



Whole house heat recovery unit with a high-efficiency heat exchanger up to 92% with constant airflow setting and very low consumption EC motor.

Provides a constant supply of fresh tempered air into the living spaces of a home whilst extracting condensation, smells and smoke from kitchens, bathrooms and toilets.

The central unit is completed with extraction outlets located in different rooms (kitchen, toilets, bathroom) and inlets located in the main rooms (dining room, bedrooms).

Features

- 2 constant airflow fans
- Counter-flow heat exchanger with up to 92% performance
- Wireless remote controller
- Wireless kitchen boost
- F5 inlet filter with G4 pre-filter
- G4 extraction filter
- By-pass 100%
- 4 nozzles, Ø 150/160 mm
- 1 drain for vertical fitting
- 1 antenna with potential transmission/reception range of 150 metres in an open space
- 1 wall bracket
- Air tight construction



Specific applications



Single dwellings



Heat recovery unit



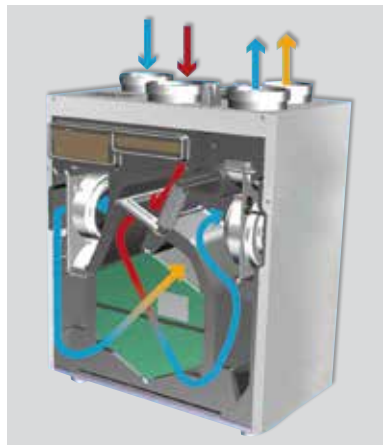
Alternative fitting

HORIZONTAL: On the floor.
Fitted lying down.

VERTICAL: On the wall or floor.



Easy access to filters.



High-efficiency heat exchanger up to 92%.



Easy maintenance
Easy to access: fans, heat exchanger and by-pass.



Hydraulic strut for opening.



External antenna.

WIRELESS KITCHEN BOOST

Each IDEO includes a removable kitchen boost.



The kitchen boost is a radio frequency remote controller providing maximum airflow for 1/2 hour.

PROGRAMMABLE CONTROLLER

Each IDEO includes a programmable controller.

Integrated in IDEO-HE



On the wall



Resting on a surface



The programmable controller is a remote controller operated by radiofrequency. Functions:

- 3 programming modes: 2 predefined and 1 manual.
- By-pass 100% automatic or manual.
- Automatic defrost mode.
- Absence mode.

The programmable controller also incorporates indicator of:

- Hour.
- Indoor / outdoor temperature.
- Change filters.
- Energy saving in KW per month.
- Ventilation speed.
- Battery level.
- Radiofrequency signal intensity.

COUNTER-FLOW, HIGH-EFFICIENCY HEAT RECOVERY UNIT IDEO 325 ECOWATT



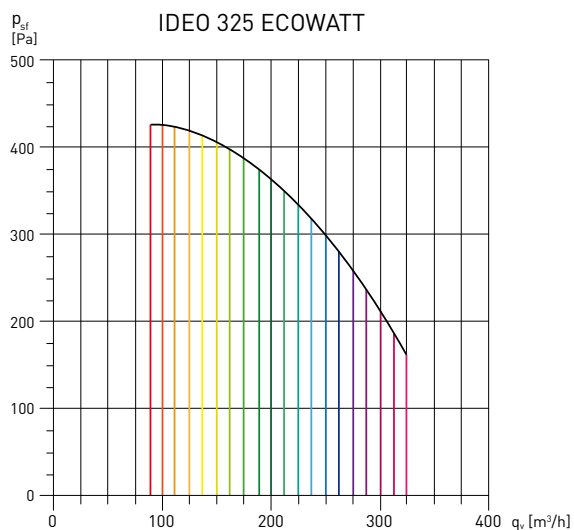
TECHNICAL CHARACTERISTICS

Model	Voltage (V)	Airflow (m³/h)		Power (W)		Current (A)		Sound pressure at 3m (dB(A))		Efficiency		Weight (kg)	Wiring diagram** (n°)
		min.	max.	min.	max.	min.	max.	min.	max.	min.	max.		
IDEO 325 ECOWATT	230	45*/90	325	21	198	0,1	0,7	22,9	35,5	86	92	45	45

