PICO

MADE IN ITALY

Tecnosystemi introduces the new

Static wall-mounted aspirator-extractor with point heat recovery

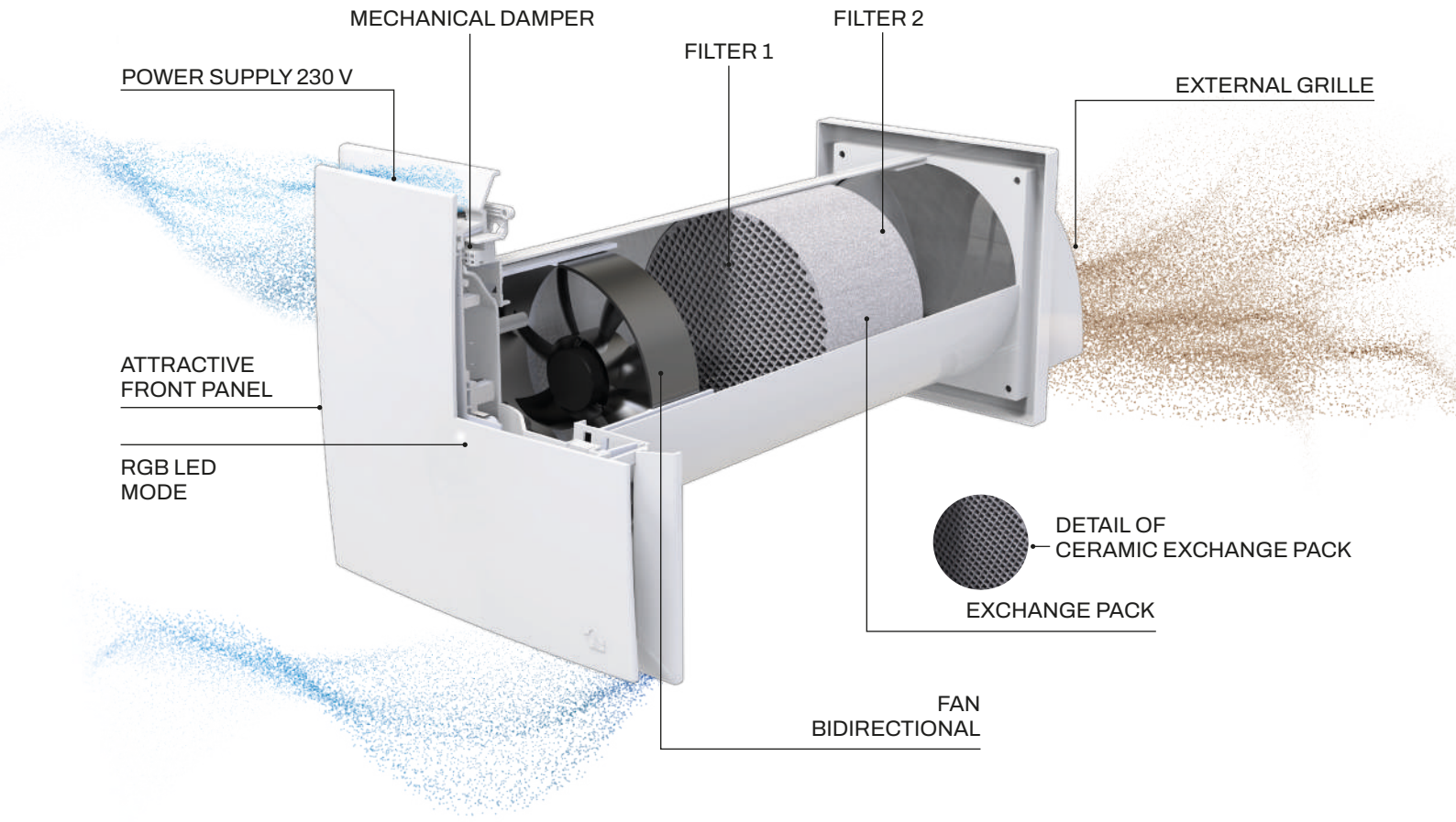


image referring to PICO BASIC, PICO PRO, PICO PRO +

