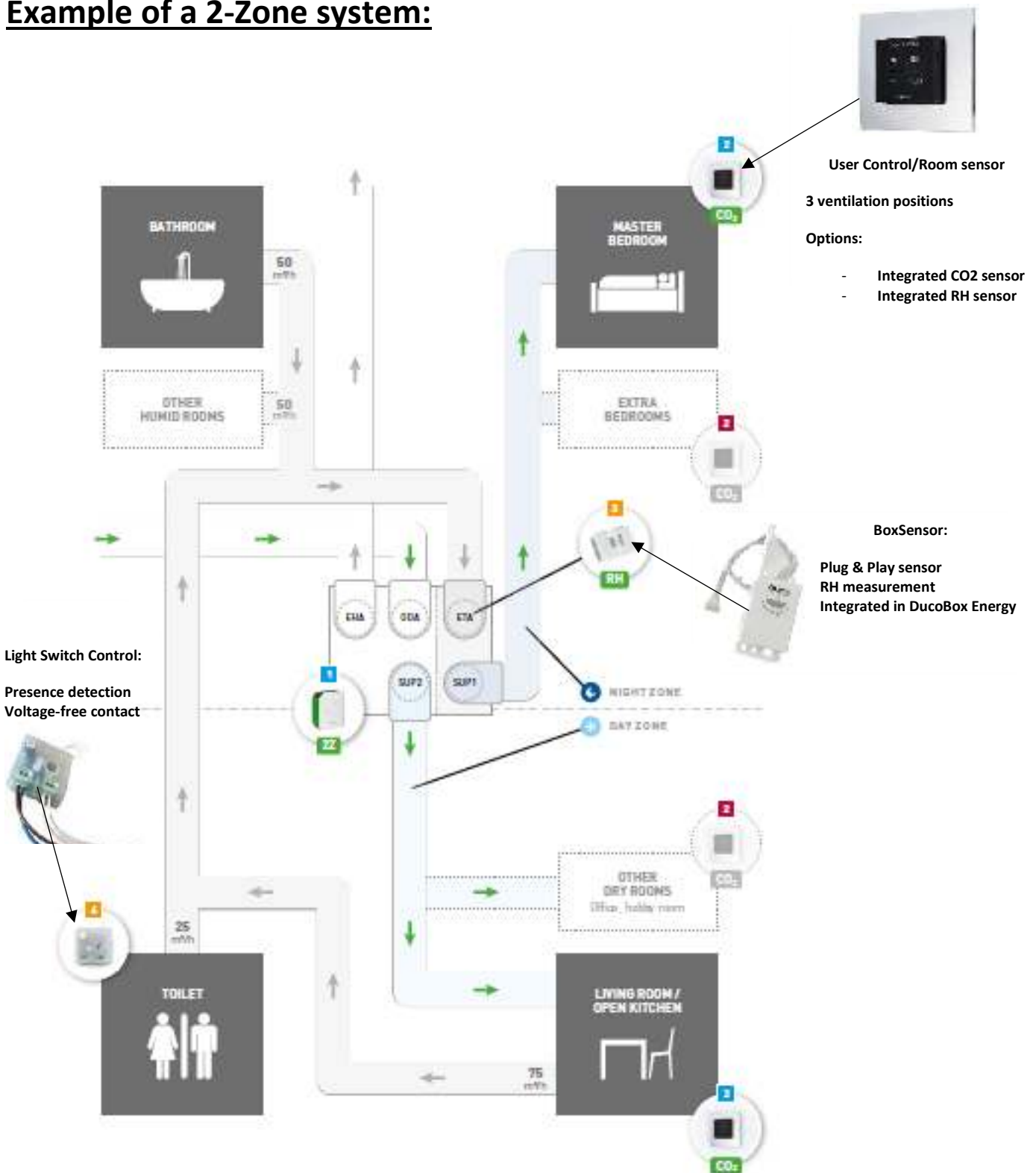
The DucoBox Energy comes in the following sizes:

- 325 (325 m³/h @150Pa)
- 400 (400 m³/h @150Pa)

¹ Please check DUCO Catalogue for more information, options and accessories.

Discover the Future of Ventilation

Example of a 2-Zone system:





Systemair SAVE Range

If the ventilation unit is the “heart” bringing fresh and clean air into your home, then the control system is the “brain”. SAVE is a range of high efficiency and low energy units certified by Eurovent. SAVE Controls is the new control system that makes it simple and easy to control your indoor air with only a few touches.



With a unique touch display and a completely new App² for your smartphone, you have full control over your ventilation at home no matter where you are. This will give you and your family the best possible indoor air in all situations, while also helping you to save energy.

Systemair SAVE VSR 300/500



The Save VSR 300/500 is a heat recovery ventilation unit with a highly efficient rotating heat exchanger. The Save VSR 300/500 is suitable for houses with up to 240/400m². It supplies filtered outdoor air to habitable areas (living/bedrooms) and extracts air from the bathroom, kitchen and other wet rooms. Both models come with a 1670W installed reheater battery.

² To use this app, you need an Internet Access Module (IAM).

Systemair SAVE VTR 300/500/700

The Systemair SAVE VTR range is a heat recovery ventilation unit with a highly efficient rotating heat exchanger. It supplies filtered outdoor air to habitable areas and extracts air from bathrooms, kitchens and other wet rooms. It is equipped with a 1670W electrical pre-heater battery and there are two model options, right (R) and left (L).



