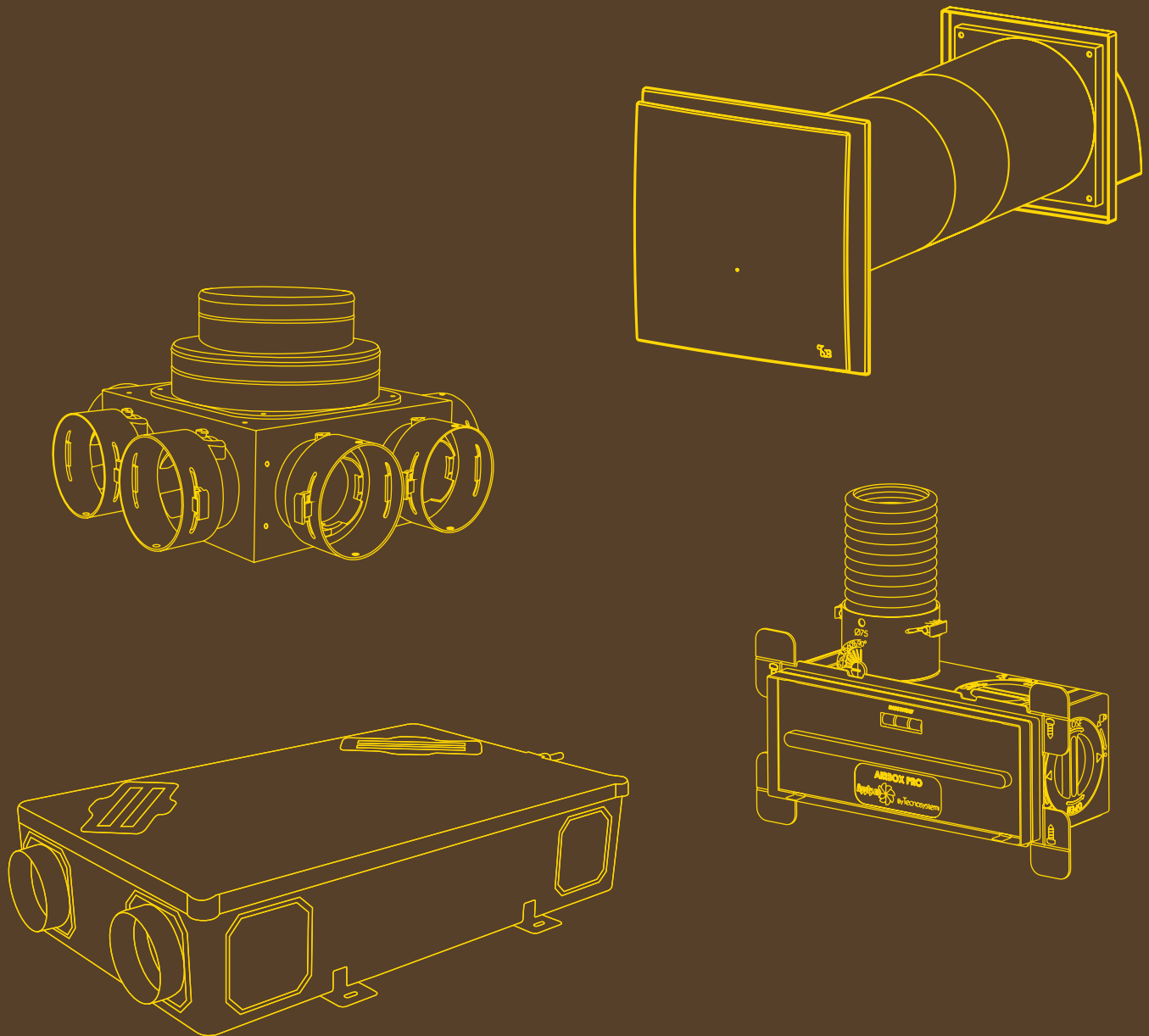






# Apply.Co

Mechanical Ventilation Heat Recovery



**Apply.Co is for installers and designers who intend to create valuable MVHR systems by combining high efficiency heat recovery units (from 75% to 90%) with air diffusion elements, using accessories that are easy and quick to install.**

The use of high quality components and machines allow for excellent results in terms of performance and comfort.

# PRODUCT INDEX

10

Built-in static extractors  
"PICO PRO" and "PICO PRO +"  
Wall-mounted ventilation unit  
with heat exchanger "TS-DUAL FLOW"



28

Built-in and wall-mounted  
ductable static heat recovery unit  
"AIR PUR 3 PLUS WI/WI-C"



35

Wall-mounted residential  
heat recovery unit  
"SILENCE AIR PLUS"



40

Analysable high-efficiency  
ceiling-mounted static  
heat recovery unit  
"TOTAL AIR 200"



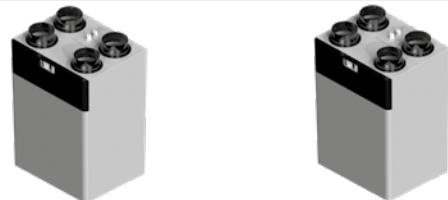
42

Ventilation unit with  
heat recovery "TS-HRVU"  
Enthalpic heat recovery  
unit "TS-ERVU"



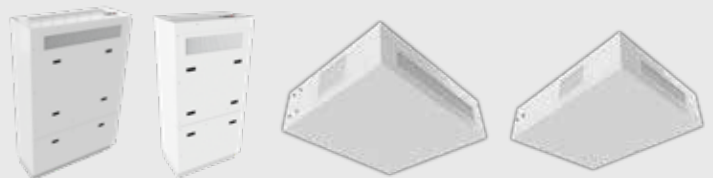
56

Ductable wall-mounted sensible  
heat recovery unit "TS-VERTICAL FLOW"  
Enthalpic wall-mounted  
heat recovery unit "TS-VERTICAL FLOW-E"



62

"TOTAL CLASS" non-ducted  
ventilation unit with  
horizontal/vertical structure



65

Ceiling-mounted ductable  
static heat recovery unit  
"AIR PUR EVO +"



68

Ceiling-mounted ductable  
static heat recovery  
unit "AIR PUR EVO"



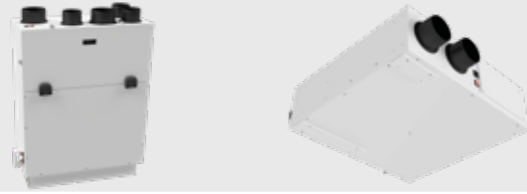
70

The enthalpic heat recovery  
can be ceiling unit ductable  
"HI-TECH PUR 4.0"



73

Heat recovery units with ductable dehumidification unit "TS-HUMITECH"



76

Heat recovery unit with thermodynamic system "AIR DYN SYSTEM"



Ductable ceiling-mounted dehumidifier "DE.CS"

82

Metal sheet insulated ductable box equipped with bactericidal sanitising lamp, single phase speed regulator, probe for heat recovery system