WITHOUT PICO

WITH PICO

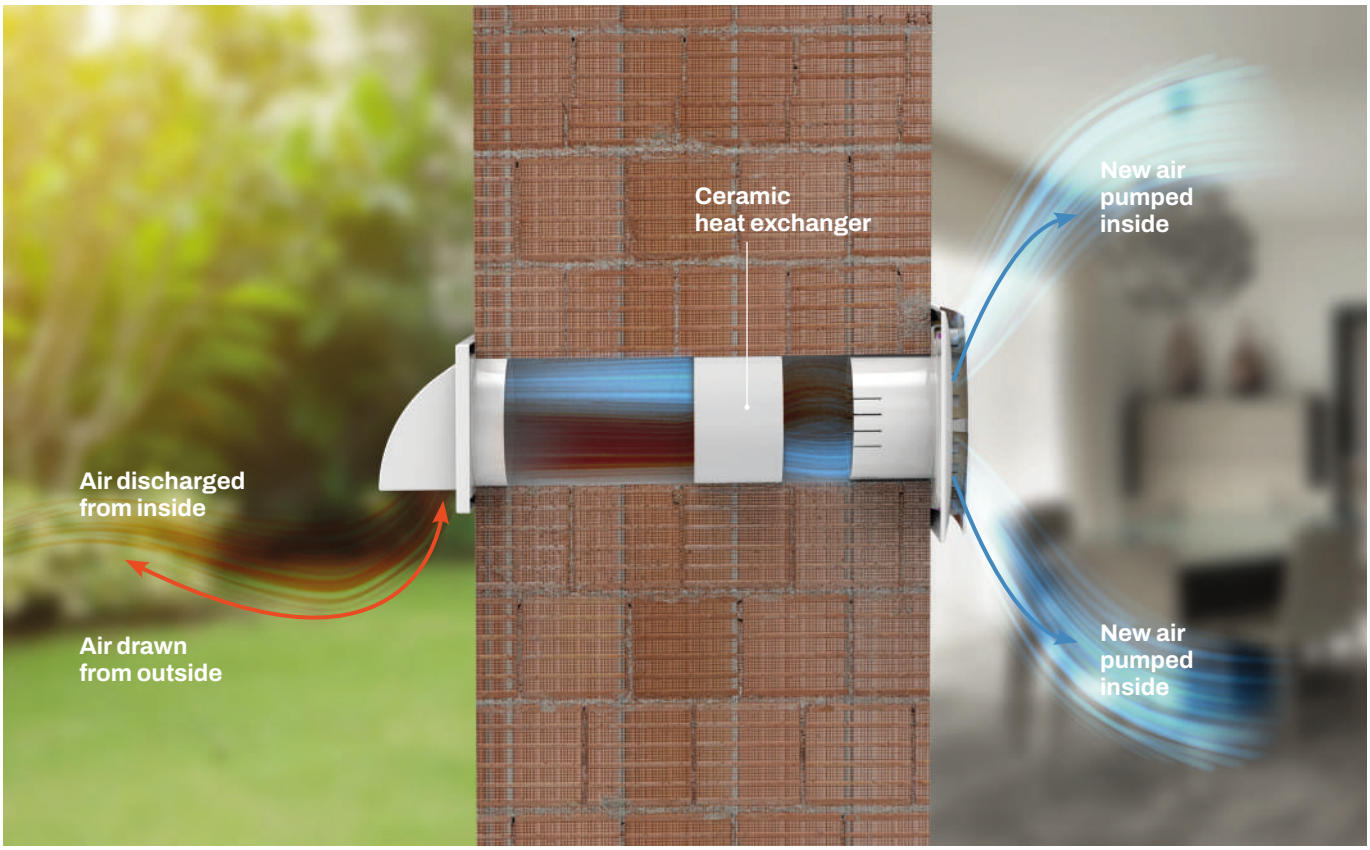
PICO

MADE IN ITALY

Why install Pico?

PICO PRO + is an innovative system designed to improve thermal comfort and indoor air quality in residential environments.

