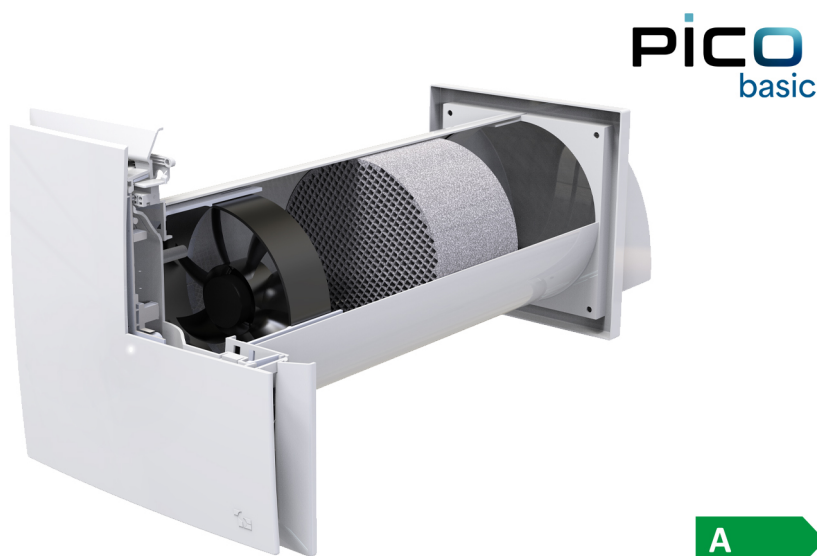


# PICO BASIC

Ventilation unit with wall-mounted puntual heat recovery, without remote control

- cod. ACD100060 - cod. ACD100061 - cod. ACD100062  
- cod. RIC00190 - cod. RIC00191 - cod. RIC00192  
- cod. C20002333 - cod. C20002336 - cod. C20002324



## DESCRIPTION

PICO BASIC is an innovative system designed to improve thermal comfort and air quality in residential environments. PICO BASIC can operate in both directions, which means it can be used to ventilate and recover the heat of the environment as needed. This allows you to maintain a comfortable microclimate in any season.

**Energy Saving:** This system is designed to maximize energy saving, thus reducing the costs associated with heating and cooling of the interior spaces. Thanks to its efficient operation, it contributes to reducing environmental impact.

**Optimized Ventilation:** PICO BASIC ensures effective ventilation and adequate air exchange inside the rooms, improving air quality and contributing to the well-being of the occupants.

**High Efficiency:** The vacuum extractor integrated in PICO BASIC offers a high performance, with the extraction capacity that can reach up to 90%. This is made possible by the presence of a honeycomb heat exchanger made of ceramic material, which maximizes thermal efficiency.

**Easy Installation and Maintenance:** PICO BASIC is designed to be installed with ease and requires simple maintenance. This simplifies system management, reducing maintenance costs over time.

The connection to the electrical network to the device is made directly from the prearranged clamp integrated in the wall dashboard, to ensure quick assembly and maintenance of the PICO.

The ventilation unit front panel is made from white ABS.

The wall through pipe is 50 cm long and contains the ceramic heat exchanger and grade G2 incorporated filters.

An external element with rain guard completes the installation.

All the functions of the Pico can also be controlled via APP via remote or local wifi connection directly from your smartphone or tablet in a simple and intuitive way.

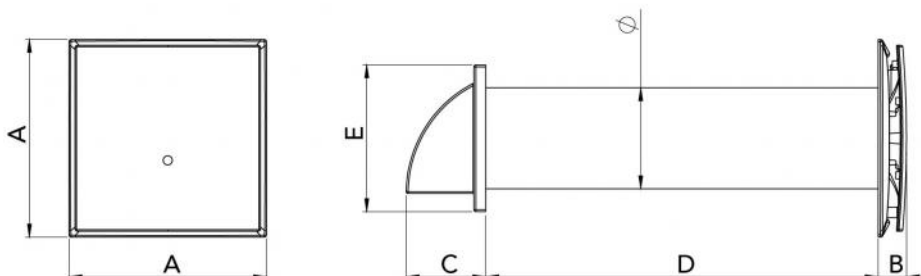
Simply download the Tecnosystemi app and associate your device.