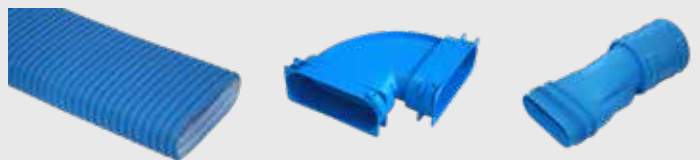
89

EPS tubes and accessories for MVHR  
Round flexible hose air inlet anti-static and accessories



91

Air inlet flexible hose and accessories



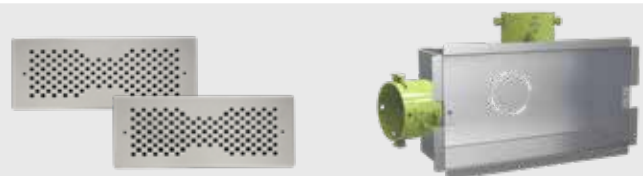
98

Delivery/intake box in PAL for custom MVHR



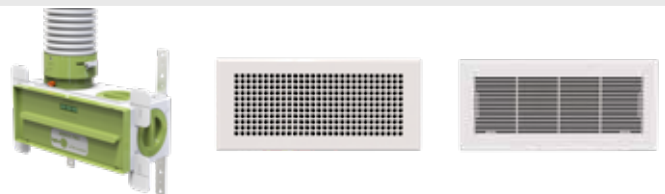
107

Stainless steel grills ceiling / wall / floor plenum



111

Plastic plenum for MVHR  
Grills for plastic plenum MVHR



116

Extractor tower  
In line fans  
Ductable aspirators with vertical / side outlet



123

Electric extractor





## THE ADVANTAGES TO CHOOSE THE MVHR

### ✓ IMPROVES INDOOR AIR QUALITY

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



Public and/or private means of transport (car, train, plane, ship, etc.)



Community facilities (hospitals, schools, offices, barracks, hotels, banks)



Homes, public and private offices



Environments intended for recreational and social activities (cinemas, bars, restaurants, shops, sports facilities)

**Thanks to the ventilation it is possible to renew the stale air of an environment, replacing it with cleaner air and to reduce 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 & MONEY SAVING

Mechanical controlled ventilation systems allow constant and continuous air exchange, permit 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.**



## WALL-MOUNTED POINT RECOVERY UNITS

	 <b>NEW</b>			
<b>PICO</b>	<b>TS DUAL FLOW</b>	<b>AIR PUR 3 PLUS</b>	<b>SILENCE AIR</b>	<b>TOTAL CLASS</b>
From 30 to 60 m <sup>3</sup> /h	70 m <sup>3</sup> /h	From 160 to 300 m <sup>3</sup> /h	150 m <sup>3</sup> /h	400 and 1000 m <sup>3</sup> /h
Class A	Class A	Efficiency 60-76%	Class A	Efficiency 83%
Sensible	Sensible	Sensible	Enthalpic	Sensible
Wall	Parete	Wall	Wall	Wall/Ceiling
			BMS	BMS


## WALL-MOUNTED AND CEILING-DUCTED

		 <b>NEW</b>	
Ceiling	Wall-mounted and ceiling	Wall-mounted and ceiling	Ceiling
<b>TOTAL AIR 200</b>	<b>TS-HRVU</b>	<b>TS-ERVU</b>	<b>AIR PUR EVO PLUS</b>
215 m <sup>3</sup> /h	From 120 to 320 m <sup>3</sup> /h	From 120 to 250 m <sup>3</sup> /h	From 300 to 4000 m <sup>3</sup> /h
Class A	Class A	Class A	Efficiency 75%
Sensible	Sensible	Enthalpic	Sensible
Electronic control	Digital control	Digital control	Electronic control
BMS	BMS	BMS	BMS

		 <b>NEW</b>	 <b>NEW</b>
Ceiling	Ceiling	Wall-mounted	Wall-mounted
<b>AIR PUR EVO</b>	<b>HI TECH PUR 4.0</b>	<b>TS VERTICAL FLOW</b>	<b>TS VERTICAL FLOW-E</b>
From 300 to 4000 m <sup>3</sup> /h	From 250 to 1300 m <sup>3</sup> /h	From 350 to 500 m <sup>3</sup> /h	From 350 to 500 m <sup>3</sup> /h
Efficiency 75%	Efficiency from 73% to 76%	Class A	Class A
Sensible	Enthalpic	Sensible	Enthalpic
Analogue control	Electronic control	Electronic control	Electronic control
	BMS	BMS	BMS

## CANALIZABLE HEAT RECOVERY UNIT WITH DEHUMIDIFICATION FUNCTION


<b>TS-HUMITECH</b>
From 150 to 500 m <sup>3</sup> /h
Class A
Sensible
Electronic control
BMS

## HEAT RECOVERY UNIT WITH THERMODYNAMIC SYSTEM

 <b>NEW</b>
Ceiling
<b>AIR DYN</b>
From 1000 to 2300 m <sup>3</sup> /h
Thermodynamic System
BMS

### LEGEND:

**Sensible:** with recovery of sensible heat only.

**Enthalpic:** with recovery of both sensible heat and humidity (latent heat).

**BMS:** unit suitable for integration into Building Management Systems.

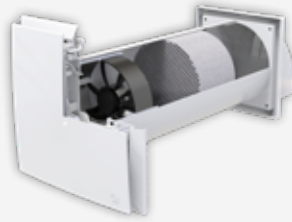
 BUILT-IN STATIC HEAT RECOVERY UNITS

 RÉCUPÉRATEUR DE CHALEUR INTÉGRÉ ET MURAL

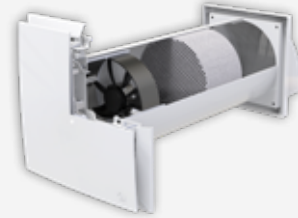
 UNTERPUTZ EINGEBAU-TE DEZENTRALE WÄRMERÜCKGEWINNUNGS-EINHEIT

# PICO

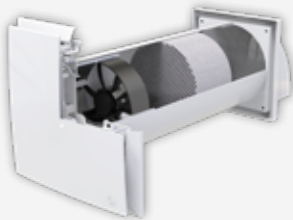
Built-in static aspirators and extractors with heat recovery punctual



