DATASHEET
rev. 00 - 12/03/2025

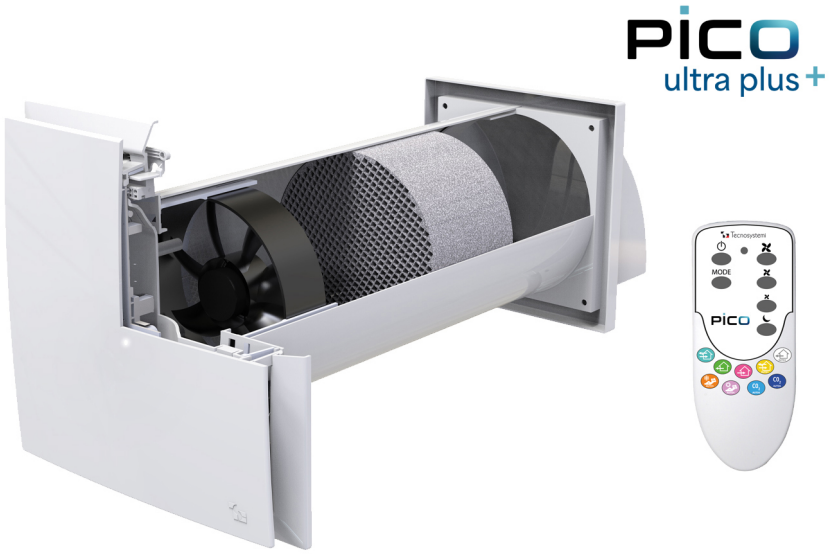
Tecnosystemi group

Patent MADE IN ITALY

PICO ULTRA PLUS +

Wall-mounted spot ventilation unit with heat recovery and timer programming

- cod. ACD100069 - cod. ACD100070 - cod. ACD100071



DESCRIPTION

PICO ULTRA PLUS + is an innovative system designed to improve thermal comfort and indoor air quality in residential environments.
Bidirectional Operation: PICO ULTRA PLUS + operates in both airflow directions, allowing it to provide ventilation and heat recovery according to the room's requirements. This helps maintain a comfortable indoor climate throughout the year.
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 ULTRA PLUS + ensures effective ventilation and adequate air renewal within indoor spaces, improving indoor air quality and contributing to the well-being of occupants.
High Efficiency: PICO ULTRA PLUS + features a high-performance integrated exhaust fan with heat recovery efficiency of up to 90%. This is made possible by a ceramic honeycomb heat exchanger, which maximizes thermal efficiency.
Easy Installation and Maintenance: PICO ULTRA PLUS + is designed for easy installation and requires simple maintenance. This simplifies system management and reduces 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 unit is equipped with an automatic closing damper and remote control, supplied as standard.
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 PICO functions can also be controlled via the APP through a remote or local wifi connection directly from your smartphone or tablet, simply and intuitively.

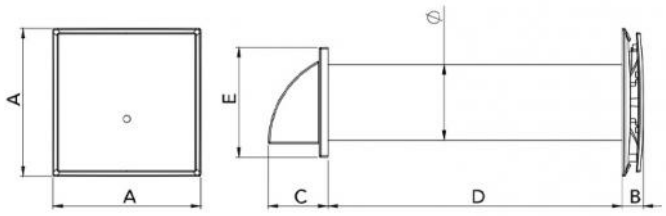
Tecnosystemi S.p.A. - Società Benefit | www.tecnosystemi.com
Plant 1: Via dell'Industria, 2/4 - Plant 2: via Caduti del Lavoro, 7 - Plant 3: via Caduti del Lavoro, 5
Z.I. San Giacomo di Veglia 31029 Vittorio Veneto (Treviso) - Italy
Phone +39 0438 500 044 | Fax +39 0438 501 516 | **n. verde 800 904474 (only for Italy)**

Apply.Co
Mechanical Controlled Ventilation

Simply download the Tecnosystemi application and pair your device.

FUNCTIONAL FEATURES

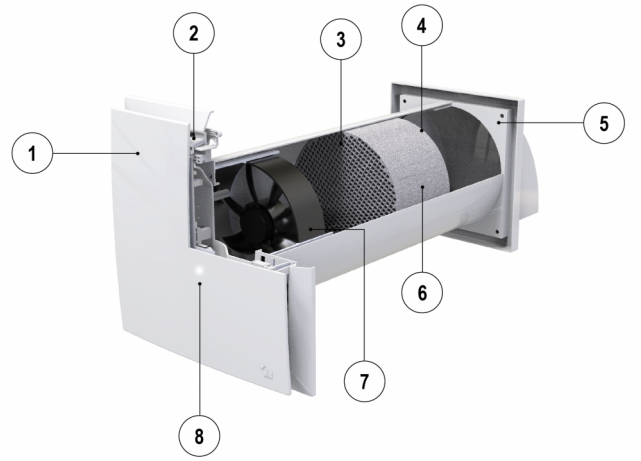
• For wall installation, minimum installation wall thickness: 270 mm
• Front wall thickness 35 mm
• Available with flow rates from 30 to 60 m^3/h
• Energy Class A
• Wi-fi control mode 2.4 GHz via APP: local or remote connection
• Integration Voice assistants and Google Home
• Automatic closing damper
• Comfort – CO_2 Threshold – Heat Recovery – Extraction – Supply – Humidity Threshold – Natural Recirculation – Free Cooling – Free Heating – Night Mode – Hourly and Weekly Programming
• MASTER function / SLAVE: Possibility to connect in cascade via WIFI up to 4 slaves
• Slaves configurable in synchronous or asynchronous mode.
• Humidity threshold can be set to 3 different values: 40 - 50 - 60%
• Heat exchanger made of high-efficiency ceramic
• Rating IPX4 (external)
• Fan with low energy consumption, suitable for continuous operation
• Equipped with remote control
• RGB LED on front for mode display
• 4 speeds — min, medium, max and night mode — preset from the remote control and adjustable via the app
• Mounting Hole Sections Ø103 - Ø128 - Ø153
• CO_2 indicators, indoor and outdoor humidity and air quality index in APP
• Weekly programming of hours in 4 bands with mode and operating speed setting via APP.