Save VTR 300 is suitable for houses with up to 240m².

Save VTR 500 is suitable for houses with up to 400m².

Save VTR 700 is suitable for houses with up to 550m².

Systemair SAVE VTC 200/300/500/700 L/R

The Systemair SAVE VTC range is a heat recovery ventilation unit with a built-in counter flow heat exchanger. It supplies filtered outdoor air to habitable areas and extracts air from bathrooms, kitchens and other wet rooms and there are two model options, right (R) and left (L).



Save VTC 200 is suitable for houses with up to 160m².

Save VTC 300 is suitable for houses with up to 240m².

Save VTC 500 is suitable for houses with up to 400m².

Save VTC 700 is suitable for houses with up to 550m².

Demand Control Ventilation (DCV)

DCV is an intelligent ventilation method that ensures good indoor air quality, saves energy and consists of sensors, controllers and ventilation fans. The sensors continuously measure and monitor indoor air quality and provide real time feedback to the controller. The controller conveys the sensor information to the fans, adjusting the rate of ventilation according to what is happening in each room.

The extracts fans, which are barely audible, are placed in the attic spaces or utility rooms and are connected via ducts to extract grilles in wet rooms (Kitchen, bathroom, utility). Air comes into the house through passive or humidity sensitive wall vents or window vents in the habitable rooms (bedrooms, living rooms).



DucoBox Silent



Co2/Humidity Boxsensors



DucoBox

The DucoBox is at the very heart of Duco's Demand-Controlled Natural Ventilation Systems (DCNVS) and thus delivers ideal air quality in every room!

In order to be able to offer a solution for every situation, this powerful central extract unit is available in two variants: the whisper-quiet DucoBox Silent **Connect** and the intelligent DucoBox **Focus**, which provide central and zonal air extraction respectively.

Intelligent App Control

Thanks to the Duco Ventilation App, coming home to a poorly ventilated living environment is now a thing of the past. With its efficient, simple and user-friendly operation, Duco's new app for smartphones and tablets gives all installers maximum support during the configuration and maintenance of an installed ventilation box, saving them both time and money!

Key to this process is the Communication Print (PCB)³, which is supplied with the DucoBox Silent Connect or DucoBox Focus as an option. At first sight, this PCB may appear to be a rather opaque piece of technology, but it actually creates the connection to the Duco Ventilation App.



THE BENEFITS FOR YOU?

- Efficient readout of parameters of the chosen ventilation system
- Live air-quality measurement
- Rapid changing of settings
- Automatic problem detection
- User-friendly installation wizard
- Time-saving thanks to automatic installation and generation of ventilation report
- Simple transfer of ventilation box configuration to a new home in a single operation
- Healthy, comfortable and energy-efficient indoor climate 100% guaranteed.

³ Printed Circuit Boards

DucoBox Silent Connect⁴

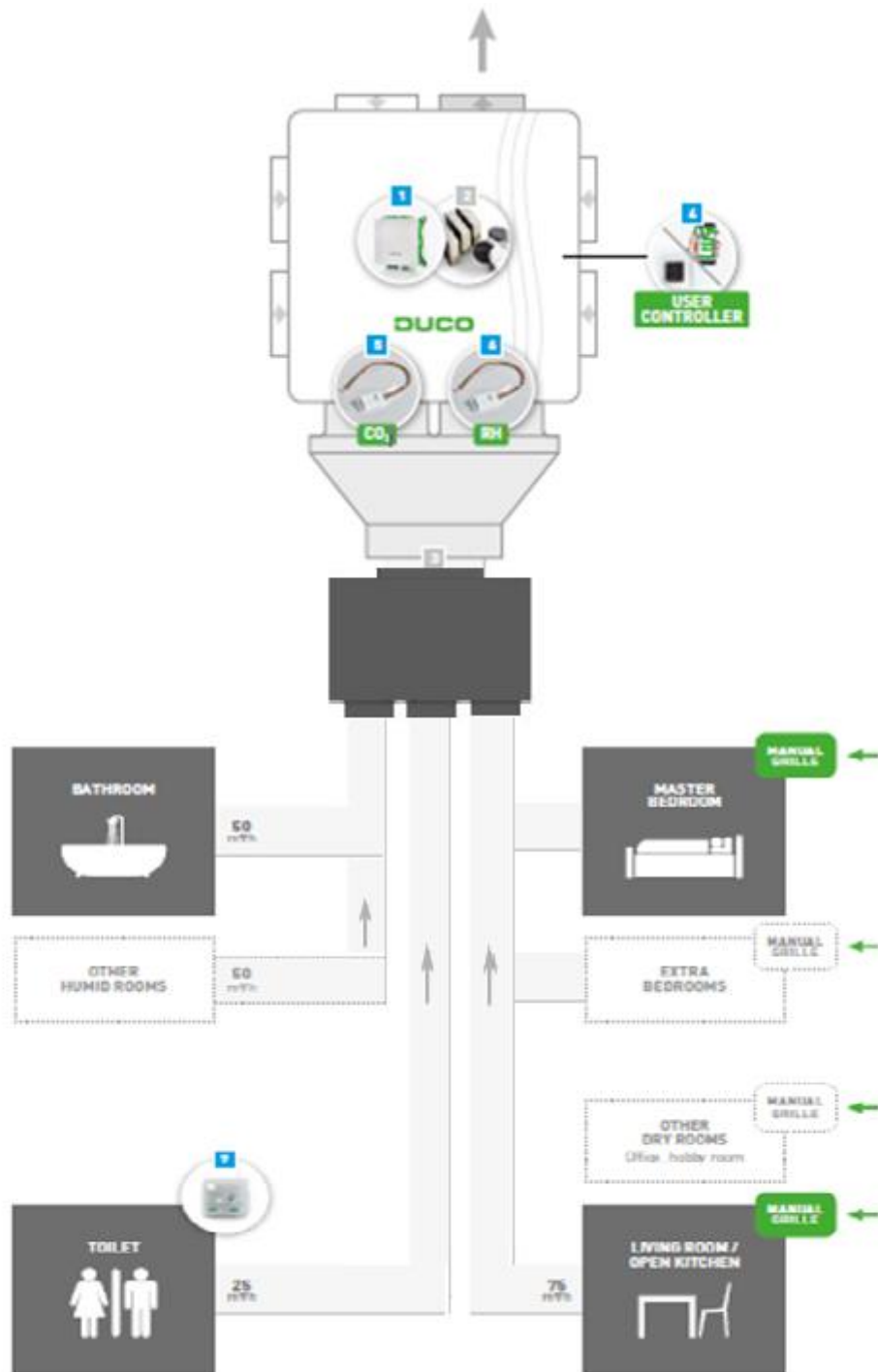
The DucoBox Silent **Connect** is an extraction unit that provides non-local extraction within Duco's demand-driven natural ventilation Systems. The DucoBox Silent Connect is both the driver of the system and the master unit to which control components can be paired.