PICO is capable of operating in both directions, which means it can be used to ventilate and recover room heat as required. **This allows maintaining a comfortable microclimate in all seasons.**



Energy saving

This system is designed to maximise energy savings, thus reducing the costs associated with heating and cooling indoor spaces. Its efficient operation helps to reduce environmental impact.

Optimised ventilation

PICO ensures effective ventilation and adequate air exchange within rooms, improving air quality and contributing to the well-being of occupants.

High performance

The aspirator-extractor integrated in PICO offers high efficiency, with an extraction capacity of up to 90%. This is made possible by the presence of a honeycomb heat exchanger made of ceramic material, which maximises thermal efficiency.

Easy installation and maintenance

PICO is designed for easy installation and maintenance. This simplifies the management of the system by reducing maintenance costs over time.

Remote control included

PICO

Pico ON/OFF

Speed Change

Maximum speed
(Humidity value 60%)

Mode Key

Average speed
(Humidity value 50%)

Minimum speed
(Humidity value 40%)

NIGHT

RECOVERY UNIT

The system runs for 70 seconds in suction mode and 70 seconds in intake mode, with the possibility of adjusting the three speeds.

EXTRACTION-HUMIDITY THRESHOLD

The system monitors the humidity in the environment. If the humidity in the room exceeds the humidity threshold, which can be set to 40%, 50% or 60%, the unit will operate in extraction-only mode until the humidity drops to the required level.

EXTRACTION MODE

The system operates in room air extraction mode only, with the possibility of adjusting the three speeds.

RECOVERY-HUMIDITY THRESHOLD

The system monitors the humidity in the environment. If the humidity in the room exceeds the humidity threshold, which can be set to 40%, 50% or 60%, the unit will operate in recovery mode until the humidity drops to the required level.

COMFORT - SUMMER FREE COOLING

The system monitors indoor and outdoor temperature.
When the outdoor temperature is lower than the indoor temperature, the recovery unit switches to intake mode at the pre-set speed. When the temperature value is restored, the machine returns to stand-by mode.

EXTRACTION - C02 THRESHOLD

The system monitors the CO2 in the environment.
If the 800 ppm threshold is exceeded, the recovery unit switches to extraction mode at maximum speed.

COMFORT - WINTER FREE HEATING

The system monitors indoor and outdoor temperature.
When the outdoor temperature is higher than the indoor temperature, the recovery unit switches to intake mode at the pre-set speed. When the temperature value is restored, the machine returns to stand-by mode.

INTAKE MODE

The system works in intake mode by sucking air from outside the house and feeding it into the room; it is possible to adjust the three speeds.

RECOVERY - C02 THRESHOLD

The system monitors the CO2 in the environment.
If the 800 ppm threshold is exceeded, the recovery unit switches to recovery mode at maximum speed.

New application
New functionalities

Available from **April 2024**

-> *Local or remote control*

-> *Speed modulation*

-> *Night mode for better sleep*

Tecnosystemi

FREE APP AVAILABLE ON:

Available on the App Store

GET IT ON Google Play

VOICE COMMANDS AVAILABLE ON:

amazon alexa

Google Home

PICO

Breathe fresh air!

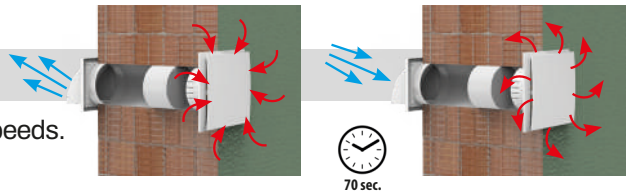
Eradicate mould and humidity… avoiding unnecessary costs and improving the quality of your life!

Apply.co by Tecnosystemi

OPERATING MODES

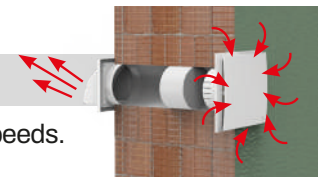
REGENERATOR

The air flow is alternated and it is possible to adjust the three speeds.



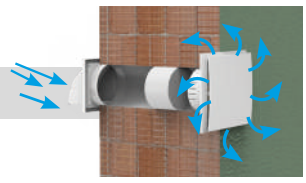
EXTRACTION

The device works in internal air extraction mode only, with the option to regulate the three speeds.