REMOTE CONTROL NOT INCLUDED IN THE PACK

## FUNCTIONAL FEATURES

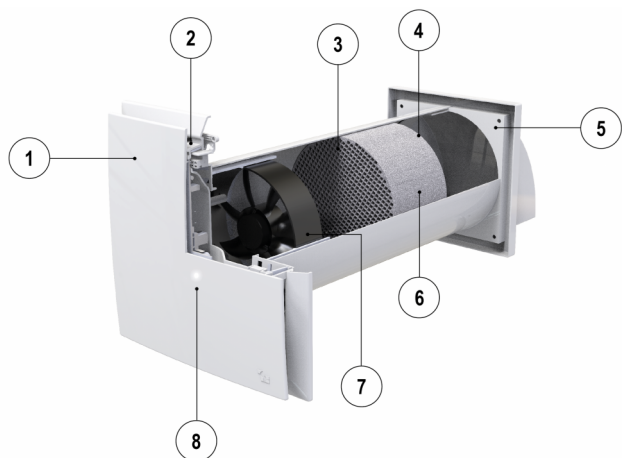
- For wall installation
- Front wall thickness 35 mm
- Available with flow rates from 30 to 60 m<sup>3</sup>/h
- Energy Class A
- Wi-fi control mode 2.4 GHz via APP: local or remote connection
- Integration Voice assistants and Google Home
- Functions: Comfort - Humidity threshold - Natural recirculation - Night mode
- Heat exchanger made of high-efficiency ceramic
- Built-in grade G2 filters
- Fan with low energy consumption
- Suitable for continuous operation
- RGB LED on front for mode display
- 4-speed, min, med, max and night mode, adjustable via app
- Ambient operating temperature: -10°C / +40°C (-10T40)
- Rating IPX4 (external)
- Mounting Hole Sections Ø103 - Ø128 - Ø153
- Minimum installation wall thickness: 270mm
- Remote control NOT included

## DIMENSIONS PICO BASIC 30 / 45 / 60



| MODEL         | A [mm] | B [mm] | C [mm] | D [mm] | E [mm] | Ø [mm] | Weight [kg] |
|---------------|--------|--------|--------|--------|--------|--------|-------------|
| PICO BASIC 30 | 250    | 35     | 86     | 500    | 154    | 103    | 2,0         |
| PICO BASIC 45 | 250    | 35     | 101    | 500    | 186    | 128    | 2,2         |
| PICO BASIC 60 | 250    | 35     | 101    | 500    | 186    | 153    | 3,2         |

## REFERENCES



- [1] Aesthetic front panel
- [2] Mechanical damper
- [3] Filter 1
- [4] Filter 2
- [5] External grille
- [6] Exchanger pack
- [7] Bidirectional fan
- [8] RGB mode LEDs

## TECHNICAL DATA

|  | DATA                         |
|--|------------------------------|
| Power supply   | 90-240 Vac +/- 10%, 50/60 Hz |
| Insulation   | II                           |
| Protection rating  | IPX4                         |
| Type of installation                                     | Fixed                        |
| Control  | Remote control / App         |
| Communications   | WiFi 2.4 GHz                 |
| Messages   | Multi-colour RGB LED         |
| Motors   | Brushless DC PWM controlled  |
| Exchanger type   | High-efficiency ceramics     |
| Body material  | ABS                          |
| Operating temperature                                    | -10°C / +40°C C13(-10T40)    |
| Relative operating humidity at room temperature of 25° C | 85 rH%                       |
| Storage temperature                                      | min -20°C - max 70°C         |
| Service class  | CONTINUOUS                   |
| Minimum wall thickness                                   | 270mm                        |

## PICO BASIC 30

| TECHNICAL DATA  | Standby  | NIGHT      |           | minimum speed |           | Average speed |           | Maximum speed |           |
|---|--|------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|
|   |  | Extraction | Immission | Extraction    | Immission | Extraction    | Immission | Extraction    | Immission |
| Mode  | /  |            |           |               |           |               |           |               |           |
| Consumption [W]   | <1   | 1.5        |           | 2             |           | 3             |           | 4             |           |
| Air flow rate [m³/h]  | /  | 6          |           | 10            |           | 20            |           | 30            |           |
| Sound power [dB(A)] @2m   | /  | 18         | 19        | 22            | 23        | 26            | 27        | 29            | 32        |
| ENERGY RATING SEC   | A  |            |           |               |           |               |           |               |           |
| Type  | Bidirectional UVR                              |            |           |               |           |               |           |               |           |
| Type of recovery system   | Regenerative type HRC3b                        |            |           |               |           |               |           |               |           |
| Filtration class  | G2   |            |           |               |           |               |           |               |           |
| Filter signal   | Red flashing light indication on front fixture |            |           |               |           |               |           |               |           |
| Internet address with pre-assembly and disassembly instructions | www.tecnosystemi.com                           |            |           |               |           |               |           |               |           |

## PICO BASIC 45

| TECHNICAL DATA  | Standby  | NIGHT      |           | minimum speed |           | Average speed |           | Maximum speed |           |
|---|--|------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|
|   |  | Extraction | Immission | Extraction    | Immission | Extraction    | Immission | Extraction    | Immission |
| Mode  | /  |            |           |               |           |               |           |               |           |
| Consumption [W]   | <1   | 1.5        |           | 2             |           | 3             |           | 4.5           |           |
| Air flow rate [m³/h]  | /  | 8          |           | 20            |           | 30            |           | 45            |           |
| Sound power [dB(A)] @2m   | /  | 20         | 22        | 24            | 27        | 28            | 30        | 35            | 37        |
| ENERGY RATING SEC   | A  |            |           |               |           |               |           |               |           |
| Type  | Bidirectional UVR                              |            |           |               |           |               |           |               |           |
| Type of recovery system   | Regenerative type HRC3b                        |            |           |               |           |               |           |               |           |
| Filtration class  | G2   |            |           |               |           |               |           |               |           |
| Filter signal   | Red flashing light indication on front fixture |            |           |               |           |               |           |               |           |
| Internet address with pre-assembly and disassembly instructions | www.tecnosystemi.com                           |            |           |               |           |               |           |               |           |