This quiet, compact, durable and extremely energy-efficient extractor fan extracts moist and/or stale air as required and at the correct rate. Simple design and an efficient DC motor ensure long service life.



⁴ Please check DUCO Catalogue for more information, options and accessories.

Example of the DucoBox Connect System:



DucoBox Focus⁵

The DucoBox Focus is an extraction unit that provides zonal extraction within Duco's Demand-Controlled Natural Ventilation Systems (DCNVS). The DucoBox Focus is both the driver of the system and the master unit to which control components can be paired.

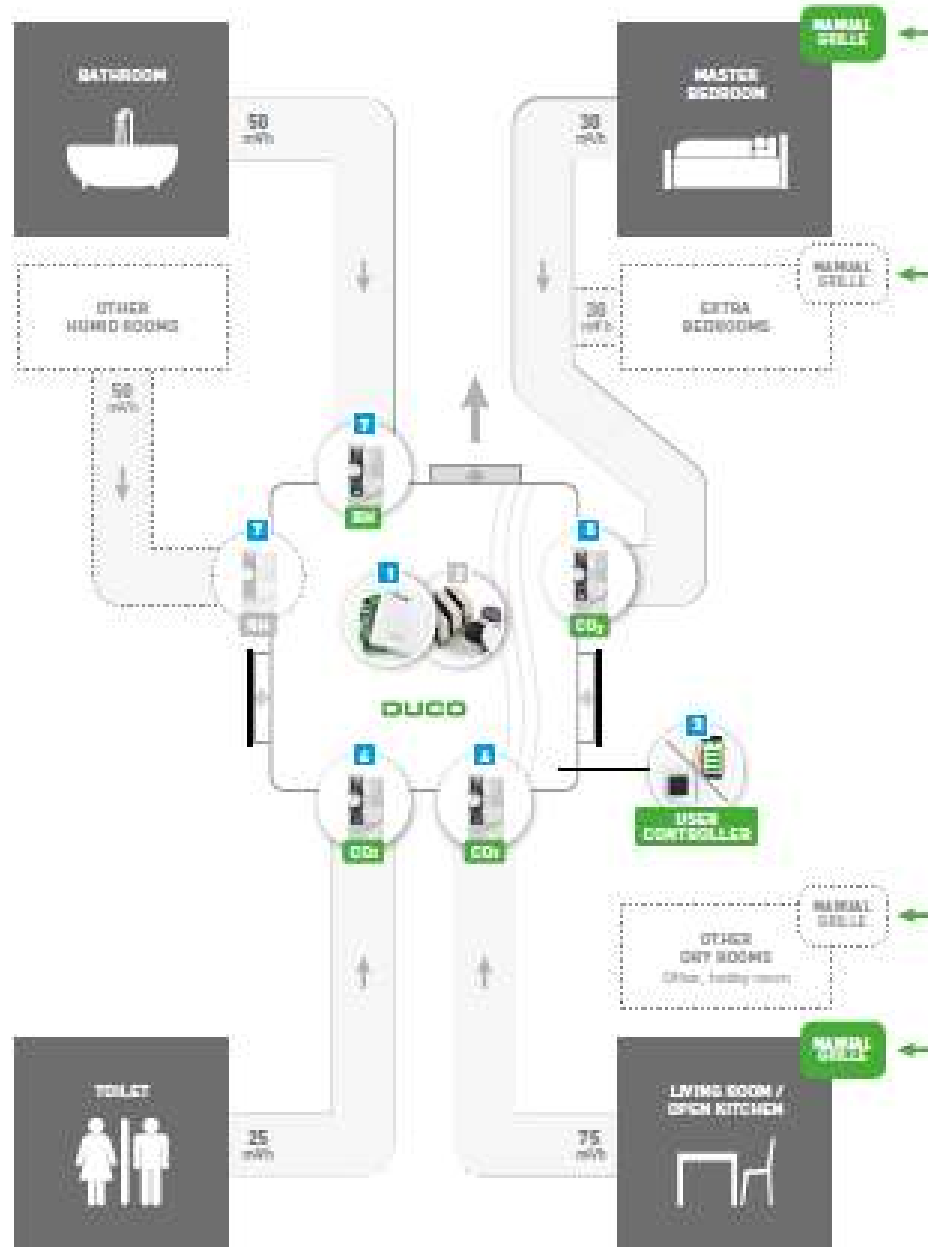
This quiet, compact, durable and extremely energy-efficient extractor fan extracts moist and/or stale air as required and at the correct rate. Integrated control valves (which can be ordered separately) also ensure that air is extracted only where needed, resulting in quieter and energy-efficient operation. Simple design and an efficient DC motor ensure long service life.