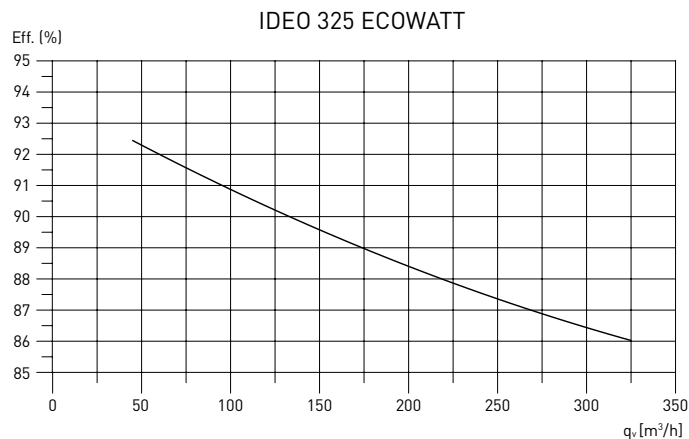
* Absence mode.

** See section of Wiring Diagrams.

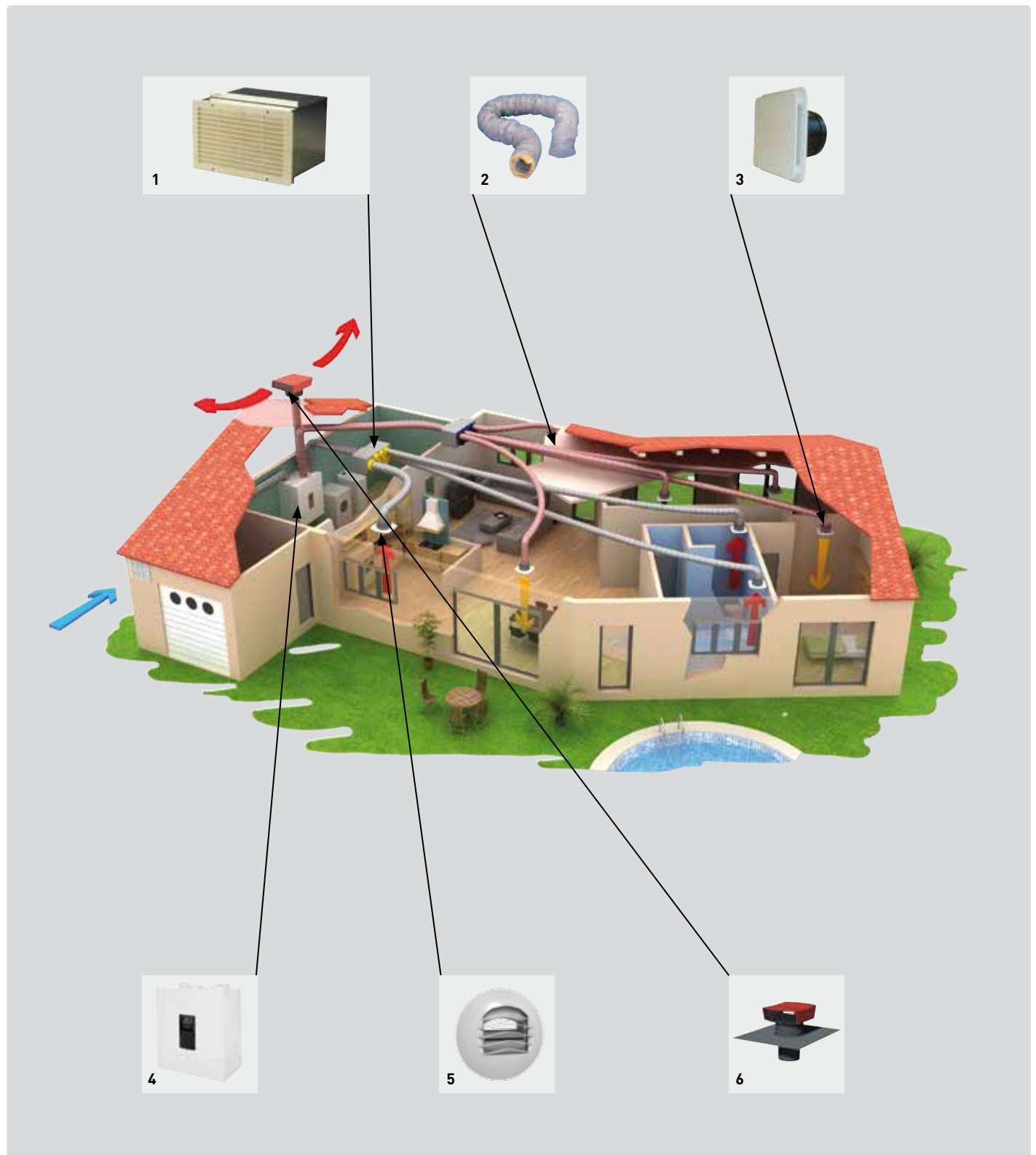
CHARACTERISTIC CURVE



PERFORMANCE CURVE

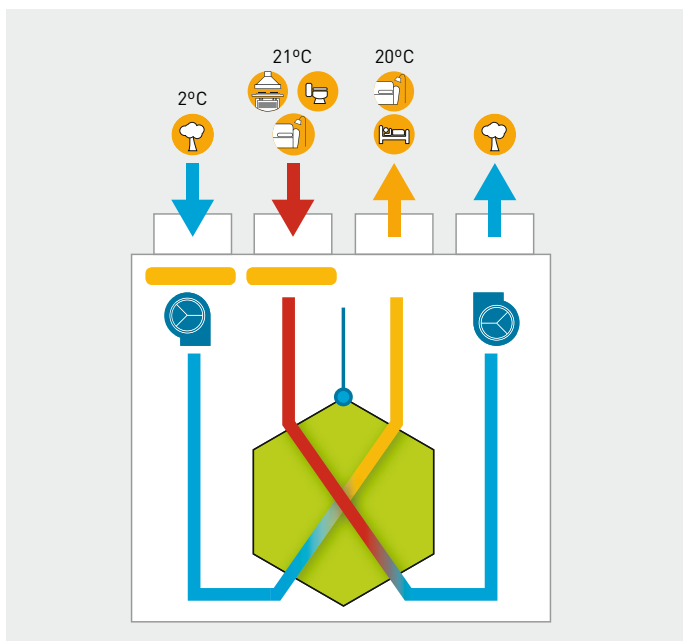


IDEO SERIES - CENTRALISED BALANCED FLOW SYSTEM



1. Wall mounted air inlet grille TAP.
2. Flexible ducting GPX / CG GP ISO.
3. Inlet and outlet valves BDOP.
4. Counter-flow, high-efficiency heat recovery unit IDEO.
5. Self-adjusting exhaust valves BARJ / BARP.
6. Plastic roof terminal cowl CT.