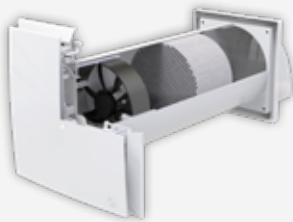
PICO PRO 60



PICO PRO 30



PICO ULTRA + 45



PICO ULTRA + 60



# AIRpur3+ wi



Heat recovery built-in static

 BUILT-IN STATIC HEAT RECOVERY UNITS

 ASPIRATEUR - EXTRACTEUR STATIQUE INTÉGRÉ AVEC RÉCUPÉRATION DE CHALEUR

 EINGEBAUTE ZENTRALE WÄRMERÜCKGEWINNUNGS-EINHEIT



MOD. 160



MOD. 230



MOD. 300

# NOW IT'S EASIER WITH THE NEW SOLUTIONS "SINGLE ROOM"



**AIRpur3+**  
wi-c

Heat recovery  
wall statics



 **BUILT-IN STATIC  
EXTRACTORS  
HEAT RECOVERY UNITS**

 **RÉCUPÉRATEUR  
DE CHALEUR  
INTÉGRÉ ET MURAL**

 **ZENTRALE WÄRME  
RÜCKGEWINNUNGS-EINHEIT**



MOD. 160



MOD. 230



MOD. 300

# TECNOSYSTEMI INTRODUCES THE NEW STATIC WALL-MOUNTED ASPIRATOR-EXTRACTOR WITH PUNCTUAL HEAT RECOVERY

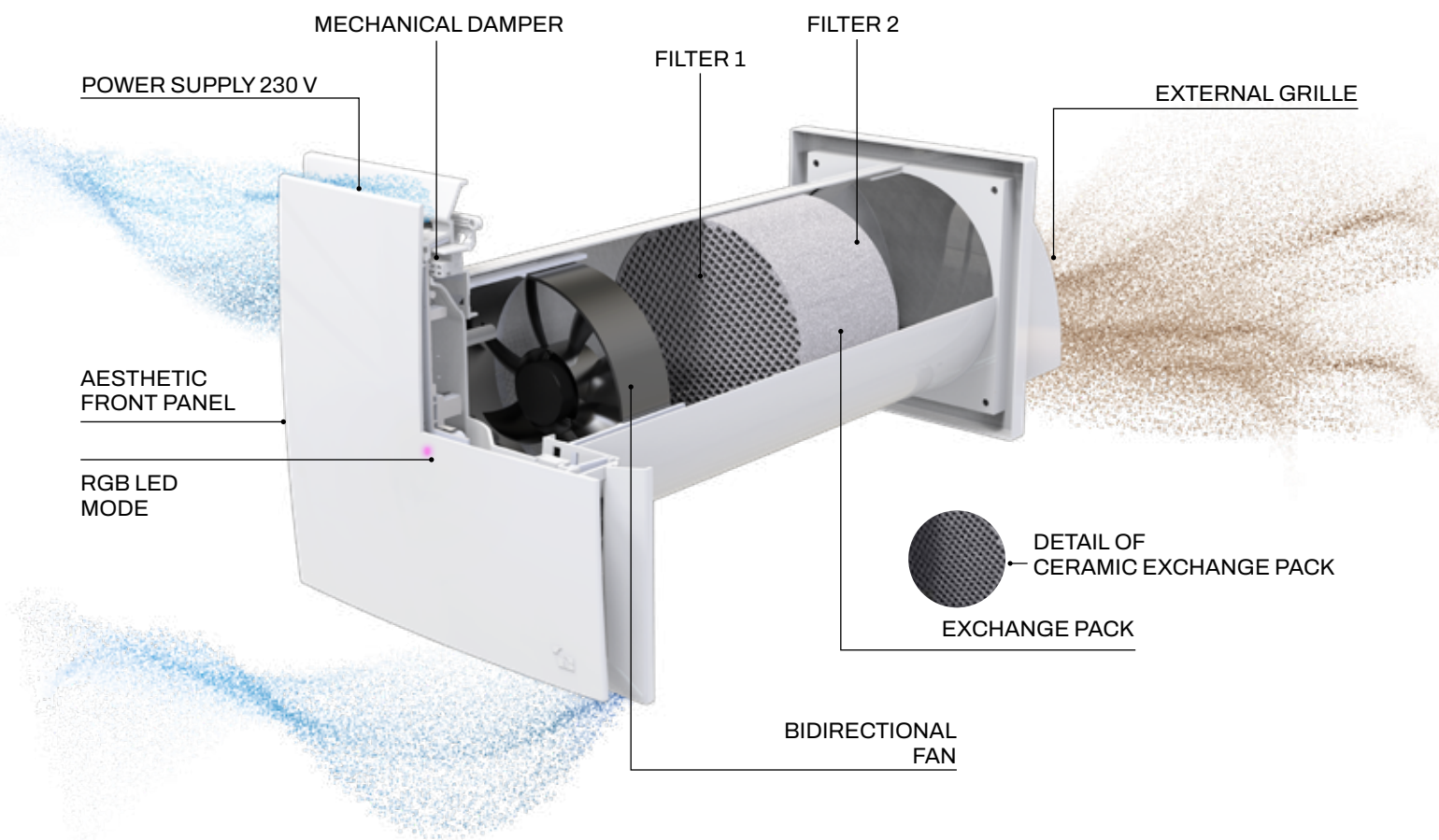
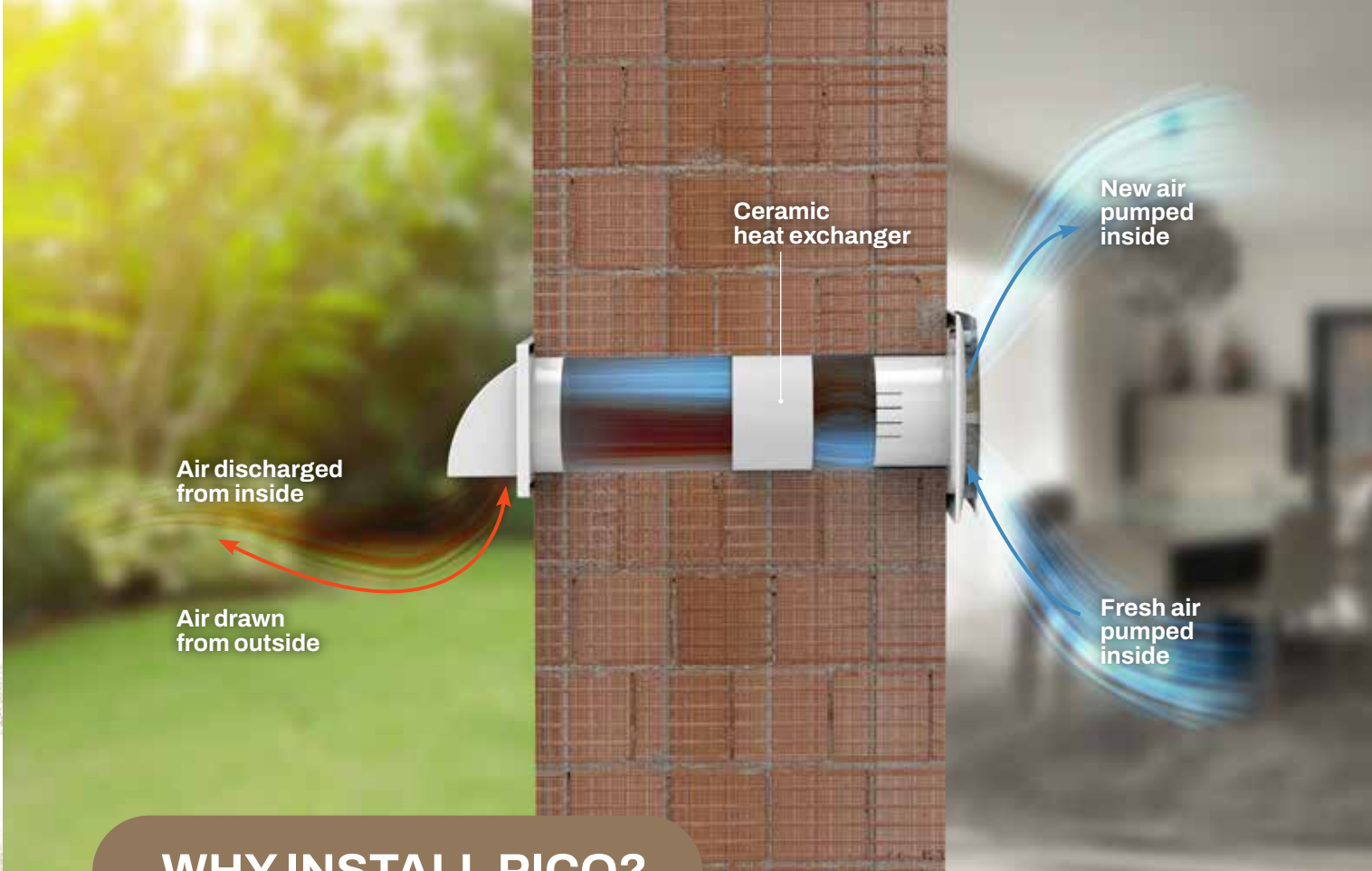