[Check out SODAC Distribution website for the latest videos of the Duco ventilation system range.](#)

⁵ Please check DUCO Catalogue for more information, options and accessories.

Example of the DucoBox Focus System:





KLIMAFLEX SB

Semi-Rigid Radial ducts for air-distribution systems

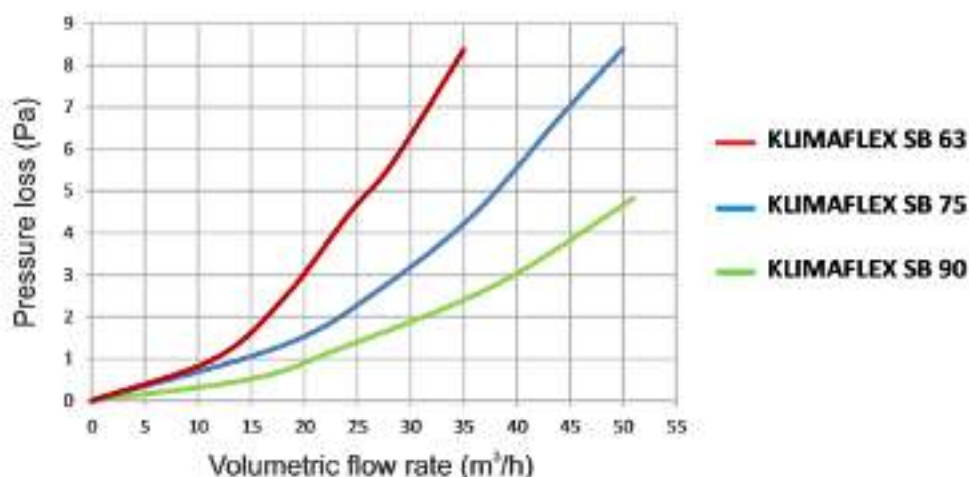
KLIMAFLEX SB semi-rigid radial ducts are designed for air-distribution equipment and ventilation systems. The inner walls of the ducts are treated with a protective antibacterial and antifungal coating, which ensures hygienic protection against bacteria and mould. The ends of the rolls are fitted with caps to prevent dirt from getting into the ducts.

The design and properties of **KLIMAFLEX SB** semi-rigid radial ducts assure perfect transport of air and low-pressure losses.

The ducts are designed in accordance with CSN EN 61386-24. They are tested pursuant to CSN EN ISO 846:98, methods A, C. Compression test at 450 N/200 mm.

outer diameter	inner diameter	bend radius	roll length
mm	mm	m	m
63	51	0,26	50
75	61	0,29	50
90	75	0,33	50
160	136	0,43	50
200	171	0,50	25

Pressure loss diagram / 1m



KLIMAFLEX SB SAP Appendix Q Certified

The **KLIMAFLEX SB** semi-rigid radial system has been tested by the BRE (Building Research Establishment) and is registered on the SAP Appendix Q Register.

The below test results indicate that under the BRE testing conditions, the **KLIMAFLEX SB** system performed to an equal or better standard than that of the traditional rigid “tee’d” ducting system.

Copies of certification can be provided on request.

Normalised comparative results at minimum flow rate condition. SAP 2013 air flow rates. Single duct on all supply legs. Single duct on all extract legs.

Exhaust terminal configuration	Fan speed setting	Total flow supply rate (l/s)	Total exhaust flow rate (l/s)	Specific fan power Rigid duct (normalised)	Specific fan power Semi-Rigid duct (comparative)
Kitchen + 1 additional wet room	100% variable	21.0	21.0	1.0	Equal
Kitchen + 2 additional wet rooms	100% variable	29.0	29.0	1.0	Better
Kitchen + 3 additional wet rooms	100% variable	37.0	37.0	1.0	Better
Kitchen + 4 additional wet rooms	100% variable	45.0	45.0	1.0	Better
Kitchen + 5 additional wet rooms	100% variable	53.0	53.0	1.0	Better

Material

- Outer wall made from PE-HD.
- Inner wall made from PE-LD + antibacterial and antifungal additive (Ø 63mm) or from PE-HD + antibacterial and antifungal additive (Ø 75 – 200mm).



