

Made  
in France



# CPIA 4<sup>SLIM</sup>

réCO rCONNECT rSMART

2-pipe / 2-pipe 2-wire / 4-pipe

## Ultra-compact comfort unit

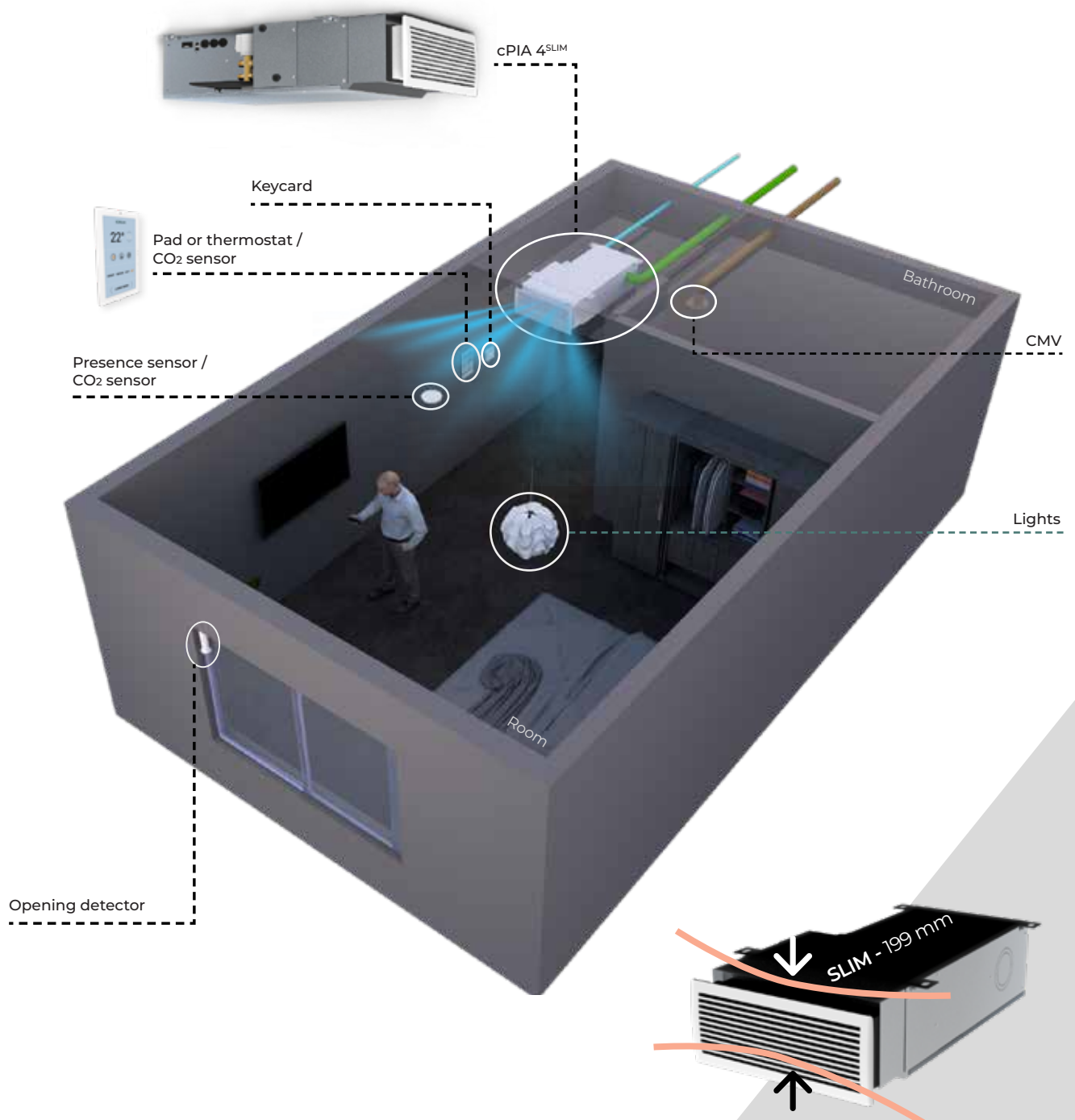
- Width 425 mm, thickness 199 mm
- Thermal and acoustic comfort
- Plug & Play Installation
- Integrated control
- Advanced energy optimisation

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## Description

The cPIA 4<sup>SLIM</sup> stands out as the market's most optimized ducted comfort unit.

- Its compact design fulfills the demands of ambitious renovation projects effortlessly.
- Tailored for the hotel, residential, and hospital sectors, its acoustic performance perfectly suited to the operational requirements.
- Incorporating advanced features, it significantly minimizes the overall energy consumption across facilities.
- Each zone autonomously adjusts in real-time based on keycard detection, window status, and occupant presence.
- A sophisticated supervision system intelligently utilizes data to maximize energy efficiency, ensuring substantial savings.



## Simplified and integrated control

The cPIA 4<sup>SLIM</sup> comfort unit offers a wide selection of control solutions to suit all types of applications, including student residences, hotels, nursing homes, and hospitals.