Image referring to PRO and PRO +





## WHY INSTALL PICO?

**PICO is an innovative system designed to improve thermal comfort and indoor air quality in residential houses.**

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

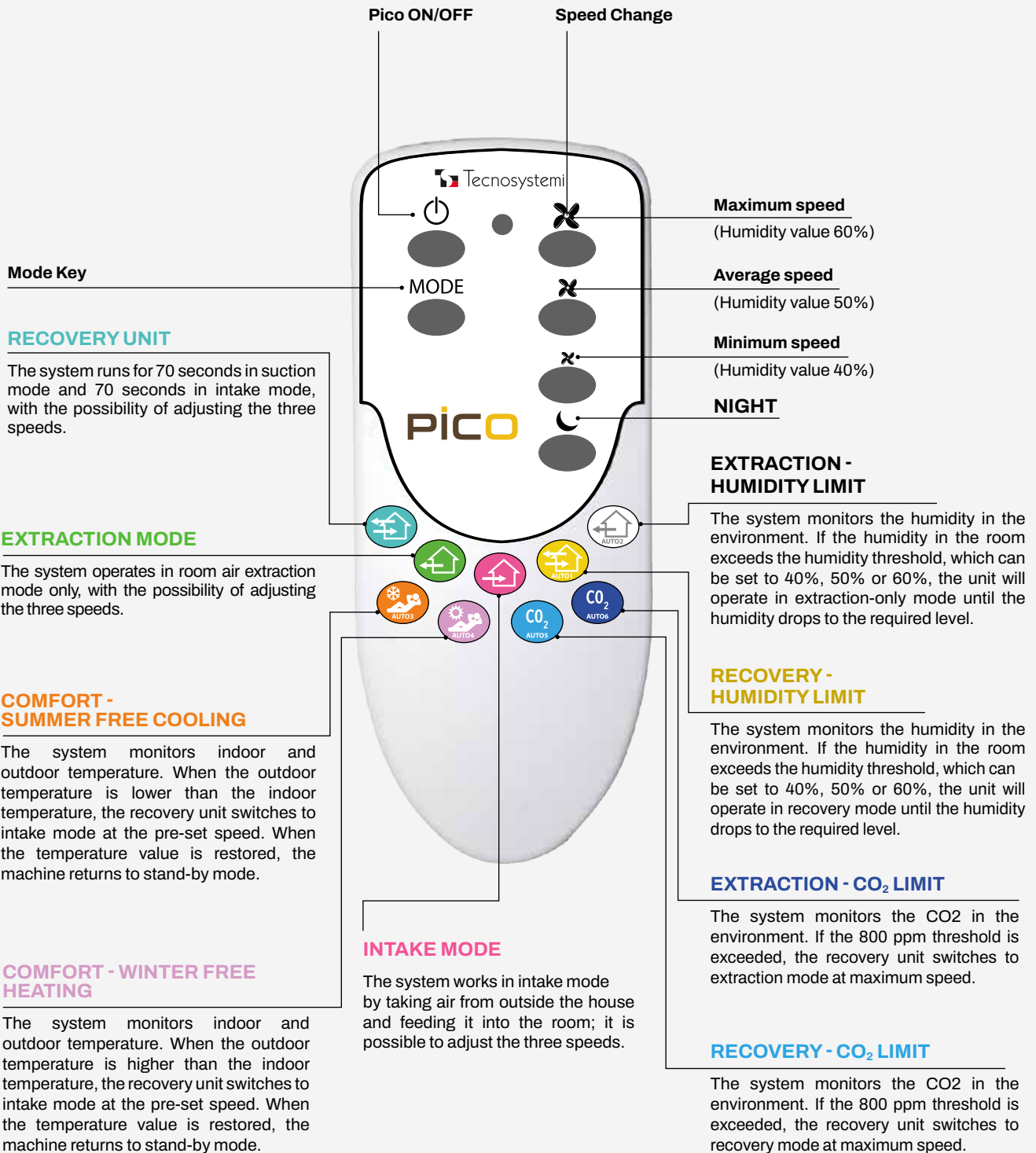


### Easy installation and maintenance




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

# PICO

## REMOTE CONTROL INCLUDED



# NEW APPLICATION NEW FUNCTIONALITIES

-  Local or remote control
-  Speed modulation
-  Night mode for better sleep

## FREE APP AVAILABLE ON:



## VOICE COMMANDS:



Tecnosystemi

Apply.co

# PICO

## BREATH FRESH AIR!

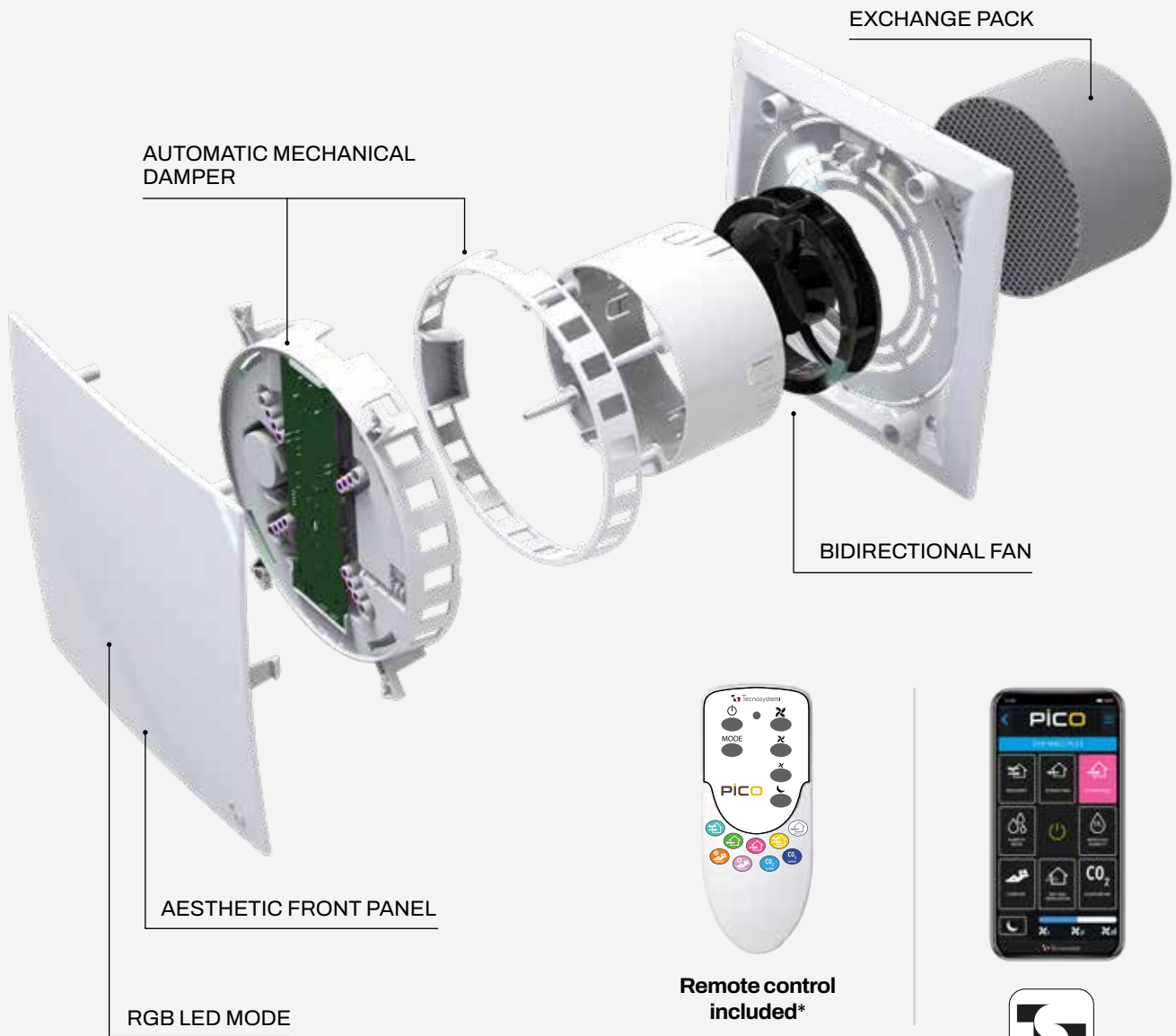
Prevent mould and humidity...  
avoiding unnecessary costs and  
improving the quality of your life!



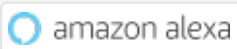
# THE SOLUTION YOU WERE LOOKING FOR!

**PICO**  
pro

**PICO**<sup>+</sup>  
ultra



### VOICE COMMANDS:



\* The PICO BASIC model is not equipped with an automatic damper or remote control

# COMPARING MODELS

Function		Remote control icons	App icons	Pico Pro	Pico Ultra+
Recovery unit				•	•
Extraction unit				•	•
Intake mode				•	•
Humidity limit	Recovery unit			•	•
	Extractor			•	•
Natural Circulation		-		•	•
Free Cooling				-	•
Free Heating				-	•
CO <sub>2</sub> limit	Recovery unit			-	•
	Extractor			-	•
CO <sub>2</sub> humidity limit	Recovery unit	-		-	•