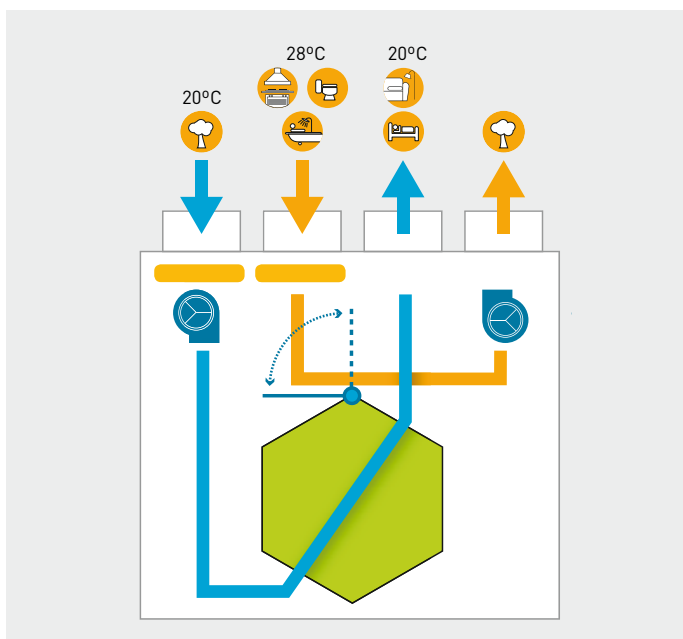
EXAMPLE OF TEMPERATURE RECOVERY IN WINTER



Operation without by-pass

- Air inside home: 21°C.
 - Outdoor air: 2°C.
 - New air heated and blown inside the home: 20°C.
- With a simple flow system, the new air would enter at 2°C through the air inlets, which would lower the interior temperature of the home. With the balanced flow system, the new air would enter at 20°C.

EXAMPLE OF RECOVERY OF TEMPERATURES IN SUMMER DURING THE NIGHT (FREE COOLING)

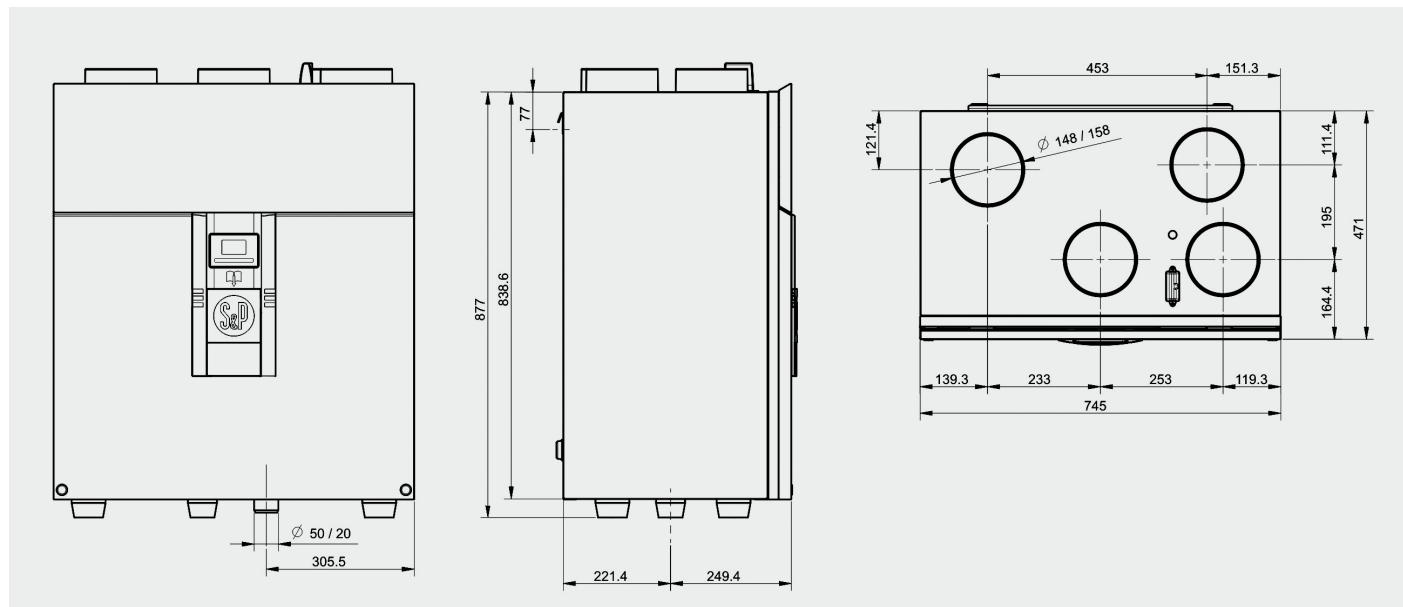


Operation with by-pass

- Air inside home: 28°C.
 - Outdoor air: 20°C.
 - New air cooled and blown inside the home: 20°C.
- In addition, during the summer nights, when the outdoor air is colder than the indoor air, the air does not pass through the exchanger, the by-pass is activated automatically and air goes directly into the home.