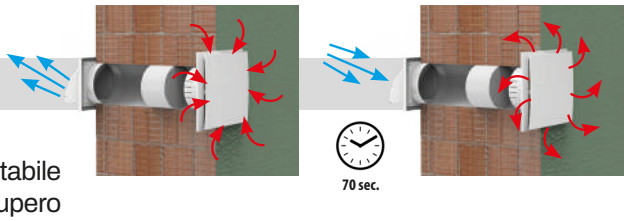
AERATION

The recuperator works in aeration mode only and it is possible to adjust the three speeds.



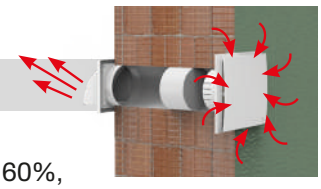
HUMIDITY THRESHOLD RECOVERY

Il sistema monitora l'umidità dell'ambiente.
Quando l'aria nell'ambiente supera la soglia di umidità impostabile al 40%, 50% o 60%, l'apparecchio si attiva in funzione di recupero fino a riportare l'umidità entro il valore richiesto.



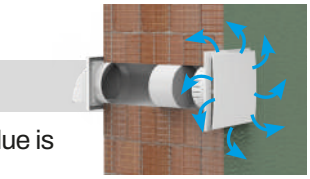
HUMIDITY THRESHOLD EXTRACTION

The system monitors the humidity of the environment.
When the air in the room exceeds the humidity threshold which can be set at 40%, 50% or 60%, the appliance activates in extraction only mode until the humidity is brought back within the required value.



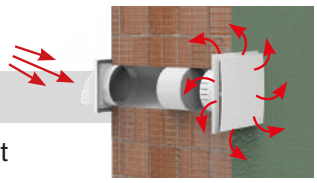
SUMMER COMFORT FREE COOLING

If, when comparing the external and internal temperatures, it is verified that the external value is lower than the internal one, the recuperator switches to medium speed input mode.



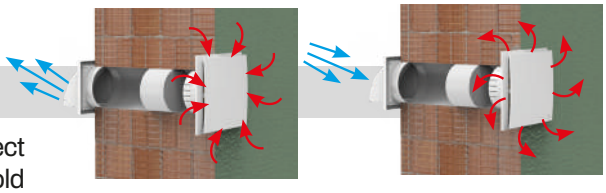
DESCRIPTION	REGENERATOR	EXTRACTION	AERATION	SETTING HUMIDITY VALUE	Wi-Fi	AUTO 1	AUTO 2	AUTO 3
PICO BASIC 30	•	•	•	•	•	•	•	
PICO BASIC 45	•	•	•	•	•	•	•	
PICO BASIC 60	•	•	•	•	•	•	•	
PICO PRO 30	•	•	•	•	•	•	•	
PICO PRO 45	•	•	•	•	•	•	•	
PICO PRO 60	•	•	•	•	•	•	•	
PICO PRO+ 30	•	•	•	•	•	•	•	•
PICO PRO+ 45	•	•	•	•	•	•	•	•
PICO PRO+ 60	•	•	•	•	•	•	•	•

WINTER COMFORT FREE HEATING



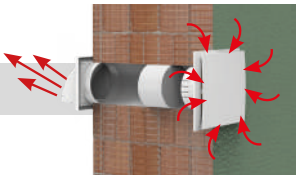
If the external temperature is higher than the internal one, the recuperator switches to input mode at medium speed. The LED remains pink.

CO_2 THRESHOLD RECOVERY



The extraction ventilation is activated at minimum to detect the CO_2 value of the internal room. When the CO_2 threshold is exceeded, the recuperator switches to recovery mode at maximum speed. The factory set CO_2 value is 800ppm.

CO_2 THRESHOLD EXTRACTION



Extraction ventilation is activated at minimum to detect the CO_2 value of the internal room. When the CO_2 threshold is exceeded, the recuperator switches to extraction mode at maximum speed.
The factory set CO_2 value is 800 ppm.