	Extractor	-		-	•
Night mode				•	•
Master Slave		•	•	•	•
Time-slot scheduling		-	-	-	•
Filter		2 x G2			
M <sup>3</sup> /h max		30 - 45 - 60			
Automatic damper				•	•
Finish		White matt			
Remote control				•	•
Home Assistant		Compatible with Alexa and Google Home			

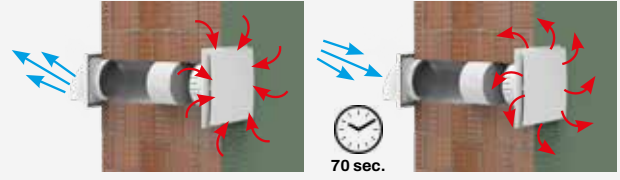
LEGEND: • function available  
- function not available

# OPERATING MODES



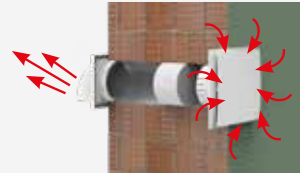
## REGENERATOR

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



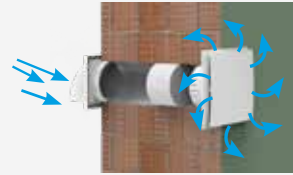
## EXTRACTION

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



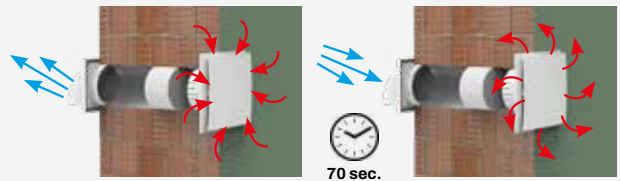
## AERATION

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



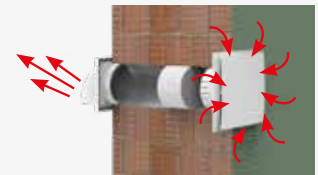
## HUMIDITY LIMIT RECOVERY

When the air in the room exceeds the humidity level, that can be set at 40%, 50% or 60%, the device goes onto recovery mode until the humidity recovers according to the set value.



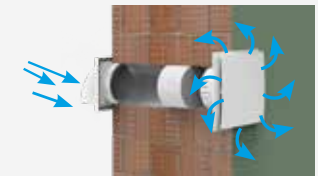
## HUMIDITY LIMIT EXTRACTION

The system monitors the humidity of the environment. When the air in the room exceeds the humidity limit 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.



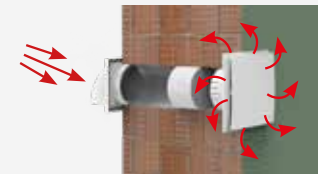
## SUMMER COMFORT FREE COOLING

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.