- The **réCO** and **réCO<sup>DIGIT</sup>** ranges are ideal for non-communicating setups or for installations requiring basic communication features via Modbus RTU.
- The **rSMART** range is tailored for connected environments requiring interconnection with other smart devices in the room, as well as communication with supervision systems via MQTT or Modbus TCP / IP.
- The **rCONNECT** range is specifically designed for advanced projects that require full supervision through standard Building Automation protocols (*BACnet IP or Modbus TCP/IP*), or through a native web protocol offering enhanced cybersecurity and Level 3 IT compatibility (*OPC*).

	réCO *	réCO <sup>DIGIT</sup> *	rSMART	rCONNECT
CONFIGURATIONS				
2-pipe configuration	✓	✓	✓	✓
2-pipe 2-wire configuration	✓	✓	✓	✓
4-pipe configuration	✓	✓	✓	✓
6-way valves configuration			✓	✓
FUNCTIONS				
Window contact	✓	✓	✓	✓
Card reader	✓	✓	✓	✓
Lights control			✓	✓
Curtains control			✓	✓
Please make my room			✓	✓
Do not disturb			✓	✓
CO <sub>2</sub> sensor thermostat			✓	✓
Fresh air control			✓	✓
FIELD / ROOM COMMUNICATION				
Modbus RTU			✓	✓
Zigbee / BLE			✓	
DALI				✓
SUPERVISION / CLOUD COMMUNICATION				
Wi-Fi			✓	
Modbus RTU	✓	✓		
Modbus TCP / IP			✓	✓
Bacnet IP				✓
MQTT			✓	
OPC				✓
COMPATIBILITY THERMOSTAT				
réCO <sup>BASIC</sup>	✓			
Wireless réSENS			✓	
Wired réSENS		✓	✓	✓
Touch screen 7 "			✓	✓
Remote temperature sensor				✓

\* 2<sup>nd</sup> half-2025



Analog thermostat  
réCO



E-ink Thermostat  
réSENS (Wireless & wired)



Touch screen 7 "  
PAD 7 / réGATE



Luxury thermostat  
pALACE



## Ultra-Efficient and low-carbon design for the buildings of tomorrow

As a pioneer in developing low-energy units equipped with electronically commutated (EC) motors, EUREVIA leverages this expertise in its cPIA 4<sup>SLIM</sup> range.



Manufactured in La Ciotat, France, these units are designed with a low-carbon footprint, making them perfectly aligned with the sustainability goals of next-generation buildings.



## Plug & Play units

The cPIA 4<sup>SLIM</sup> comfort units are delivered fully assembled (*complete with hydraulics, controls, anti-vibration mounts, etc.*).

For optimal hydraulic performance, they can also be equipped with a factory-preset dynamic balancing valve, configured according to the selection table provided by the project's technical design office.

Each unit is clearly factory labeled with its specific installation location (*e.g., Building A – 1<sup>st</sup> Floor, Room 102*).

All cPIA 4<sup>SLIM</sup> units are factory-tested before shipment to guarantee the highest level of quality and reliability.

## Flexible configurations to meet every requirement

cPIA units are designed for horizontal installation in false ceilings.

cPIA 4<sup>SLIM</sup> range is available in multiple configurations, including reversible 2-pipe change-over, 4-pipe, and 6-way valve\*.

An optional dynamic fresh air control damper, integrated with the supervision system, provides precise ventilation management and enhanced energy savings.

*\* Supplied separately, compatible only with rCONNECT and rSMART.*

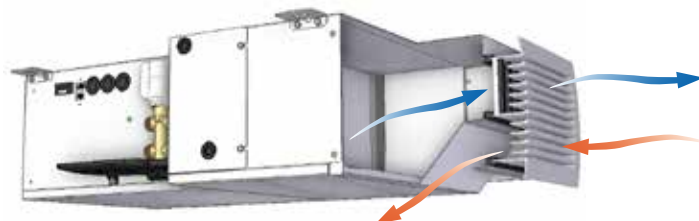
## Optional diffusion kit

The dUALIA range simultaneously delivers treated air (using the Coandă effect), fresh air injection and air return.

Its refined yet discreet design, silent operation, and ease of installation and maintenance make it especially well-suited for hotel and residential sectors.

Key features :

- Supply and return air integrated into a single grille.



- Low noise levels.
- Air diffusion by Coandă effect.
- Adaptable to all room layouts : 3 air deflector zones.



**ABS**  
Anti-condensation

- Material : Constructed from ABS, the grille provides flexibility and a precise fit against the partition.
- Safe installation : Its keyed design prevents incorrect installation by guaranteeing the correct orientation of supply and return airflows.
- Easy adjustment : Oblong grid fixing allowing for up to 5° of horizontal adjustment relative to the ceiling.
- Custom finish : The micro-porous front panel (RAL 9016) can be painted on-site to ensure perfect aesthetic integration.

## Ease of maintenance for the operator

All key components, such as the coil, motor fan, filter, control system and hydraulic kit, are accessible from below, eliminating the need to remove the unit from the ceiling for servicing.

## Technical characteristics

cPIA 4<sup>SLIM</sup> comfort units : round air supply Ø 160 mm and oblong air supply equivalent to Ø 200 mm.