HUMIDITY THRESHOLD EXTRACTION + CO_2 (only from app)

The extraction ventilation is activated at minimum to detect the CO_2 and humidity value of the internal room. When the CO_2 and humidity thresholds are exceeded, the recuperator switches to recovery mode at maximum speed.

HUMIDITY THRESHOLD RECOVERY + CO_2 (only from app)

Extraction ventilation is activated at minimum to detect the CO_2 and humidity value of the internal room. When the CO_2 and humidity thresholds are exceeded, the recuperator switches to extraction mode at maximum speed.

NATURAL EXCHANGE (only from app)

The damper is opened without activating the fans.

NIGHT MODE

Once selected, night mode turns off the LED and sets the super minimum speed.

	AUTO 4	AUTO 5	AUTO 6	AUTO 7	AUTO 8	NATURAL EXCHANGE	SERRANDA	MASTER / SLAVE	NIGHT MODE	INDICATION FILTERS MAINTENANCE
									•	•
									•	•
									•	•
						•	•	•	•	•
						•	•	•	•	•
						•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•

PICO PRO

NEW

ASPIRATOR, STATIC EXTRACTOR WITH SPOT HEAT RECOVERY, WALL-MOUNTED

TECHNICAL CHARACTERISTICS

- FOR WALL-MOUNTED INSTALLATION, MINIMUM INSTALLATION WALL THICKNESS: 270MM
- PANEL THICKNESS FROM WALL 35 MM
- AVAILABLE WITH CAPACITY FROM 30 TO 60 M3/H
- ENERGY CLASS A
- WI-FI 2.4 GHZ CONTROL VIA APP: LOCAL OR REMOTE CONNECTION
- VOICE ASSISTANT AND GOOGLE HOME INTEGRATION
- AUTOMATIC CLOSING DAMPER
- FUNCTIONS: COMFORT – HUMIDITY LIMIT – NATURAL RECIRCULATION – NIGHT MODE
- MASTER / SLAVE FUNCTION: POSSIBILITY TO CONNECT UP TO 4 SLAVES IN CASCADE VIA WI-FI
- SLAVES CONFIGURABLE IN SYNCHRONOUS OR ASYNCHRONOUS MODE.
- 3 DIFFERENT HUMIDITY LIMIT SETTINGS: 40-50 -60%
- HEAT EXCHANGER MADE OF HIGH-EFFICIENCY CERAMIC
- BUILT-IN GRADE G2 FILTERS
- FAN WITH LOW ENERGY CONSUMPTION, SUITABLE FOR CONTINUOUS OPERATION
- EQUIPPED WITH REMOTE CONTROL
- RGB LED ON CONTROL PANEL TO VIEW SETTINGS
- 4-SPEED, MIN, MED, MAX AND NIGHT MODE, ADJUSTABLE VIA APP
- POWER SUPPLY 230V 50-60HZ CLASS II
- IP RATING IP22
- ASSEMBLY HOLE Ø103 - Ø128 – Ø153
- FOR EXTENSION TUBES SEE PROJECT WIND P.212