- The KL [\(flat\)](#) and RT [\(direct\)](#) types of distribution boxes ([KLIMAFLEX SB](#) semi-rigid radial [Air Duct Accessories](#)) are standardly equipped with an **Ultra-Fresh®**, antibacterial internal insulation layer, which effectively acts against unwanted bacteria and fungi.

Ducts colours

- Outer wall – blue or green.
- Inner wall – grey or white.

Temperature resistance

- Installation temperature: of -5°C to +50°C
- Operation temperature: of -20°C to +50°C
- Storage temperature: of -40°C to +60°C

Packaging

- Individual rolls wrapped in protective PE.

Handling

- The low weight of **KLIMAFLEX SB** semi-rigid radial ducts makes them easy to transport and simple to install.

Transport

- When loading and unloading the pipes, it is essential to prevent any mechanical damage or distortion of the semi-rigid radial ducts.

Storage

- Rolls must be stored in a horizontal position up to a max. height of 2m and only for the shortest time necessary, maximum 3 months.
- The ducts must be kept out of direct sunlight.



We do not guarantee that our products will be compatible with another company's products!

ACCESSORIES 75

KLO-2x75/125-OC

Pass-through ceiling / Wall box for DN 125 air valve



Material: galvanised steel

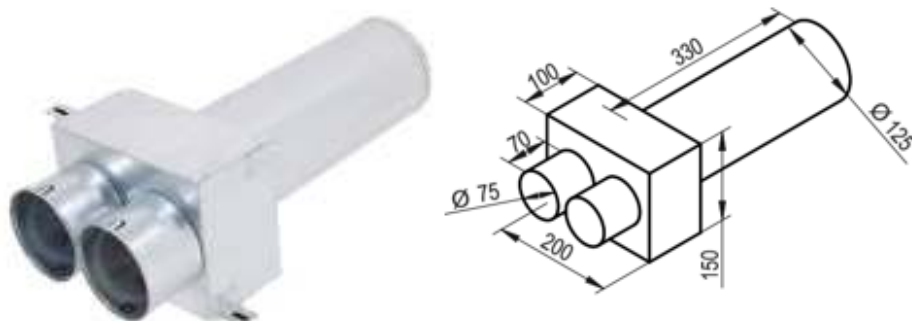
Supplied components:

- DN 125 plug
- Installation fixtures
- Safeguards against movement of the semi-rigid radial ducting
- 2 DN 75 sealing rings

Airflow speed m/s	2	2,5	3
Volume m³/h (1x75)	21	26	32
Volume m³/h (2x75)	42	52	64

KLO-2x75/P-125-OC

Pass-through flat ceiling / Wall box for DN 125 air valve



Material: galvanised steel

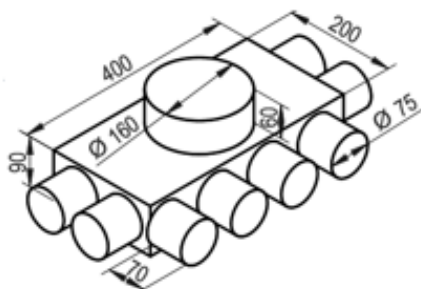
Supplied components:

- DN 125 plug
- Safeguards against movement of the semi-rigid radial ducting
- 2 DN 75 sealing rings

Airflow speed m/s	2	2,5	3
Volume m³/h (1x75)	21	26	32
Volume m³/h (2x75)	42	52	64

KL-8x75/160-OC

Flat distribution box



Material: galvanised steel

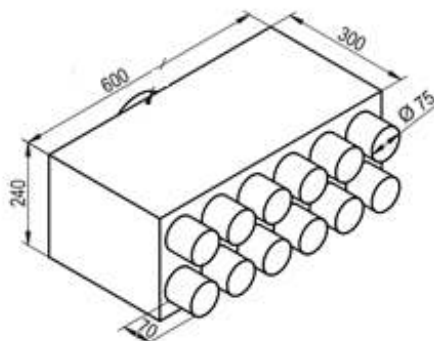
Supplied components:

- DN 160 seal O -ring
- Installation fixtures
- Safeguards against movement of the semi-rigid radial ducting
- 8 DN 75 sealing rings
- Interior box insulation

Airflow speed m/s	2	2,5	3
Volume m ³ /h (8x75)	168	208	256

RT2R-12x75/200-OC

Direct distribution box



Material: galvanised steel

Supplied components:

- DN 200 seal O-ring
- Installation fixtures
- Safeguards against movement of the semi-rigid radial ducting
- 12 DN 75 sealing rings
- Interior box insulation
- Inspection hatch

Airflow speed m/s	2	2,5	3
Volume m ³ /h (12x75)	252	312	384

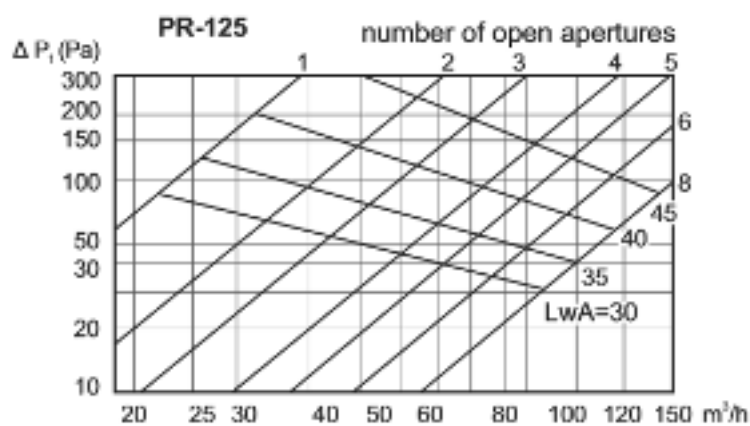
RP-125

Flow-through regulator with DN 125 damper



Special damping foam.