SUPPLY AIR Ø 160 mm



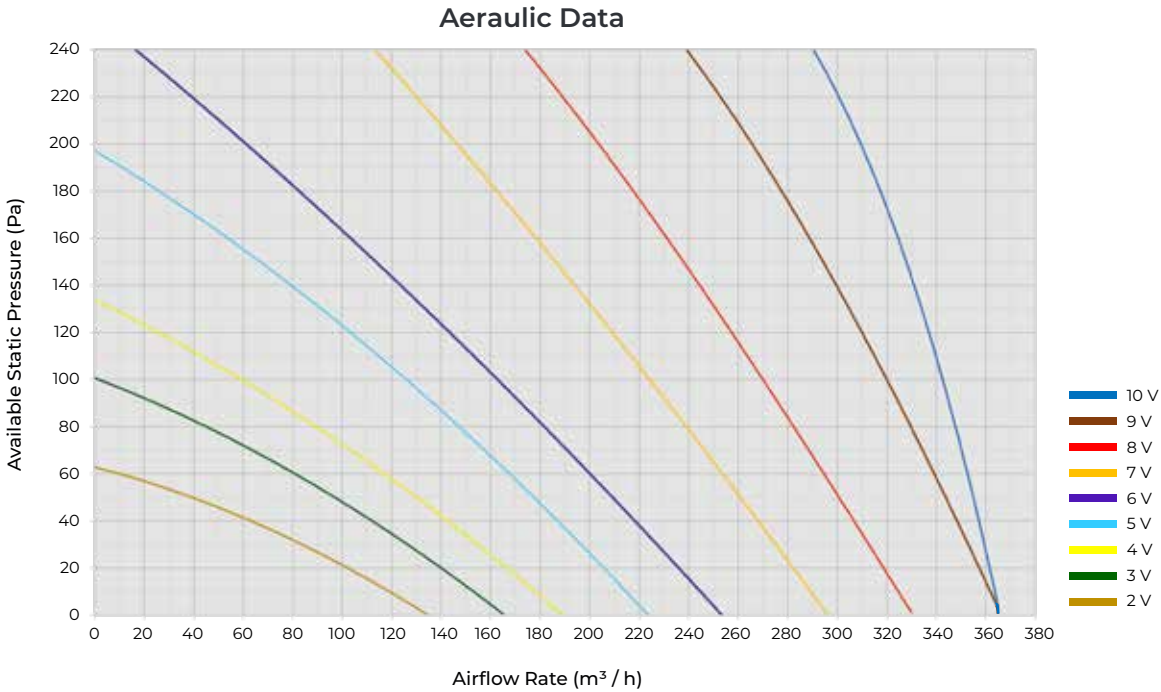
OBLONG SUPPLY AIR EQUIVALENT TO Ø 200 mm

2 PIPES	AERAULICS			COOLING CAPACITY		HEATING CAPACITY	ACOUSTIC POWER LEVEL	
cPIA 4 <sup>SLIM</sup>	Air flow	Static pressure	power consumption	Water 7 / 12 °C		Water 45 / 40 °C	Blowing	Rep. + Ray.
	<i>m³/h</i>	<i>Pa</i>	<i>W</i>	Pt	Ps	Pc	Lws	Lwr
				<i>W</i>	<i>W</i>	<i>W</i>	<i>dB (A)</i>	<i>dB (A)</i>
V 1	140	20	8	920	630	960	37	43
V 2	220	50	23	1280	890	1380	48	52
V 3	280	80	44	1510	1070	1670	54	57
V max	336	115	75	1700	1210	1920	58	61

4 PIPES	AERAULICS			COOLING CAPACITY		HEATING CAPACITY	ACOUSTIC POWER LEVEL	
cPIA 4 <sup>SLIM</sup>	Air flow	Static pres- sure	power consump- tion	Water 7 / 12 °C		Water 60 / 55 °C	Blowing	Rep. + Ray.
				Pt	Ps	Pc	Lws	Lwr
	m³/h	Pa	W	W	W	W	dB (A)	dB (A)
V 1	140	20	8	950	590	760	37	43
V 2	220	50	23	1490	930	1010	48	52
V 3	280	80	44	1780	1130	1180	54	57
V max	336	115	75	1930	1230	1320	58	61

Urban network	AERAULICS			COOLING CAPACITY		HEATING CAPACITY	ACOUSTIC POWER LEVEL	
cPIA 4 <sup>SLIM</sup>	Air flow	Static pres- sure	power consump- tion	Water 7 / 15 °C		Water 45 / 35 °C	Blowing	Rep. + Ray.
				Pt	Ps	Pc	Lws	Lwr
	m³/h	Pa	W	W	W	W	dB (A)	dB (A)
V 1	140	20	8	770	540	970	37	43
V 2	220	50	23	1140	810	1410	48	52
V 3	280	80	44	1360	980	1710	54	57
V max	336	115	75	1540	1120	1970	58	61

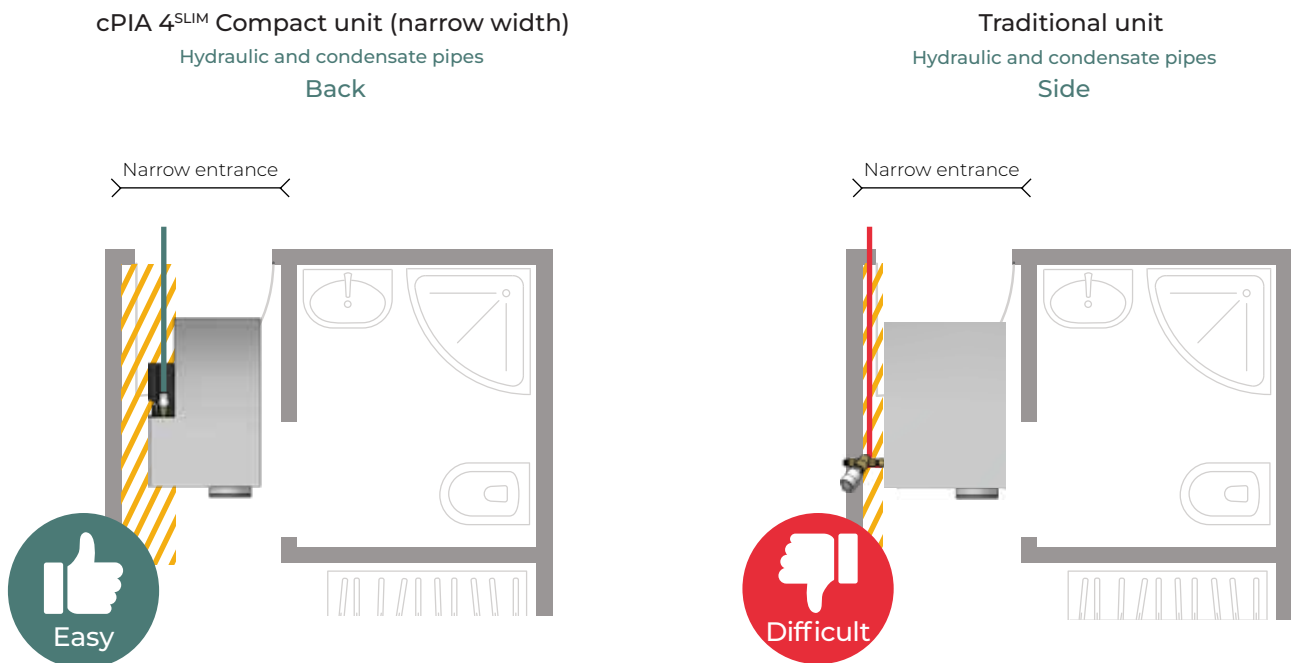
Pc : Heating capacity, air inlet 19 °C  
Pt : Total cooling capacity, air inlet 27 °C - 50 % HR  
Ps : Sensible cooling capacity, air inlet 27 °C - 50 % HR  
Lws : Sound power level at supply, in accordance with the ISO 3741 / 88 standard  
Lwr : Sound power level at return and radiated, measured in accordance with the norme ISO 3741 / 88 standard