ASPIRATEUR, EXTRACTEUR STATIQUE AVEC RÉCUPÉRATEUR DE CHALEUR PONCTUEL MURAL

CARACTÉRISTIQUES TECHNIQUES

- POUR INSTALLATION MURALE, ÉPAISSEUR MINIMALE DU MUR D'INSTALLATION : 270 MM
- ÉPAISSEUR DU TABLEAU DE BORD À PARTIR DU MUR 35 MM
- DISPONIBLES AVEC DÉBITS DE 30 À 60 M3/H
- CLASSE ÉNERGÉTIQUE A
- MODE DE CONTRÔLE WI-FI 2.4 GHZ PAR APP : CONNEXION LOCALE OU À DISTANCE
- INTÉGRATION ASSISTANTS VOCAUX ET GOOGLE HOME
- REGISTRE AUTOMATIQUE DE FERMETURE
- FONCTIONS : CONFORT – SEUIL HUMIDITÉ – RECIRCULATION NATURELLE – MODE NIGHT
- FONCTION MAÎTRE / ESCLAVE : POSSIBILITÉ DE CONNECTER EN CASCADE VIA WIFI JUSQU'À 4 ESCLAVES
- ESCLAVES CONFIGURABLES EN MODE SYNCHRONE OU ASYNCHRONE.
- LE SEUIL D'HUMIDITÉ PEUT ÊTRE RÉGLÉ SUR 3 VALEURS DIFFÉRENTES : 40 - 50 - 60 %
- ÉCHANGEUR DE CHALEUR EN CÉRAMIQUE À HAUTE EFFICACITÉ
- FILTRES DE QUALITÉ G2 INTÉGRÉS
- VENTILATEUR À FAIBLE CONSOMMATION D'ÉNERGIE, CONVIENT POUR UN FONCTIONNEMENT CONTINU
- ÉQUIPÉ D'UNE TÉLÉCOMMANDE
- LED RGB SUR LE TABLEAU DE BORD POUR AFFICHAGE DES RÉGLAGES
- 4 VITESSES, MIN, MED, MAX ET NIGHT MODE, MODULABLES DEPUIS L'APP
- ALIMENTATION 230V 50-60HZ CLASSE II
- DEGRÉ IP IP22
- SECTION TROU DE MONTAGE Ø103-Ø128–Ø153
- POUR TUYAUX DE RALLONGE, VOIR PROJECT WIND PAGE 212