## 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.

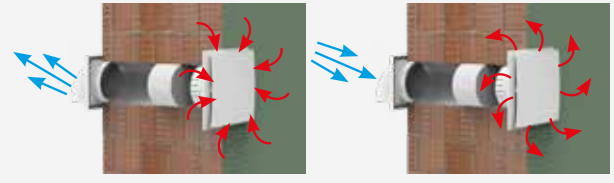


DESCRIPTION	REGENERATOR	EXTRACTION	AERATION	SETTING HUMIDITY VALUE	Wi-Fi	AUTO 1	AUTO 2	AUTO 3
PICO PRO 30	•	•	•	•	•	•	•	
PICO PRO 45	•	•	•	•	•	•	•	
PICO PRO 60	•	•	•	•	•	•	•	
PICO ULTRA+ 30	•	•	•	•	•	•	•	•
PICO ULTRA+ 45	•	•	•	•	•	•	•	•
PICO ULTRA+ 60	•	•	•	•	•	•	•	•



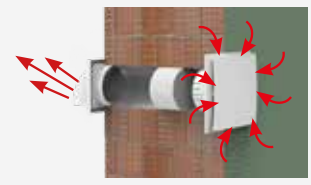
**CO<sub>2</sub> LIMIT RECOVERY**

The extraction ventilation is activated at minimum to detect the CO<sub>2</sub> value of the internal room. When the CO<sub>2</sub> limit is exceeded, the recuperator switches to recovery mode at maximum speed. The factory set CO<sub>2</sub> value is 800ppm.



**CO<sub>2</sub> LIMIT EXTRACTION**

Extraction ventilation is activated at minimum to detect the CO<sub>2</sub> value of the internal room. When the CO<sub>2</sub> limit is exceeded, the recuperator switches to extraction mode at maximum speed. The factory set CO<sub>2</sub> value is 800 ppm.



**HUMIDITY LIMIT EXTRACTION + CO<sub>2</sub>** (only from app)

The extraction ventilation is activated at minimum to detect the CO<sub>2</sub> and humidity value of the internal room. When the CO<sub>2</sub> and humidity limits are exceeded, the recuperator switches to recovery mode at maximum speed.



**HUMIDITY LIMIT RECOVERY + CO<sub>2</sub>** (only from app)

Extraction ventilation is activated at minimum to detect the CO<sub>2</sub> and humidity value of the internal room. When the CO<sub>2</sub> and humidity limits 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.



**SCHEDULE** (only from app)

Weekly programming of hours in 4 bands with mode and operating speed setting.

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

 **VENTILATION UNITS WITH WALL-MOUNTED PUNCTUAL HEAT RECOVERY**


**TECHNICAL SPECIFICATIONS**

- Wall-mounted installation only, minimum wall thickness: 270 mm
- 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: Heat Recovery - Exhaust - Supply - Humidity Threshold - Natural Recirculation - Night Mode
- Air quality indicators
- MASTER function / SLAVE: Possibility to connect in cascade via WIFI up to 4 slaves
- Slaves configurable in synchronous or asynchronous mode.

 **UNITÉ DE VENTILATION AVEC RÉCUPÉRATION DE CHALEUR PONCTUELLE MURALE**

**CARACTÉRISTIQUES TECHNIQUES**

- Installation uniquement murale, épaisseur minimale du mur : 270 mm
- Épaisseur frontale du mur 35 mm
- Disponible avec des débits de 30 à 60 m<sup>3</sup>/h
- Classe énergétique A
- Mode de contrôle Wi-fi 2.4 GHz via APP : connexion locale ou à distance
- Intégration Assistants vocaux et Google Home
- Fonctions : Récupération de chaleur - Extraction - Injection - Seuil d'humidité - Recyclage naturel - Mode Nuit
- Indicateurs de qualité de l'air
- Fonction MASTER / SLAVE: Possibilité de se connecter en cascade via WIFI jusqu'à 4 esclaves
- Slaves configurable in synchronous or asynchronous mode.

 **DEZENTRALE WÄRMERÜCKGEWINNUNG-EINHEIT MIT PUNKTUELLER WÄRMERÜCKGEWINNUNG**

**TECHNISCHE EIGENSCHAFTEN**

- Nur Wandmontage, minimale Wandstärke: 270 mm
- Frontdicke 35 mm
- Erhältlich mit Durchflussraten von 30 bis 60 m<sup>3</sup>/h
- Energieeffizienzklasse A
- 2.4 GHz WiFi-Steuerungsmodus per APP: lokale oder Remote-Verbindung
- Integration Sprachassistenten und Google Home
- Funktionen: Wärmerückgewinnung - Abluft - Zuluft - Feuchtigkeitsschwelle - Natürliche Umluft - Nachtmodus
- Luftqualitätsanzeigen
- MASTER/SLAVE-Funktion: Kaskadierbarkeit über WIFI bis zu 4 Slaves möglich
- Synchron-oder asynchron modus konfigurierbar

**A**



**Virtual reality**




**Tecnosystemi**

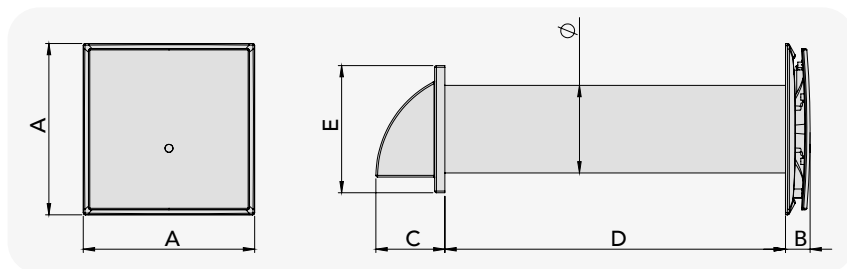


**Remote control supplied**



**FREE APP AVAILABLE ON**



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	
		Extraction	Ventilation	Extraction	Ventilation	Extraction	Ventilation	Extraction	Ventilation
MODE	-								
CONSUMPTION [W]	<1	1.5	1.5	2	2	3	3	4	4
AIR FLOW RATE [M³/H]	-	6	6	10	10	20	20	30	30
SOUND POWER [DB(A)]	-	18	19	22	23	26	27	29	32
SEC ENERGY CLASS	A								
TYPE	Bidirectional UVR								
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	
		Extraction	Ventilation	Extraction	Ventilation	Extraction	Ventilation	Extraction	Ventilation
MODE	-								
CONSUMPTION [W]	<1	1.5	1.5	2	2	3	3	4.5	4.5
AIR FLOW RATE [M³/H]	-	8	8	20	20	30	30	45	45
SOUND POWER [DB(A)]	-	20	22	24	27	28	30	35	37
SEC ENERGY CLASS	A								
TYPE	Bidirectional UVR								
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	
		Extraction	Ventilation	Extraction	Ventilation	Extraction	Ventilation	Extraction	Ventilation
MODE	-								
CONSUMPTION [W]	<1	1.7	1.7	3	3	4.5	4.5	7	7
AIR FLOW RATE [M³/H]	-	11	11	30	30	40	40	60	60
SOUND POWER [DB(A)]	-	24	28	30	32	35	38	40	41
SEC ENERGY CLASS	A								
TYPE	Bidirectional UVR								
TYPE OF HEAT RECOVERY UNIT	Regenerative type HRC3b								
FILTRATION CLASS	G2								