Heat recovery	Fan	By-pass	Filter	Kitchen	Rooms	Lounge	W.C.	Bath	Outside the home

DIMENSIONS (mm)



ACCESSORIES

Kit ANT. 200 IDEO

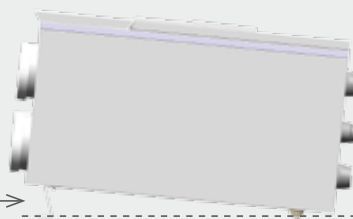
Antenna offering greater coverage. Antenna up to 200 metres in a open space.



Kit H IDEO

Lying down drain kit

Horizontal fitting bracket



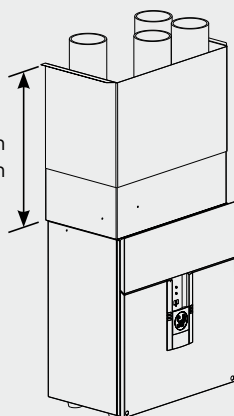
Horizontal drain

Vertical drain cap

ECG IDEO Kit

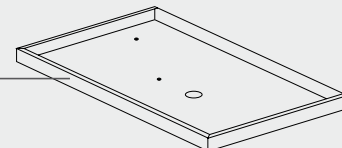
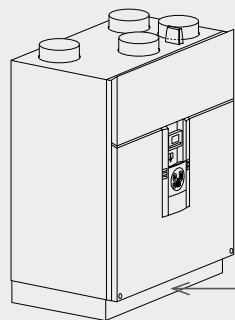
Tube trim