STATISCHER ABSAUGER - ABZIEHER MIT WÄRMERÜCKGEWINNUNG „PUNKT ZU PUNKT" FÜR WANDMONTAGE

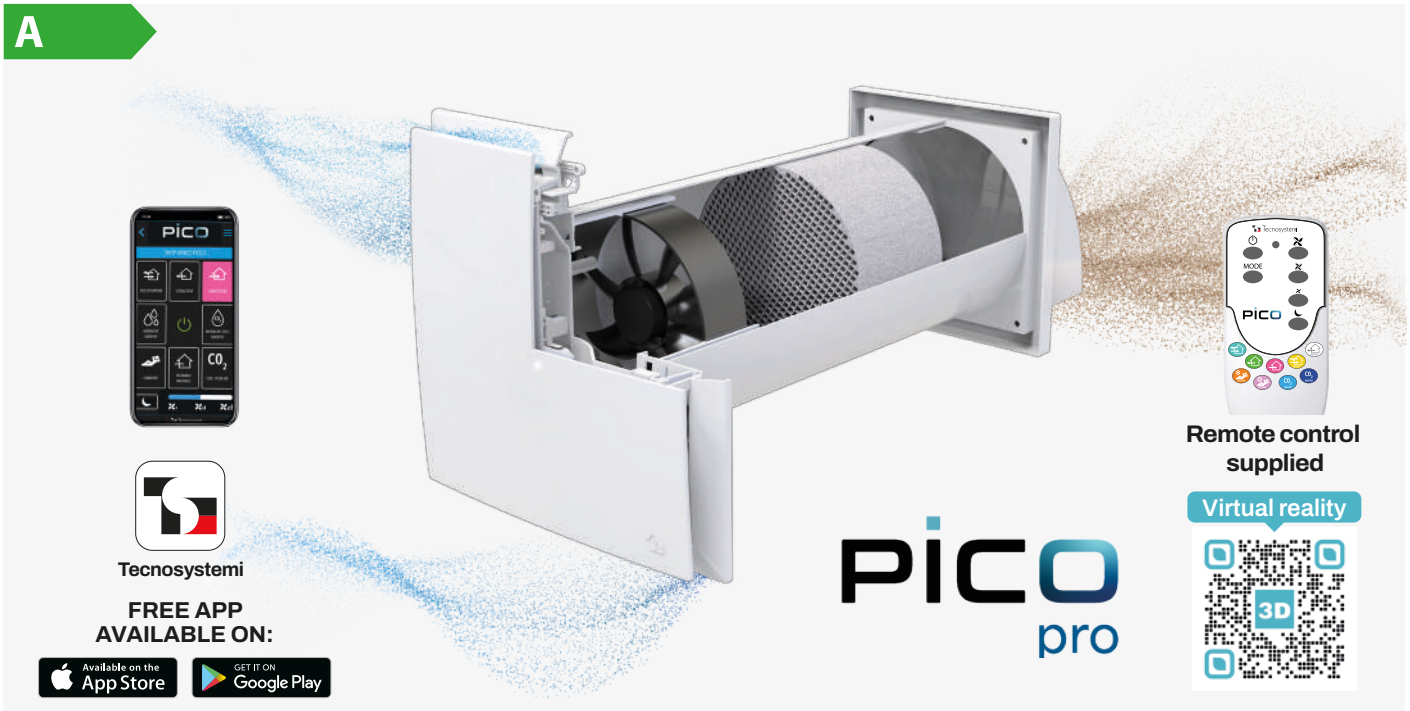
TECHNISCHE MERKMALE

- FÜR WANDMONTAGE, MINDESTSTÄRKE WANDMONTAGE: 270 MM
- ARMATURENBRETTSTÄRKE VON DER WAND 35 MM
- VERFÜGBAR MIT DURCHSÄTZEN VON 30 BIS 60 M3/H
- ENERGIEEFFIZIENZKLASSE A
- KONTROLLMODUS WI-FI 2.4 GHZ ÜBER APP: LOKALE ODER FERNVERBINDUNG
- INTEGRATION VON SPRACHASSISTENTEN UND GOOGLE HOME
- AUTOMATISCHE VERSCHLUSSKLAPPE
- FUNKTIONEN: KOMFORT – LUFTFEUCHTIGKEITSSCHWELLE – NATÜRLICHE UMWÄLZUNG – MODUS NIGHT
- FUNKTION MASTER / SLAVE: MÖGLICHKEIT DER KASKADENSCHALTUNG VIA WIFI BIS ZU 4 SLAVE
- SLAVE KONFIGURIERBAR IM SYNCHRONEN ODER ASYNCHRONEN MODUS.
- DIE FEUCHTIGKEITSSCHWELLE KANN AUF 3 VERSCHIEDENE WERTE EINGESTELLT WERDEN: 40 - 50 - 60%
- WÄRMETAUSCHER AUS HOCHEFFIZIENTEM KERAMIKMATERIAL
- EINGEBAUTE FILTER, GRAD G2
- LÜFTER MIT GERINGEM ENERGIEVERBRAUCH, FÜR DAUERBETRIEB GEEIGNET
- MIT FERNBEDIENUNG
- LED RGB AUF ARMATURENBRETT ZUR VISUALISIERUNG DER EINSTELLUNGEN
- 4 GESCHWINDIGKEITEN, MIN, MED, MAX UND NIGHT MODE, MODULIERBAR ÜBER APP
- STROMVERSORGUNG 230V 50-60HZ CLASS II
- IP-SCHUTZART IP22
- QUERSCHNITTE MONTAGEBOHRUNG Ø103 - Ø128 – Ø153
- FÜR VERLÄNGERUNGSROHRE SIEHE PROJECT WIND S. 212

Available from April 2024

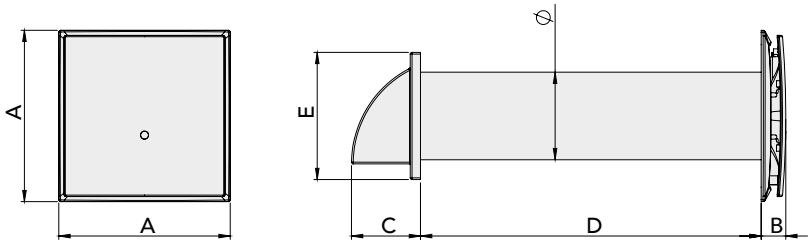
MADE IN ITALY CE

A



PICO PRO

NEW



PICO pro

DIMENSIONS AND MODELS	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	Ø [mm]
PICO PRO 30	250	35	86	500	154	103
PICO PRO 45	250	35	101	500	186	128
PICO PRO 60	250	35	101	500	186	153