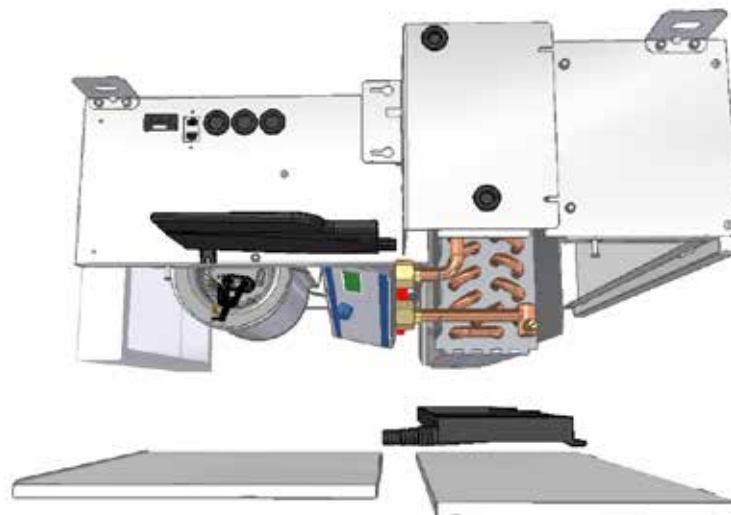
## Chassis

The 10 / 10<sup>th</sup> galvanised chassis is covered with 13 mm thick class M 1 open-cell acoustic insulation.

All hydraulic and condensate pipes are located at the rear of the unit, simplifying installation and maintenance, especially in tight spaces such as narrow suspended ceilings.



The underside of the unit is fully removable, providing access to all components during maintenance operations. The unit is equipped with a main condensate drain pan, lined with 3 mm thick closed-cell insulation rated M 1.



## Fan motor

The synchronous motor-fan consists of a double-inlet aluminum impeller and a galvanized steel scroll. It adjusts its speed based on demand using EC (*Electronically Commutated*) technology, providing high efficiency while ensuring maximum acoustic comfort.



## Coil

The units are equipped with high-performance coils composed of aluminium fins crimped onto copper tubes for optimal thermal efficiency.

The 2-pipe version features 3 rows with circuitry optimized for heat pump operating conditions.

The 4-pipe version includes 3 cooling rows and 1 heating row.

A special 2-pipe version for urban networks consists of 4 rows optimized for specific distribution system conditions (e.g., chilled water at 9/14 °C or 7/15 °C, and hot water at 45/35 °C).



cPIA 4<sup>SLIM</sup> - 2 PIPES



cPIA 4<sup>SLIM</sup> - 4 PIPES

## Hydraulic kit

The units can be equipped with 3 different arrays on the main coil as well as on the heating coil in the 4-pipe configuration.



kit 1



kit 2



kit 3

*Kit 1: Motorized 4-way valve 230 V chrono-proportional*

*Kit 2: Motorized dynamic balancing valve 230 V chrono-proportional (compatible with rSMART and rCONNECT control systems)*

*Kit 3: Motorized 4-way valve 230 V chrono-proportional + factory-set dynamic balancing valve*

*Optional 6-way valve supplied separately.*

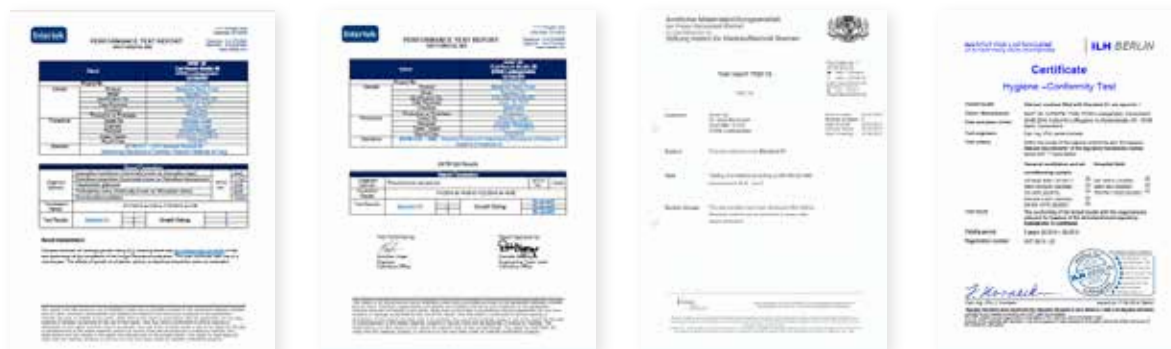


## Insulation

Always committed to air quality for its users, EUREVIA has selected to integrate a mineral thermo-acoustic insulating material of «Hygienic» quality into its ducted units.