Min. 500 mm
 Max. 950 mm



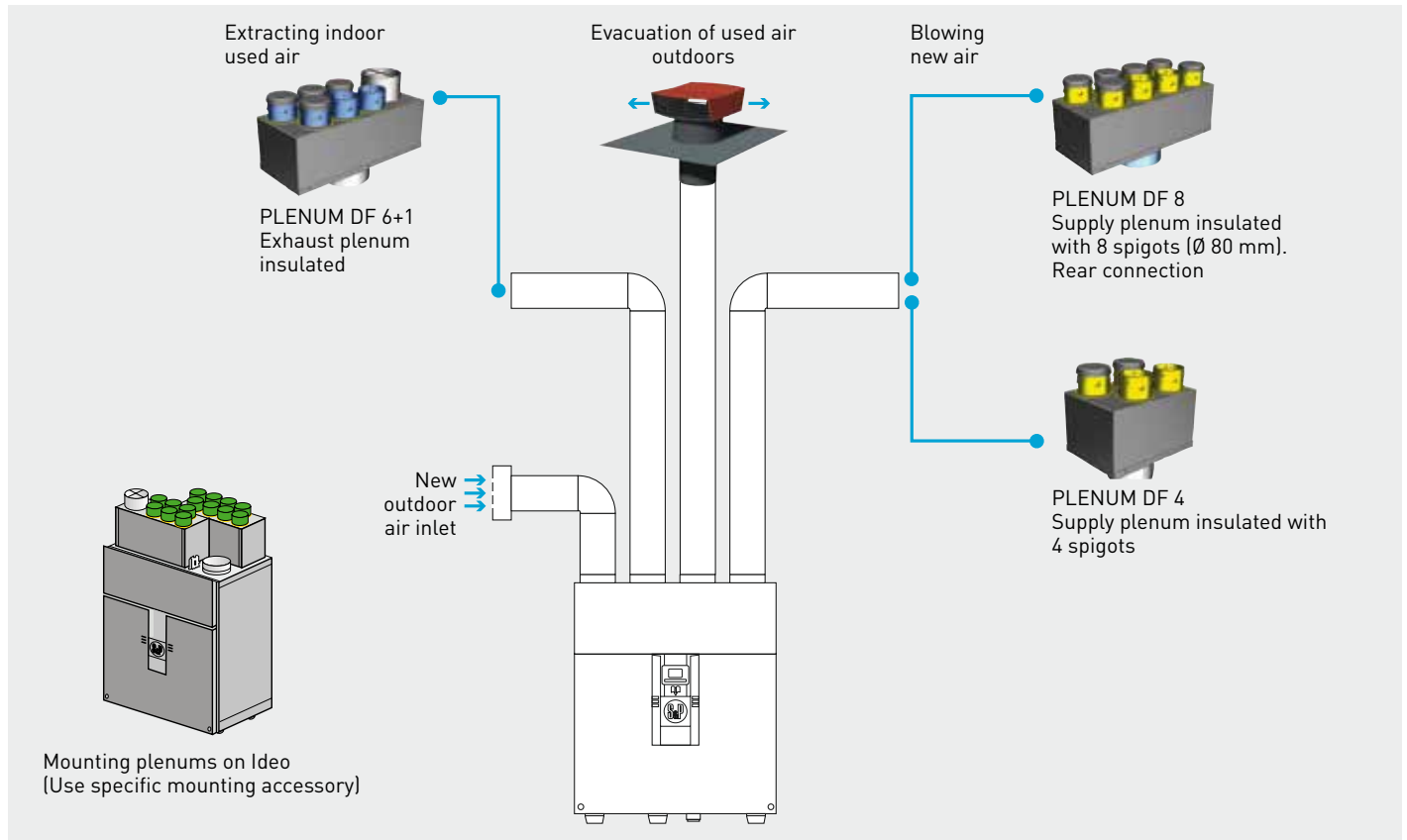
Kit EGG IDEO INF

Foot trim