DIMENSIONS

CODE	MODEL	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	Ø [mm]	WEIGHT [kg]
ACD100069	PICO ULTRA PLUS + 30	250	35	86	500	154	103	2,0
ACD100070	PICO ULTRA PLUS + 45	250	35	101	500	186	128	2,2
ACD100071	PICO ULTRA PLUS + 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 /Time programming
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 ULTRA PLUS + 30

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

PICO ULTRA PLUS + 45

TECHNICAL DATA	TECHNICAL DATA	Standby	NIGHT	NIGHT	minimum speed	minimum speed	Average speed	Average speed	Maximum speed	Maximum speed
Mode	Mode	/	Extraction	Immission	Extraction	Immission	Extraction	Immission	Extraction	Immission
Consumption [W]	Consumption [W]	<1	1.5	1.5	2	2	3	3	4.5	4.5
Air flow rate [m³/h]	Air flow rate [m³/h]	/	8	8	20	20	30	30	45	45
Sound pressure [dB(A)] @2m	Sound pressure [dB(A)] @2m	/	20	22	24	27	28	30	35	37
ENERGY RATING SEC	ENERGY RATING SEC	A	A	A	A	A	A	A	A	A
Type	Type	Bidirectional UVR	Bidirectional UVR	Bidirectional UVR	Bidirectional UVR	Bidirectional UVR	Bidirectional UVR	Bidirectional UVR	Bidirectional UVR	Bidirectional UVR
Type of recovery system	Type of recovery system	Regenerative type HRC3b	Regenerative type HRC3b	Regenerative type HRC3b	Regenerative type HRC3b	Regenerative type HRC3b	Regenerative type HRC3b	Regenerative type HRC3b	Regenerative type HRC3b	Regenerative type HRC3b
Filtration class	Filtration class	G2	G2	G2	G2	G2	G2	G2	G2	G2
Filter signal	Filter signal	Red flashing light indication on front fixture	Red flashing light indication on front fixture	Red flashing light indication on front fixture	Red flashing light indication on front fixture	Red flashing light indication on front fixture	Red flashing light indication on front fixture	Red flashing light indication on front fixture	Red flashing light indication on front fixture	Red flashing light indication on front fixture
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PICO ULTRA PLUS + 60

TECHNICAL DATA	TECHNICAL DATA	Standby	NIGHT	NIGHT	minimum speed	minimum speed	Average speed	Average speed	Maximum speed	Maximum speed
Mode	Mode	/	Extraction	Immission	Extraction	Immission	Extraction	Immission	Extraction	Immission
Consumption [W]	Consumption [W]	<1	1.7	1.7	3	3	4.5	4.5	7	7
Air flow rate [m³/h]	Air flow rate [m³/h]	/	11	11	30	30	40	40	60	60
Sound pressure [dB(A)] @2m	Sound pressure [dB(A)] @2m	/	24	28	30	32	35	38	40	41
ENERGY RATING SEC	ENERGY RATING SEC	A	A	A	A	A	A	A	A	A
Type	Type	Bidirectional UVR	Bidirectional UVR	Bidirectional UVR	Bidirectional UVR	Bidirectional UVR	Bidirectional UVR	Bidirectional UVR	Bidirectional UVR	Bidirectional UVR
Type of recovery system	Type of recovery system	Regenerative type HRC3b	Regenerative type HRC3b	Regenerative type HRC3b	Regenerative type HRC3b	Regenerative type HRC3b	Regenerative type HRC3b	Regenerative type HRC3b	Regenerative type HRC3b	Regenerative type HRC3b
Filtration class	Filtration class	G2	G2	G2	G2	G2	G2	G2	G2	G2
Filter signal	Filter signal	Red flashing light indication on front fixture	Red flashing light indication on front fixture	Red flashing light indication on front fixture	Red flashing light indication on front fixture	Red flashing light indication on front fixture	Red flashing light indication on front fixture	Red flashing light indication on front fixture	Red flashing light indication on front fixture	Red flashing light indication on front fixture
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NOTES:

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

EASILY CONTROLLED WITH REMOTE CONTROL OR WITH APP TECNOSYSTEMI





Functionality

FUNCTION	PICO PRO	PICO ULTRA PLUS+		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	✓	✓	/	/
SCHEDULE	/	✓	/	/
REMOTE CONTROL	✓	✓	/	/

ITEMS

CODE	DESCRIPTION
ACD100069	HEAT RECOVERY UNIT - 'PICO ULTRA PLUS 30'
ACD100070	HEAT RECOVERY UNIT - 'PICO ULTRA PLUS 45'
ACD100071	HEAT RECOVERY UNIT - 'PICO ULTRA PLUS 60'

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