The air flow-through is regulated by means of the number of open apertures.



Damping of dB in frequency band (Hz)

Type	Number of open apertures	63	125	250	500	1000	2000	4000	8000
RP-125	2	5	6	5	5	12	13	19	21
	5	2	2	2,5	3	8,5	8	14	19

ACCESSORIES 90

KLO-1x90/125-OC

Pass-through ceiling / Wall box for DN 125 air valve



Material: galvanised steel

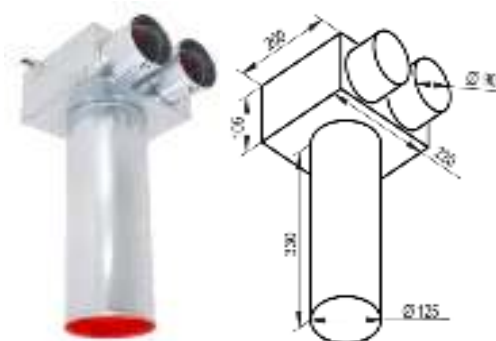
Supplied components:

- DN 125 plug
- Installation fixtures
- Safeguards against movement of the semi-rigid radial ducting
- 1 DN 90 sealing ring

Airflow speed m/s	2	2,5	3
Volume m³/h (1x90)	32	40	48

KLO-2x90/125-OC

Pass-through ceiling / Wall box for DN 125 air valve



Material: galvanised steel

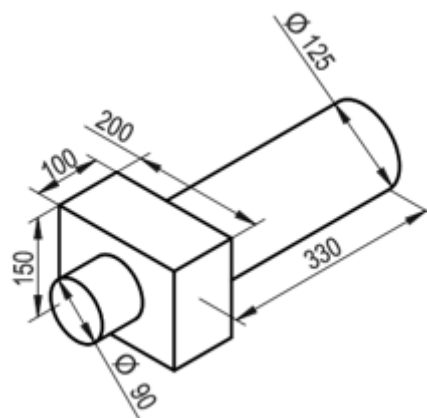
Supplied components:

- DN 125 plug
- Installation fixtures
- Safeguards against movement of the semi-rigid radial ducting
- 2 DN 90 sealing rings

Airflow speed m/s	2	2,5	3
Volume m³/h (1x90)	32	40	48
Volume m³/h (2x90)	64	80	96

KLO-1x90/P-125-OC

Pass-through flat ceiling / Wall box for DN 125 air valve



Material: galvanised steel

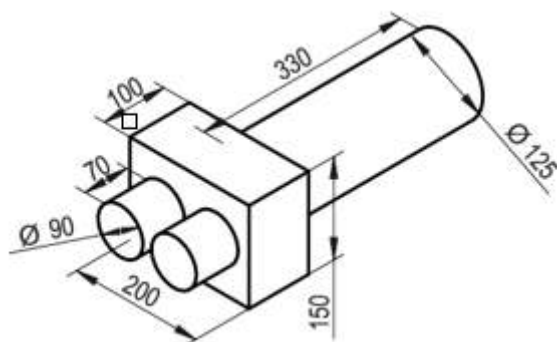
Supplied components:

- DN 125 plug
- Installation fixtures
- Safeguards against movement of the semi-rigid radial ducting
- 1 DN 90 sealing ring

Airflow speed m/s	2	2,5	3
Volume m³/h (1x90)	32	40	48

KLO-2x90/P-125-OC

Pass-through flat ceiling / Wall box for DN 125 air valve



Material: galvanised steel

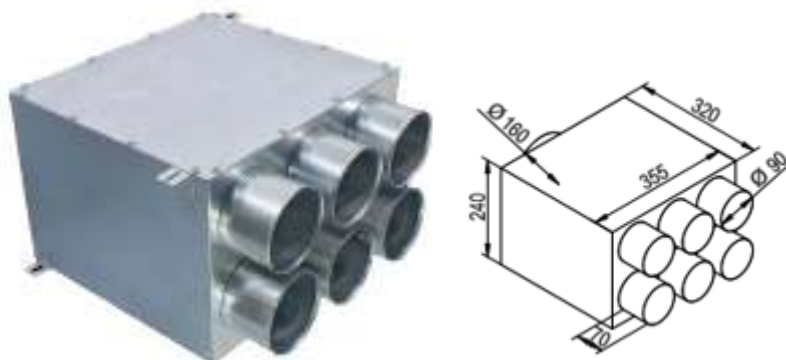
Supplied components:

- DN 125 plug
- Installation fixtures
- Safeguards against movement of the semi-rigid radial ducting
- 2 DN 90 sealing rings

Airflow speed m/s	2	2,5	3
Volume m³/h (1x90)	32	40	48
Volume m³/h (2x90)	64	80	96

RT2R-6x90/160-OC

Direct distribution box



Material: galvanised steel

Supplied components:

- DN 160 seal O-ring
- Installation fixtures
- Safeguards against movement of the semi-rigid radial ducting
- 6 DN 90 sealing rings
- Interior box insulation
- Inspection hatch

Airflow speed m/s	2	2,5	3
Volume m³/h (6x90)	192	240	288

KLQ-12x90/160-OC

Flat distribution box



Material: galvanised steel

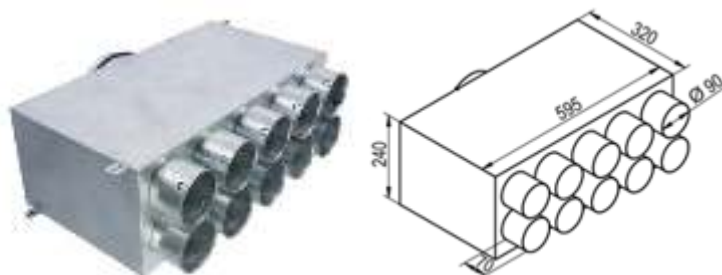
Supplied components:

- DN 160 seal O-ring
- Installation fixtures
- Safeguards against movement of the semi-rigid radial ducting
- 12 DN 90 sealing rings
- Interior box insulation

Airflow speed m/s	2	2,5	3
Volume m³/h (12x90)	384	480	576

RT2R-10x90/200-OC

Direct distribution box



Material: galvanised steel

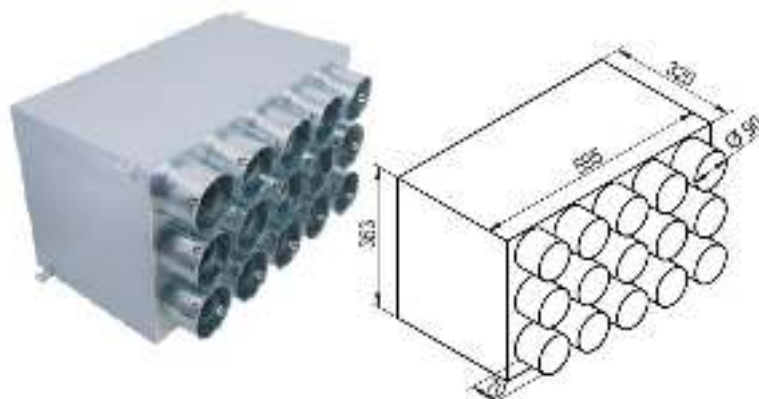
Supplied components:

- DN 200 seal O-ring
- Installation fixtures
- Safeguards against movement of the semi-rigid radial ducting
- 10 DN 90 sealing rings
- Interior box insulation
- Inspection hatch

Airflow speed m/s	2	2,5	3
Volume m³/h (10x90)	320	400	480

RT3R-15x90/200-OC

Direct distribution box



Material: galvanised steel

Supplied components:

- DN 200 seal O-ring
- Installation fixtures
- Safeguards against movement of the semi-rigid radial ducting
- 15 DN 90 sealing rings
- Interior box insulation
- Inspection hatch

Airflow speed m/s	2	2,5	3
Volume m³/h (15x90)	480	600	720

ACCESSORIES KLIMAFLEX SB

End caps, connecting sleeves, sealing rings, self-adhesive tape, shrink-seal connector

End cap for semi-rigid radial ducting



Material: PE-HD

For pipe dimensions DN	63	75	90
Order code	ZA-63	ZA-75	ZA-90

Exterior connector + Sealing ring for connecting the semi-rigid radial ducting



Material: PP

For pipe dimensions DN	63	75	90
Order code	ZV-63	ZV-75	ZV-90

Material: EPDM

For pipe dimensions DN	63	75	90
Order code	UV-63	UV-75	UV-90

End cap for box outlets



Material: PE-HD

For pipe dimensions DN	63	75	90
Order code	ZAB-63	ZAB-75	ZAB-90

Sealing rings for connecting the semi-rigid radial ducting to the box



Material: EPDM

For pipe dimensions DN	63	75	90
Order code	UVB-63	UVB-75	UVB-90

Pipe Brackets



The wall-brackets are used to fix semi-rigid radial pipe.
They are easy to assemble and disassemble, allowing for pipe dilation.
Made of PP/PA, max thermal resistance 90°C.

For pipe dimensions DN	75	90
Order code	110/5P	110/90P

THE ADVANTAGE OF USING KLIMAFLEX ACCESSORIES AND PIPES:

- Speed and simplicity of installation
- Adaptability to the type of installation
- Increased flexibility while retaining mechanical durability
- Low weight
- Easy modification of pipe length
- Anti-bacterial and anti-fungal treatment applied to the interior of the pipe
- Low acquisition costs compared to other types of distribution systems
- Uniform air distribution
- Low pressure losses in the pipeline
- Sleeves for connecting the pipes to the boxes are included in the delivery
- No material losses or left-over pipes can be used by inserting a connector

Recommendations:

- The available pressure must be verified on long routes (over 15m)
- Secure connections between the boxes and the pipes using air-tight tape
- Recommended maximum air-flow speed up to 3m/s
- Protect the ends of pipes against dust and dirt by fitting end caps (included in the delivery) after installation and before starting operation
- Projects and installation should be realised according to the relevant building regulations and guidelines valid at the site of installation
- The maximum distance anchoring strips when installing beneath the ceiling is 1,000 mm
- Condensate removal must be resolved when distributing moist air
- Insulate pipeline (insulation thickness 20mm)
 - a) If the pipeline is used to carry cooled air and leads through a warm room
 - b) If the pipeline leads through a space with a lower temperature than the temperature of the transported air – the heat-loss requirements of the relevant standards (the thermal conductivity of the pipe wall is approx. 0.28 – 0.30 W/mK, thermal resistance is approx. 0.034-0.040 m² K/W)

AIR FLOW RATE

Air flow rate / KLIMAFLEX SB DN 63			
Air-flow speed	2 m/s	2,5 m/s	3 m/s
KLIMAFLEX SB DN 63	14,7 m ³ /h	18,4 m ³ /h	22,1 m ³ /h
KLIMAFLEX SB DN 63	29,4 m ³ /h	36,8 m ³ /h	44,2 m ³ /h
KLIMAFLEX SB DN 63	44,1 m ³ /h	55,2 m ³ /h	66,3 m ³ /h

Air flow rate / KLIMAFLEX SB DN 75			
Air-flow speed	2 m/s	2,5 m/s	3 m/s
KLIMAFLEX SB DN 75	21,0 m ³ /h	26,3 m ³ /h	31,6 m ³ /h
KLIMAFLEX SB DN 75	42,0 m ³ /h	52,6 m ³ /h	63,2 m ³ /h
KLIMAFLEX SB DN 75	63,0 m ³ /h	78,9 m ³ /h	94,8 m ³ /h

Air flow rate / KLIMAFLEX SB DN 90			
Air-flow speed	2 m/s	2,5 m/s	3 m/s
KLIMAFLEX SB DN 90	31,8 m ³ /h	39,8 m ³ /h	47,7 m ³ /h
KLIMAFLEX SB DN 90	63,6 m ³ /h	79,6 m ³ /h	95,4 m ³ /h
KLIMAFLEX SB DN 90	95,4 m ³ /h	119,4 m ³ /h	143,1 m ³ /h

Other Ducting and Accessories

Supply & Extract Valves

DVLF 125 Extract Valve



DVLI 125 Valve Supply



S 125 Valve Supply



S 125 Valve Extract



Fire Rated Extract



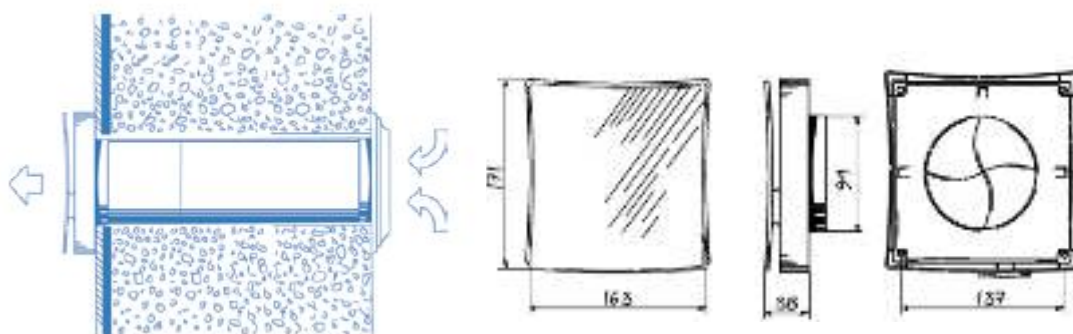
Fire Rated Supply



Wall Vents

Passive Vents

Wall Vent with Filter + Regulator WVF 100



Humidity Controlled Vents

Acoustic 125mm and Non-Acoustic 100mm Humidity Controlled Supply Valve



Wall Cows

Wall Cowl 150mm Ø and 200mm Ø
Black or White



Wall Cowl 150mm Ø and 200mm Ø
Black or White



Extract Cowl

External Kitchen Extract Cowl 125mm Ø 150mm Ø
Black or White



Roof Cowls

Roof Cowl Condron
125/150mm Ø with Adaptor



Roof Cowl Universal
125/150mm Ø with Adaptor



Roof Cowl Slate Grey
125/150mm Ø with Adaptor



Roof Cowl
125/150/200mm Ø



Flexible Insulated Ducting

Isosleeve 25
DHB102mm Ø/DHB082mmØ



Flexible Ducting
Iso250/combi21 152/160/203mm Ø



Flexible Ducting
Isodec 25 DI127mm Ø



Silencers

Rigid - Silencer



150mm Ø
200mm Ø

Flexible Silencer Sonodec
Non-Woven TRD25



160mm Ø
203mm Ø

Rigid Ducting & Miscellaneous

Tape ASB7050



Fiberglass Insulation for Ductwork



PVC Round Pipe



PVC	Metal
125mm	-
150mm	-
200mm ⁶	200mm

Grill Only



PVC
100mm
125mm
150mm

Connector



PVC	125mm	150mm
Metal	160mm	200mm

Reducer



PVC	Metal
R 125mm(M) – 150mm(F)	R 125mm(F)-75mm(M)
-	R 125mm(F)-90mm(M)
-	R 160mm(F)-150mm(M)
-	R 200mm(F)-160mm(M)
-	R 200mm(F)-180mm(M)

⁶ Special Order Only

Bend



45°	90°
125mm	125mm
150mm	150mm

T-Piece



125mm	125mm
150mm	150mm