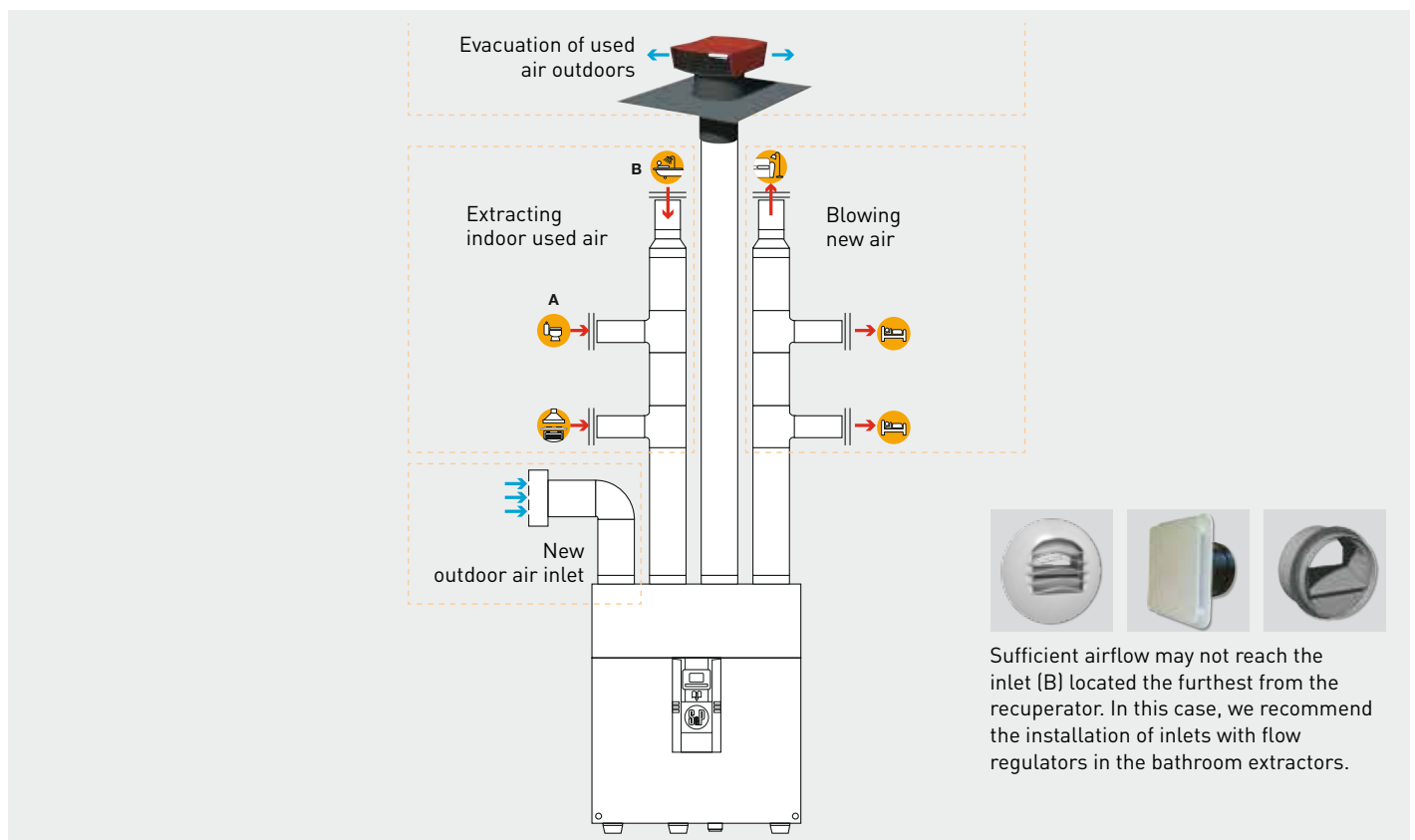
EXAMPLE OF FITTING: DISTRIBUTION BY PLENUMS INSULATED WITH 4 OR 8 SPIGOTS (Ø 80 mm)