This material prevents bacterial growth in compliance with the NF EN ISO 846 standard, and features a low-noise, open-cell structure for enhanced acoustic performance.

All related tests and certifications are available for review on the Eurevia website ([www.eurevia.com](http://www.eurevia.com)):

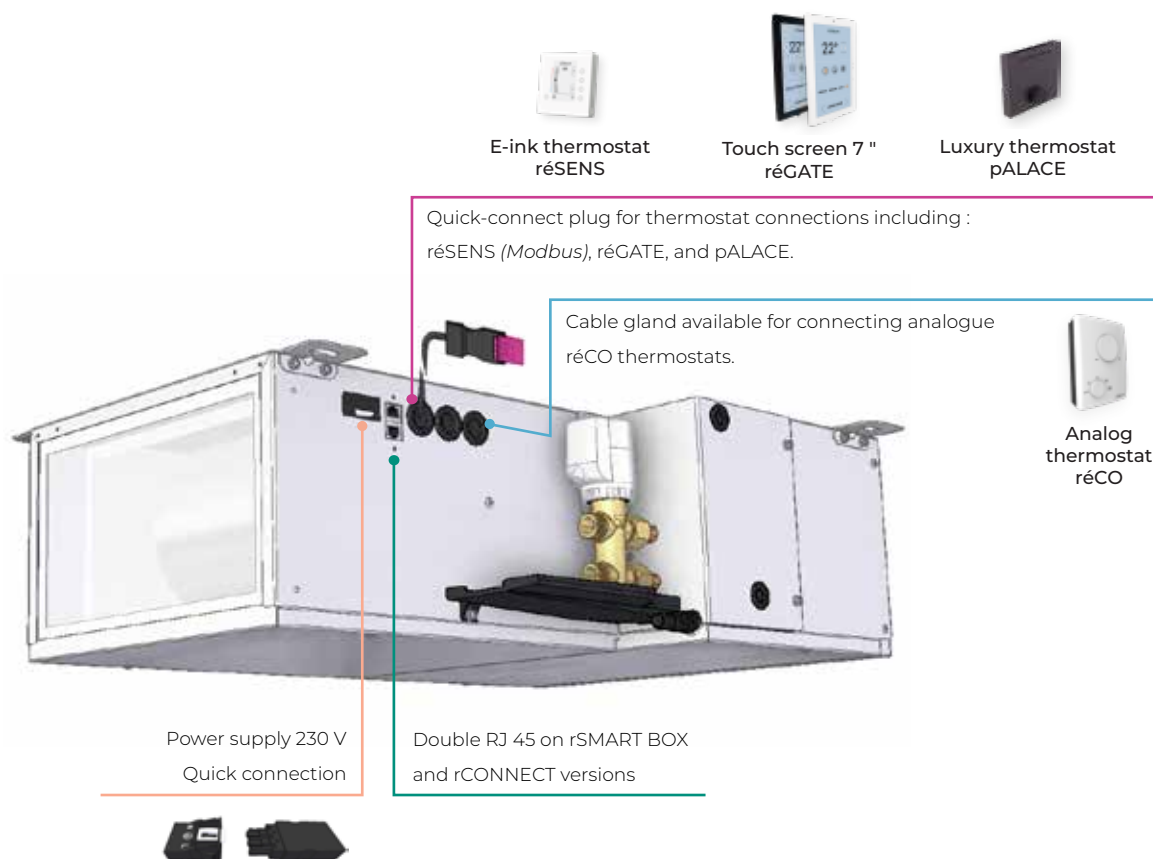


## Electrical connection

All the electrical components (*controllers, valves, sensors, etc.*) are assembled, wired and tested in the factory. A quick-connector ensures easy power supply connection.

The cPIA 4<sup>SLIM</sup> rCONNECT and rSMART BOX units are equipped with double RJ 45 connectors.

The cPIA 4<sup>SLIM</sup> réCO<sup>DIGIT</sup> and rSMART units feature a dedicated terminal block for thermostat connection.



## Supply air

3 versions available :

- 1 factory-mounted Ø 160 mm spigot + 1 pre-cut Ø 160 mm spigot for adding a second on site.
- 1 oblong spigot equivalent to Ø 200 mm.
- 1 diffusion kit including supply and return grille.



SUPPLY AIR Ø 160 mm



OBLONG SUPPLY AIR EQUIVALENT TO Ø 200 mm



SUPPLY AIR WITH DIFFUSION KIT

## Return air

Return air is drawn from the rear of the unit. 3 versions available :

- Open return.
- 1 spigot Ø 160 mm.
- 1 oblong spigot equivalent to Ø 200 mm.



OPEN RETURN AIR



RETURN AIR Ø 160 mm



OBLONG RETURN AIR EQUIVALENT TO Ø 200 mm

## Energy saving

The cPIA 4<sup>SLIM</sup> unit is equipped with a wide range of smart features designed to significantly reduce a building's energy consumption by adapting to real-time needs.

The **supervision** system centralises all operating data required for both high energy efficiency management and **global energy optimisation**.

### Simple and effective

The system's intuitive interface offers maximum user comfort while guaranteeing minimal energy consumption for building operators.

### Foundation for energy saving

The entire range is fitted with keycard and window detector, enabling straightforward energy-saving strategies.

### Automatic equipment management

Connected devices such as lights and electrical outlets can be managed automatically, providing users with optimised comfort scenarios while conserving energy during unoccupied periods.