## PICO BASIC 60

| TECHNICAL DATA  | Standby  | NIGHT      |           | minimum speed |           | Average speed |           | Maximum speed |           |
|---|--|------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|
|   |  | Extraction | Immission | Extraction    | Immission | Extraction    | Immission | Extraction    | Immission |
| Mode  | /  |            |           |               |           |               |           |               |           |
| Consumption [W]   | <1   | 1.7        |           | 3             |           | 4.5           |           | 7             |           |
| Air flow rate [m³/h]  | /  | 11         |           | 30            |           | 40            |           | 60            |           |
| Sound power [dB(A)] @2m   | /  | 24         | 28        | 30            | 32        | 35            | 38        | 40            | 41        |
| ENERGY RATING SEC   | A  |            |           |               |           |               |           |               |           |
| Type  | Bidirectional UVR                              |            |           |               |           |               |           |               |           |
| Type of recovery system   | Regenerative type HRC3b                        |            |           |               |           |               |           |               |           |
| Filtration class  | G2   |            |           |               |           |               |           |               |           |
| Filter signal   | Red flashing light indication on front fixture |            |           |               |           |               |           |               |           |
| Internet address with pre-assembly and disassembly instructions | www.tecnosystemi.com                           |            |           |               |           |               |           |               |           |

























## NOTES:

Data according to Regulation (EU) 1253/2014 and Regulation (EU) 1254/2014.  
N/A = not applicable to the type of product

## EASILY CONTROLLED BY REMOTE CONTROL (not included) AND TECNOSYSTEMI APP



## Functionality

| FUNCTION   | PICO BASIC | PICO PRO | PICO PRO+ |   | LED  |
|--|------------|----------|-----------|---|--|
| HEAT RECOVERY  |            | ✓        |           |    |   |
| EXTRACTION   |            | ✓        |           |    |   |
| IMMISSION  |            | ✓        |           |    |   |
| HEAT RECOVERY HUMIDITY THRESHOLD                               |            | ✓        |           |    |   |
| HUMIDITY EXTRACTION THRESHOLD                                  |            | ✓        |           |    |   |
| AIR EXCHANGE   | /          |          | ✓         |    | /  |
| FREE COOLING   | /          |          | ✓         |    |   |
| FREE HEATING   | /          |          | ✓         |    |   |
| CO2 HEAT RECOVERY THRESHOLD                                    | /          |          | ✓         |    |   |
| CO2 EXTRACTION THRESHOLD                                       | /          |          | ✓         |    |   |
| CO2 HUMIDITY HEAT RECOVERY THRESHOLD                           | /          |          | ✓         |    |   |
| CO2 HUMIDITY EXTRACTION THRESHOLD                              | /          |          | ✓         |   |  |
| NIGHT MODE   |            | ✓        |           |  | /  |
| MASTER/SLAVE CASCADE MODE                                      |            | ✓        |           |   | /  |
| FILTER MAINTENANCE INDICATION                                  |            | ✓        |           |   | /  |
| DEACTIVATING / ACTIVATING WIFI                                 |            | ✓        |           |   | /  |
| LED SWITCH-OFF   |            | ✓        |           |   | /  |
| INTEGRATION WITH VOICE ASSISTANTS (Google HOME - AMAZON ALEXA) |            | ✓        |           |   | /  |
| DAMPER   | /          |          | ✓         |   | /  |
| REMOTE CONTROL   | (1)        |          | ✓         |   | /  |

## Functionality

- Recovery mode
- Extraction mode
- Immission mode
- Recovery with humidity threshold
- Extraction with moisture threshold
- Natural recirculation
- Maintenance of filters

ITEMS

| CODE      | DESCRIPTION   |
|-----------|---|
| ACD100060 | HEAT RECOVERY UNIT - PICO BASIC 30  |
| ACD100061 | HEAT RECOVERY UNIT - PICO BASIC 45  |
| ACD100062 | HEAT RECOVERY UNIT - PICO BASIC 60  |
| RIC00190  | CERAMIC HEAT EXCHANGER WITH FILTERS FOR "PICO HP2 30" AND "PICO CLEAN 30" |
| RIC00191  | CERAMIC HEAT EXCHANGER WITH FILTERS FOR "PICO HP2 55" AND "PICO CLEAN 55" |
| RIC00192  | CERAMIC HEAT EXCHANGER WITH FILTERS FOR "PICO HP2 80" AND "PICO CLEAN 80" |
| C20002333 | SPARE FILTER CLASS 3 FOR PICO HP2-30 - Ø 100                              |
| C20002336 | SPARE FILTER CLASS 3 FOR PICO HP2-55 - Ø 125                              |
| C20002324 | SPARE FILTER CLASS 3 FOR PICO HP2-80 - Ø 150                              |

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