The use of plenums facilitates the balancing of the installation.



EXAMPLE OF FITTING: DISTRIBUTION OF BY DUCTS

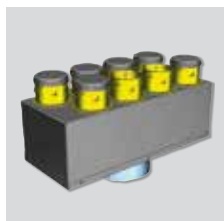
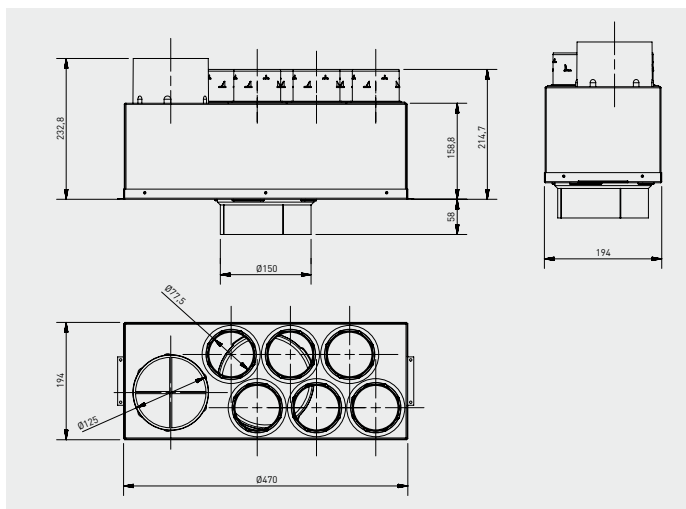
The use of ducts minimises the space necessary for the installation.