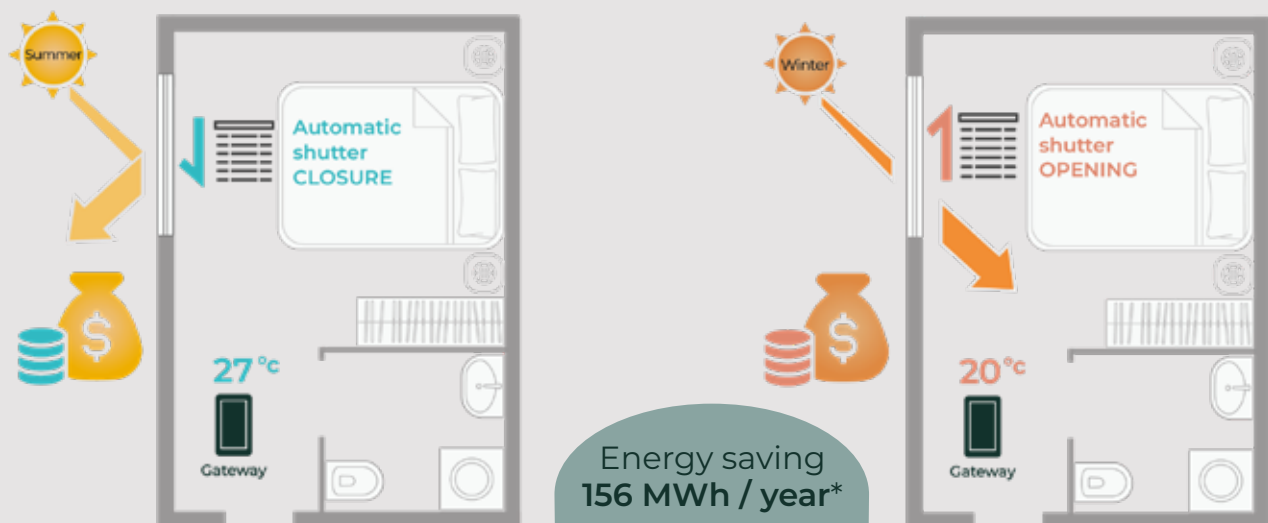


## Automated shading control

The rSMART and rCONNECT units allow automated control of shading systems (curtains, blinds, shutters, or external venetian blinds) based on room temperature and weather conditions.

In summer, the blind close automatically to limit solar heat gain, significantly reducing the need for air conditioning.

In winter, they open automatically during sunny periods to take advantage of passive solar heating, thereby reducing heating demand.



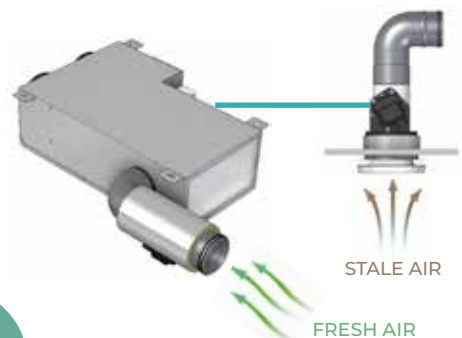
\* Estimated energy savings for a 100-room south-facing hotel in La Ciotat (south of France).

## Ventilation and air quality management

The rSMART and rCONNECT units can also dynamically control air flow through integrated fresh air and stale air modules.

- A fresh air module is installed directly on the cPIA 4<sup>SLIM</sup> unit, while the exhaust air module is positioned remotely.
- Based on room parameters and sensor data (such as presence, humidity, and CO<sub>2</sub>, etc.), the system continuously adjusts the ventilation levels to ensure optimal air quality with minimal energy consumption.

Energy saving  
132 MWh / year\*



\* Estimated energy savings for a 100-room hotel with an average daily occupancy rate of 55 % and an annual booking rate of 80 %.

4 use cases below :

Case 1 : Example of normal operation in summer

Room occupied - Window closed

- Presence detection (sensor or keycard) allows :
- Air conditioning : **Comfort** mode
  - Fresh air : Comfort position + **CO<sub>2</sub> / Humidity control**
  - Curtains : **Welcome scene** + Manual control enabled
  - Lights, sockets, etc. : **Welcome scene** + Manual control enabled



Case 2 : Example of energy savings with an open window

Room occupied - Window open

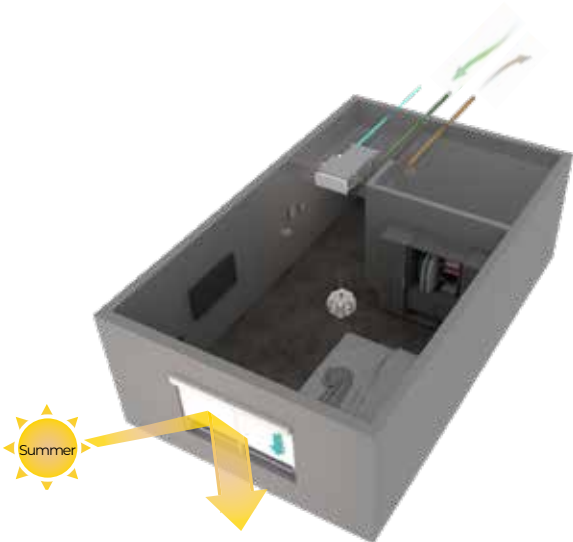
- Window opening detection enables :
- Air conditioning : **Standby** mode
  - Fresh air : Minimal air flow
  - Curtains : No change
  - Lights, sockets, etc. : No change