PICO PRO 30

TECHNICAL DATA	Standby	NIGHT		Min. 1 speed		Min. 2 speed		Min. 3 speed	
Mode	-	Extraction	Ventilation	Extraction	Ventilation	Extraction	Ventilation	Extraction	Ventilation
Consumption [W]	<1W	1.5 W	1.5 W	2 W	2 W	3 W	3 W	4 W	4 W
Air flow rate [m³/h]	-	6	6	10	10	18	20	26	30
Sound power [dB(A)]	-	18	19	22	23	26	27	29	32
SEC Energy Class	A								
Type	UVR Dual Flow								
Type of heat recovery unit	Regenerative type HRC3b								
Filtration class	G2								

PICO PRO 45

TECHNICAL DATA	Standby	NIGHT		Min. 1 speed		Min. 2 speed		Min. 3 speed	
Mode	-	Extraction	Ventilation	Extraction	Ventilation	Extraction	Ventilation	Extraction	Ventilation
Consumption [W]	<1W	1.5 W	1.5 W	2 W	2 W	3 W	3 W	4.5 W	4.5 W
Air flow rate [m³/h]	-	8	8	21	22	28	32	40	45
Sound power [dB(A)]	-	20	22	24	27	28	30	35	37
SEC Energy Class	A								
Type	UVR Dual Flow								
Type of heat recovery unit	Regenerative type HRC3b								
Filtration class	G2								

PICO PRO 60

TECHNICAL DATA	Standby	NIGHT		Min. 1 speed		Min. 2 speed		Min. 3 speed	
Mode	-	Extraction	Ventilation	Extraction	Ventilation	Extraction	Ventilation	Extraction	Ventilation
Consumption [W]	<1W	1.7 W	1.7 W	3 W	3 W	4.5 W	4.5 W	7 W	7 W
Air flow rate [m³/h]	-	11	11	32	30	46	40	65	60
Sound power [dB(A)]	-	24	28	30	32	35	38	40	41
SEC Energy Class	A								
Type	UVR Dual Flow								
Type of heat recovery unit	Regenerative type HRC3b								
Filtration class	G2								

CODE	DESCRIPTION
ACD100056	PICO PRO 30
ACD100057	PICO PRO 45
ACD100058	PICO PRO 60

Datasheet

THE ADVANTAGES TO CHOOSE THE CMV

IMPROVES INDOOR AIR QUALITY

Indoor air quality (IAQ) refers to the indoor air breathed in confined spaces, such as:

- Homes
- Public and private offices
- Community facilities (hospitals, schools, offices, barracks, hotels, banks)
- Environments intended for recreational and social activities (cinemas, bars, restaurants, shops, sports facilities)
- Public and/or private means of transport (car, train, plane, ship, etc.).

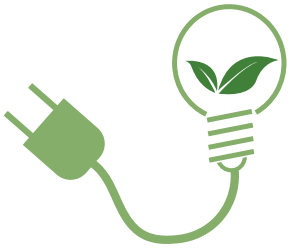
Thanks to Tecnosystemi's CMV products we have improved air quality, SAVING MONEY !

With ventilation it is possible to renew the stale air of an environment, replacing it with cleaner air and to dilute the concentration of harmful substances produced by internal sources; moreover it is also possible to eliminate the excess water vapour;

Room ventilation therefore plays an important role in ensuring good indoor air quality and relative humidity (or hygrometric degree) provides useful information on room ventilation.

ENERGY SAVING

Controlled mechanical ventilation systems allow constant and continuous air exchange, allowing the house to breathe without having to open the windows. This makes it possible to limit **heat loss (energy saving) and mould; the indoor air is filtered and makes the environment optimal for allergy sufferers.**



THE EUROPEAN DIRECTIVES

ERP Directive

The Tecnosystemi products comply with the ERP ECODESIGN Directive (Energy Related Products) 2009/125/EC.

The European Union has undertaken, with the adoption of the Kyoto protocol, to reduce CO_2 emissions by at least 20% by 2020. To achieve this goal, the ErP Directive 2009/125/EC ***(Energy related Products Directive)***, also called the Ecodesign Directive, was introduced in 2009, which aims to establish a framework for the development of Community specifications for the eco-compatible design of products connected to energy.