CODE	DESCRIPTION	U.M.			
			Pieces per box	U.M. Box	U.M. Pallet
ACD100056	HEAT RECOVERY UNIT - PICO PRO 30	PCS	1	1	12
ACD100057	HEAT RECOVERY UNIT - PICO PRO 45	PCS	1	1	12
ACD100058	HEAT RECOVERY UNIT - PICO PRO 60	PCS	1	1	12





## WALL-MOUNTED SPOT VENTILATION UNIT WITH HEAT RECOVERY AND TIMER PROGRAMMING

### TECHNICAL SPECIFICATIONS

- Wall-mounted installation only, minimum wall thickness: 270 mm
- 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
- Comfort – CO<sub>2</sub> Threshold – Heat Recovery – Extraction – Supply – Humidity Threshold – Natural Recirculation – Free Cooling – Free Heating – Night Mode – Hourly and Weekly Programming
- Air quality indicators
- MASTER function / SLAVE: Possibility to connect in cascade via WIFI up to 4 slaves
- Slaves configurable in synchronous or asynchronous mode.



## UNITÉ DE VENTILATION PONCTUELLE MURALE AVEC RÉCUPÉRATION DE CHALEUR ET PROGRAMMATION HORAIRE

### CARACTÉRISTIQUES TECHNIQUES

- Installation uniquement murale, épaisseur minimale du mur : 270 mm
- Épaisseur frontale du mur 35 mm
- Disponible avec des débits de 30 à 60 m<sup>3</sup>/h
- Classe énergétique A
- Mode de contrôle Wi-fi 2.4 GHz via APP : connexion locale ou à distance
- Intégration Assistants vocaux et Google Home
- Fonctions : Confort – Seuil CO<sub>2</sub> – Récupération de chaleur – Extraction – Apport d'air – Seuil d'humidité – Recirculation naturelle – Free Cooling – Free Heating – Mode Nuit – Programmation horaire et hebdomadaire
- Indicateurs de qualité de l'air
- Fonction MASTER / SLAVE: Possibilité de se connecter en cascade via WIFI jusqu'à 4 esclaves
- Slaves configurable in synchronous or asynchronous mode.



## WANDMONTIERTE EINZELRAUM-LÜFTUNGSEINHEIT MIT WÄRMERÜCKGEWINNUNG UND ZEITSCHALTPROGRAMM

### TECHNISCHE EIGENSCHAFTEN

- Nur Wandmontage, minimale Wandstärke: 270 mm
- Frontdicke 35 mm
- Erhältlich mit Durchflussraten von 30 bis 60 m<sup>3</sup>/h
- Energieeffizienzklasse A
- 2.4 GHz WiFi-Steuerungsmodus per APP: lokale oder Remote-Verbindung
- Integration Sprachassistenten und Google Home
- Funktionen: Komfort – CO<sub>2</sub>-Schwelle – Wärmerückgewinnung – Abluft – Zuluft – Feuchtigkeitsschwelle – Natürliche Umluft – Free Cooling – Free Heating – Nachtmodus – Stunden- und Wochenprogrammierung
- Luftqualitätsanzeigen
- MASTER/SLAVE-Funktion: Kaskadierbarkeit über WIFI bis zu 4 Slaves möglich
- Synchron-oder asynchron modus konfigurierbar

A

Virtual reality




Tecnosystemi

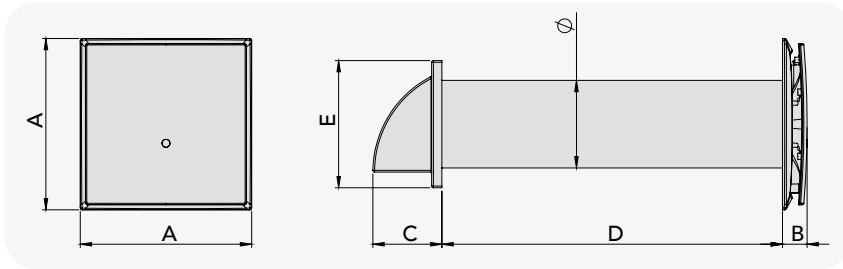


Remote control supplied



FREE APP AVAILABLE ON



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

### PICO ULTRA+ 30

TECHNICAL DATA	STANDBY	NIGHT		MIN. 1 SPEED		MIN. 2 SPEED		MIN. 3 SPEED	
		Extraction	Ventilation	Extraction	Ventilation	Extraction	Ventilation	Extraction	Ventilation
MODE	-								
CONSUMPTION [W]	<1W	1.5	1.5	2	2	3	3	4	4
AIR FLOW RATE [M <sup>3</sup> /H]	-	6	6	10	10	20	20	30	30
SOUND POWER [DB(A)]	-	18	19	22	23	26	27	29	32
SEC ENERGY CLASS	A								
TYPE	Bidirectional UVR								
TYPE OF HEAT RECOVERY UNIT	Regenerative type HRC3b								
FILTRATION CLASS	G2								

### PICO ULTRA+ 45

TECHNICAL DATA	STANDBY	NIGHT		MIN. 1 SPEED		MIN. 2 SPEED		MIN. 3 SPEED	
		Extraction	Ventilation	Extraction	Ventilation	Extraction	Ventilation	Extraction	Ventilation
MODE	-								
CONSUMPTION [W]	<1	1.5	1.5	2	2	3	3	4.5	4.5
AIR FLOW RATE [M <sup>3</sup> /H]	-	8	8	20	20	30	30	45	45
SOUND POWER [DB(A)]	-	20	22	24	27	28	30	35	37
SEC ENERGY CLASS	A								
TYPE	Bidirectional UVR								
TYPE OF HEAT RECOVERY UNIT	Regenerative type HRC3b								
FILTRATION CLASS	G2								

### PICO ULTRA+ 60

TECHNICAL DATA	STANDBY	NIGHT		MIN. 1 SPEED		MIN. 2 SPEED		MIN. 3 SPEED	
		Extraction	Ventilation	Extraction	Ventilation	Extraction	Ventilation	Extraction	Ventilation
MODE	-								
CONSUMPTION [W]	<1	1.7	1.7	3	3	4.5	4.5	7	7
AIR FLOW RATE [M <sup>3</sup> /H]	-	11	11	30	30	40	40	60	60
SOUND POWER [DB(A)]	-	24	28	30	32	35	38	40	41
SEC ENERGY CLASS	A								
TYPE	Bidirectional UVR								
TYPE OF HEAT RECOVERY UNIT	Regenerative type HRC3b								
FILTRATION CLASS	G2								