Case 3 : Significant reduction in summer energy consumption

Room unoccupied - Summer mode

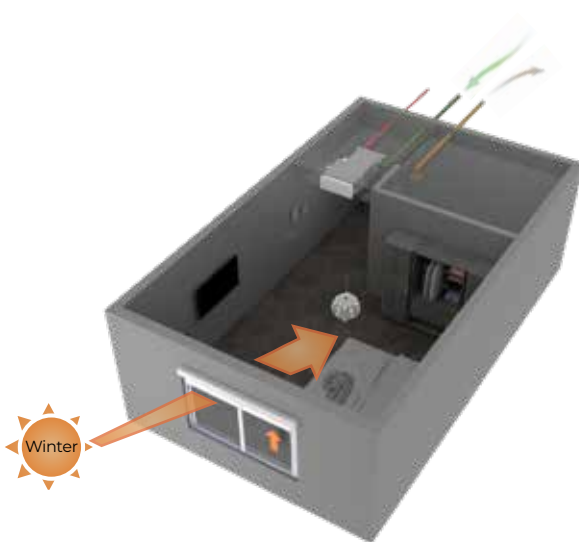
- Absence detection (sensor or keycard) enables :
- Air conditioning : **Unoccupied** mode
  - Fresh air : Minimal air flow
  - Curtains : **Automatic closure** based on solar gain
  - Lights, sockets, etc. : Switched off
- Increasing the temperature in the room allows :
- Shutter closure at 80 % to reduce cooling demand



Case 4 : Significant reduction in winter energy consumption

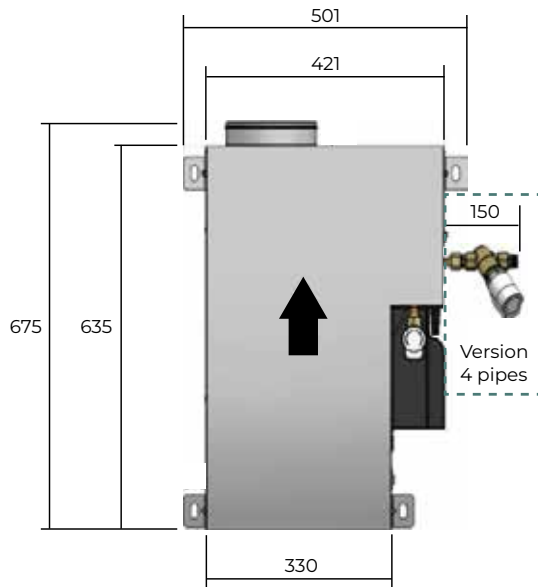
Room unoccupied - Winter mode

- Absence detection (sensor or keycard) enables :
- Heating : **Unoccupied** mode
  - Fresh air : Minimal air flow
  - Curtains : **Automatic opening** based on solar gain
  - Lights, sockets, etc. : Switched off
- Decreasing the temperature in the room allows :
- Shutter opening to 100 % to reduce heating demand

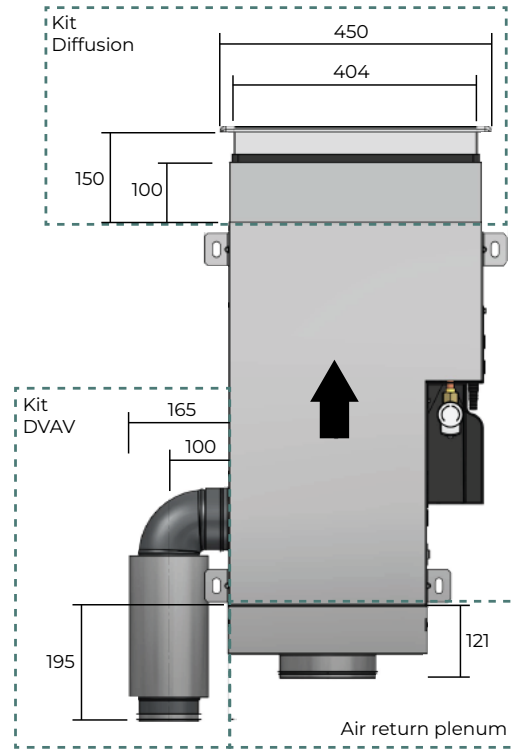


## Dimensions and weights

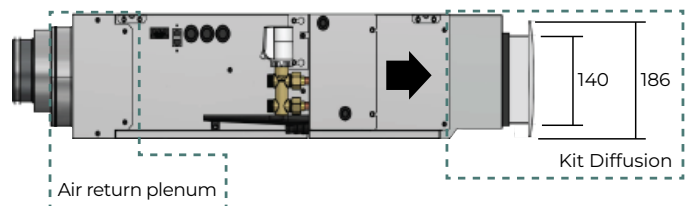
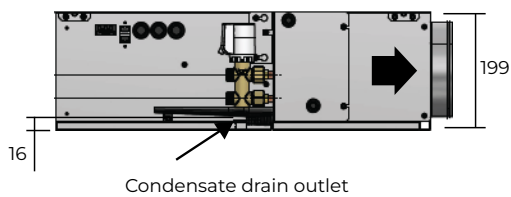
cPIA 4<sup>SLIM</sup>  
2 pipes & 4 pipes



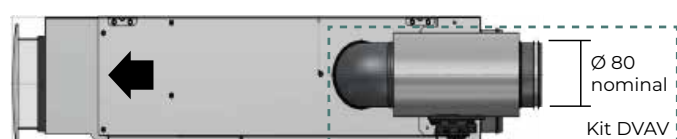
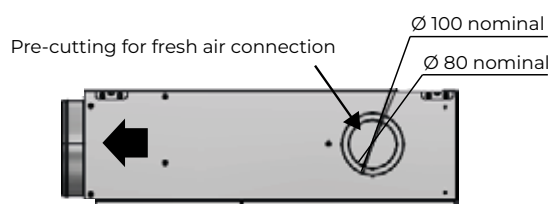
cPIA 4<sup>SLIM</sup>  
Unit with accessories



TOP VIEW



SIDE VIEW EASEMENT



OPPOSITE SIDE VIEW EASEMENT

(mm)