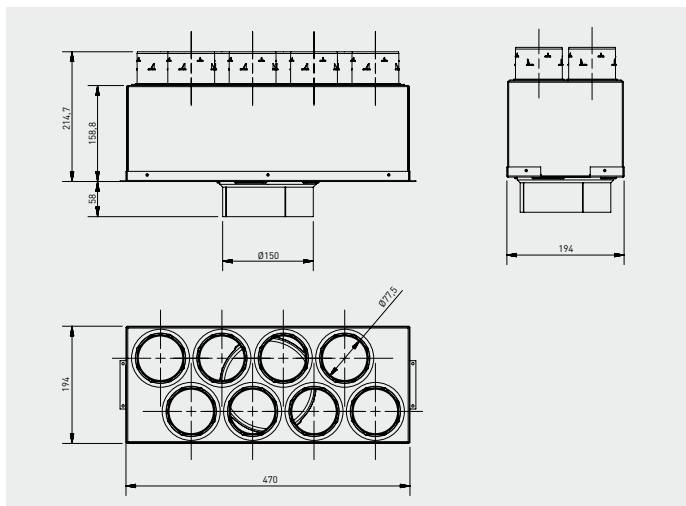
ACCESSORIES



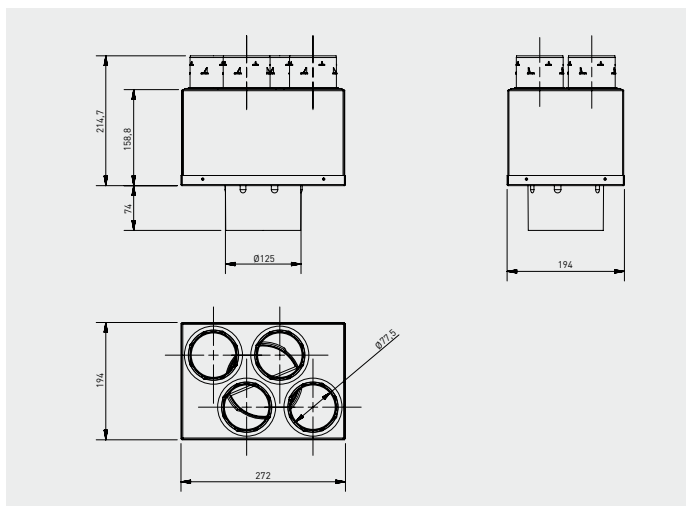
PLENUM DF 6+1
 Exhaust plenum insulated with 6 spigots for bathroom / wc use ($\varnothing 80$ mm) + 1 spigot for kitchen connection ($\varnothing 125$ mm). Rear connection $\varnothing 150$ mm.



PLENUM DF 8
 Supply plenum insulated with 8 spigots ($\varnothing 80$ mm). Rear connection $\varnothing 150$ mm.



PLENUM DF 4
 Supply plenum insulated with 4 spigots ($\varnothing 80$ mm). Rear connection $\varnothing 125$ mm.



ACC.PLENUM DF IDEO
 Allows mounting of plenums 6 +1P and 8P directly onto Ideo.

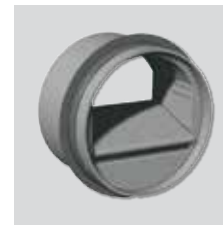
MOUNTING ACCESSORIES



BAR
Self-adjusting
calibrated outlets.



BDOP
Inlets and outlets.



RD
Airflow calibrated
regulator for BDOP.



GPRISO
Insulated rigid duct
Ø125, 150 and 160 mm.



**GP/GP PRO/
GPC/GPX/GPI**
25 mm or 50 mm
insulated PVC ducts
Ø80 and 125mm.



Tub Pla
Self-extinguishing
rectangular ducts
40 x 110 mm = Ø80 mm
55 x 110 mm = Ø100 mm
55 x 220 mm = Ø125 mm



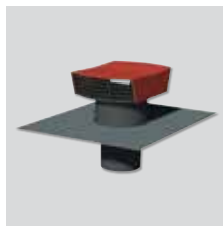
TAT
Air inlet grille under
roof Ø150.



TAP
Wall munted air inlet
grille Ø150 mm.



PAF
Wall outlet grille
Ø125, 150 or 160 mm.



CT
Roof cowl Ø125,
150 or 160 mm.



ADRF 100/80
Reduction to
connect Ø100 rigid
duct to Ø80 spigots
for flexible ducts.

ELECTRICAL ACCESSORIES



HIG-2
Humidity sensor.



SQA
Air quality sensor.