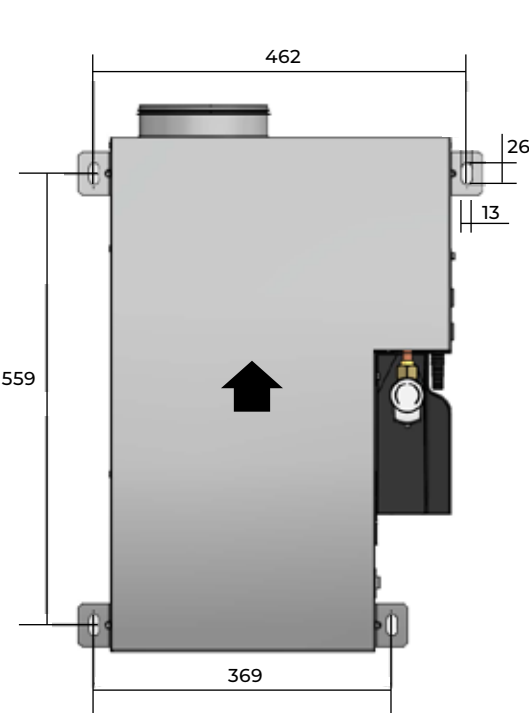
**Mounting** *(anti-vibration pads)*

The unit is supplied with 4 anti-vibration pads, designed to accommodate an M 8 fastener.

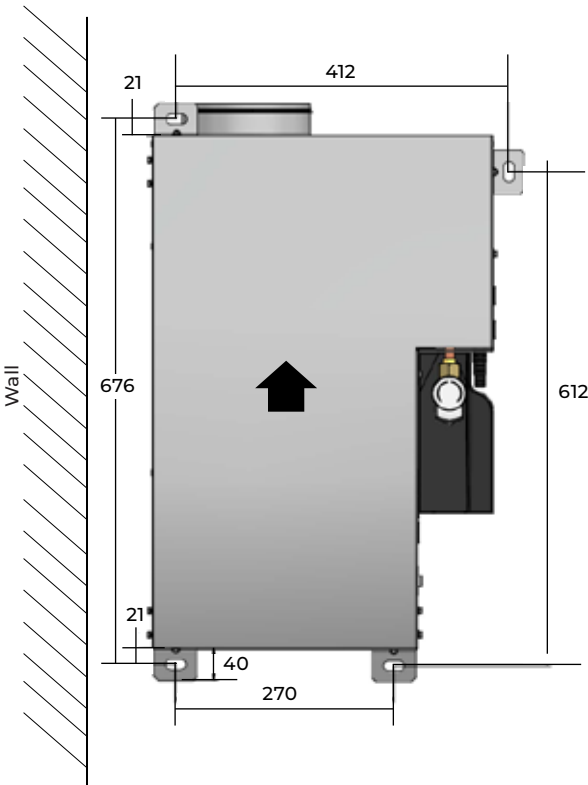


Standard mountings *(Factory Installed)*

For installation close to a wall, the mounting brackets can be repositioned on-site.



TOP VIEW  
STANDARD FIXING

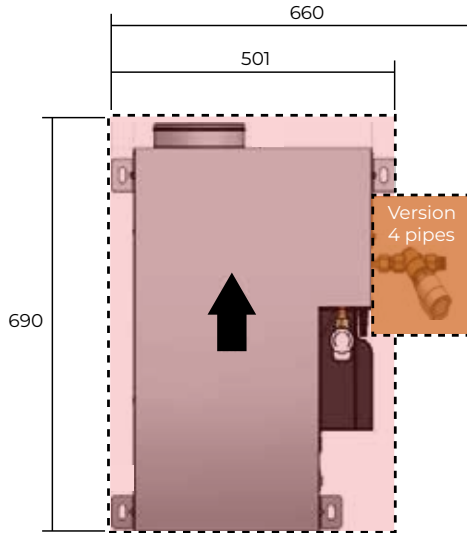


TOP VIEW  
WALL FIXING

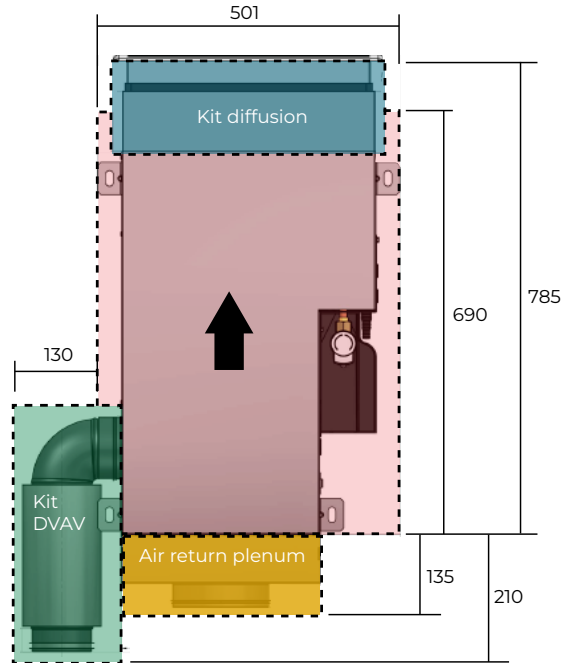
(mm)

## Maintenance access

cPIA 4<sup>SLIM</sup>  
2 pipes & 4 pipes



cPIA 4<sup>SLIM</sup>  
Unit with accessories



TOP VIEW

(mm)

**cPIA 7<sup>SLIM</sup>**  
**rSMART**

*Coming soon !*

Dimensions : Width 725 mm, thickness 199 mm  
Integration of the dUALIA 700 grille  
Rated heating and cooling capacity





# **cPIA 4<sup>SLIM</sup>**

## **Ultra Compact Design**

Sectors of application :

**Hotel guest rooms** (*renovation and new construction*)

**Tourist residences**

**Student residences**

**Healthcare facilities** (*hospital or medical rooms*)

**Apartments** (*studio type 1*)

Systems :

**iROOM** **cZONE**

**EUREVIA**  
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