CODE	DESCRIPTION	U.M.	 Pieces per box	 U.M. Box	 U.M. Pallet
ACD100069	HEAT RECOVERY UNIT - 'PICO ULTRA PLUS 30'	PCS	1	1	12
ACD100070	HEAT RECOVERY UNIT - 'PICO ULTRA PLUS 45'	PCS	1	1	12
ACD100071	HEAT RECOVERY UNIT - 'PICO ULTRA PLUS 60'	PCS	1	1	12

Datasheet



 **WALL-MOUNTED VENTILATION UNIT WITH DOUBLE-FLOW HEAT EXCHANGER**

**TECHNICAL SPECIFICATIONS**

- Simultaneously renews and extracts air through a single hole in the external wall
- High-efficiency copper heat exchanger with automatic frost protection system
- Electric heater
- EC fans individually adjustable to ensure balanced ventilation
- G3 filters for supply and exhaust air
- 4 temperature sensors
- Moisture sensor
- Remote control included

**FUNCTIONALITY**

- Heat recovery mode, supply-only mode, exhaust-only mode
- Automatic mode and Weekly Programming (only App)
- 3 adjustable speeds
- Pre-heating of incoming air
- Filter maintenance indication
- Night mode
- Turbo mode
- Antifreeze feature

 **UNITÉ DE VENTILATION MURALE AVEC ÉCHANGEUR DE CHALEUR À DOUBLE FLUX**

**CARACTÉRISTIQUES TECHNIQUES**

- Renouvelle et extrait l'air simultanément à travers un seul trou dans le mur extérieur
- Échangeur de chaleur en cuivre à haute efficacité avec système de protection antigel automatique
- Chauffage électrique
- Ventilateurs EC réglables séparément pour garantir une ventilation équilibrée
- Filtres G3 pour l'air soufflé et l'air extrait
- 4 capteurs de température
- Capteur d'humidité
- Télécommande fournie

**FONCTIONNALITÉ**

- Mode récupération de chaleur, mode alimentation seule, mode extraction seule
- Mode automatique et programmation hebdomadaire (application uniquement)
- 3 vitesses réglables
- Préchauffage de l'air entrant
- Indication de l'entretien du filtre
- Mode nuit
- Mode Turbo
- Fonction antigel

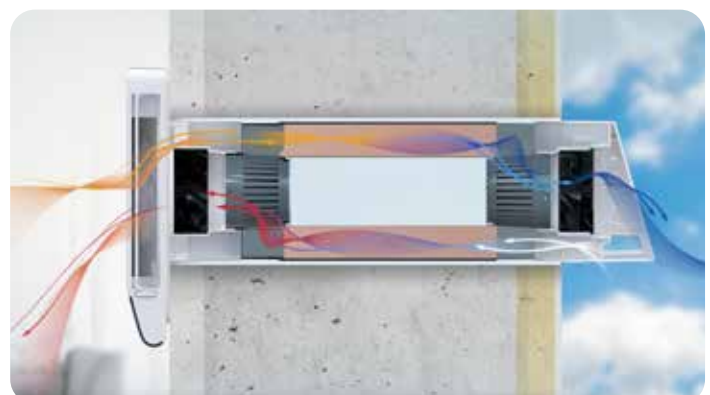
 **WANDMONTIERTES LÜFTUNGSGERÄT MIT DOPPELSTROM-WÄRMETAUSCHER**

**TECHNISCHE EIGENSCHAFTEN**

- Erneuert und fördert die Luft gleichzeitig durch ein einzelnes Loch in der Außenwand
- Hochleistungs-Wärmetauscher aus Kupfer mit automatischem Frostschutzsystem
- Elektrischer Heizkörper
- EC-Ventilatoren einzeln einstellbar, um eine ausgeglichene Belüftung zu gewährleisten
- G3-Filter für Zu- und Abluft
- 4 integrierte Temperatursensoren
- Feuchtigkeitssensor
- Mitgelieferte Fernbedienung

**FUNKTIONALITÄT**

- Wärmerückgewinnungsmodus, Zuluft-Only-Modus, Abluft-Only-Modus
- Automatikmodus und Wochenprogrammierung (nur App)
- 3 einstellbare Geschwindigkeiten
- Vorwärmung der einströmenden Luft
- Anzeige der Filterwartung
- Nachtmodus
- Turbomodus
- Frostschutz-Funktion



**HEAT RECOVERY MODE:**

It simultaneously supplies and extracts air through a single opening in the external wall. The heater is activated by temperature sensors.

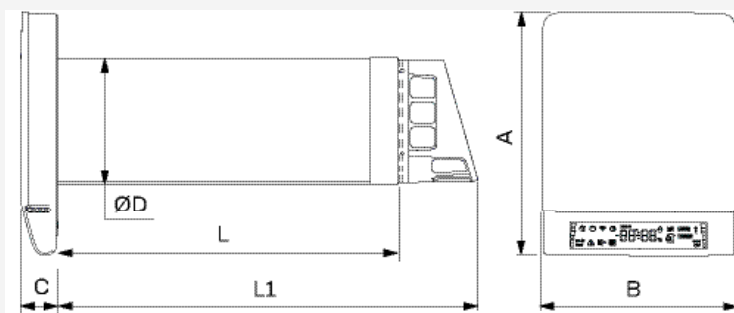
**IMMISSION MODE:**

Only the supply fan is active. Activation of the electric heater is available.

**EXTRACTION MODE:**

Only the extraction fan is active. Activation of the electric heater is not available.




**NEW**



CODE	DIMENSIONS [mm]						WEIGHT [kg]
	A	B	C	ØD	L	L1	
ACC100010	307	245	45	206	550	650	5,5

TECHNICAL DATA			
Speed	1	2	3
Power supply	220–240 V 50/60 Hz		
Power consumption (without heater) [W]	5.0	11.0	22.0
Power consumption of the integrated heater [W]	100		
Airflow (Without Heater) [A]	0.03	0.07	0.10
Total Airflow [A]	0.56	0.59	0.63
Air flow rate [m³/h]	15	50	70 (90*)
Sound pressure level LpA @1m [dB(A)]	25	48	55
Sound pressure level LpA @3m [dB(A)]	15	37	45
Classification of sensitivity to airflow rate as a function of variations in pressure difference, in accordance with EN 13141-8	S3		
Classification of the internal/external airtightness of the complete unit in accordance with EN 13141-8	D1		
Heat Recovery Efficiency [%]	≤85		
Transported air temperature [°C]	-30...+50		
Filter	G3		
Class SEC	A		
Type of heat exchanger	Continuous Dual Flow		
Heat exchanger material	Copper		

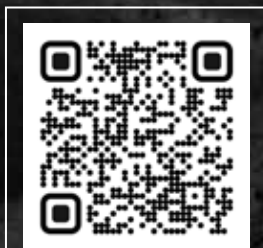
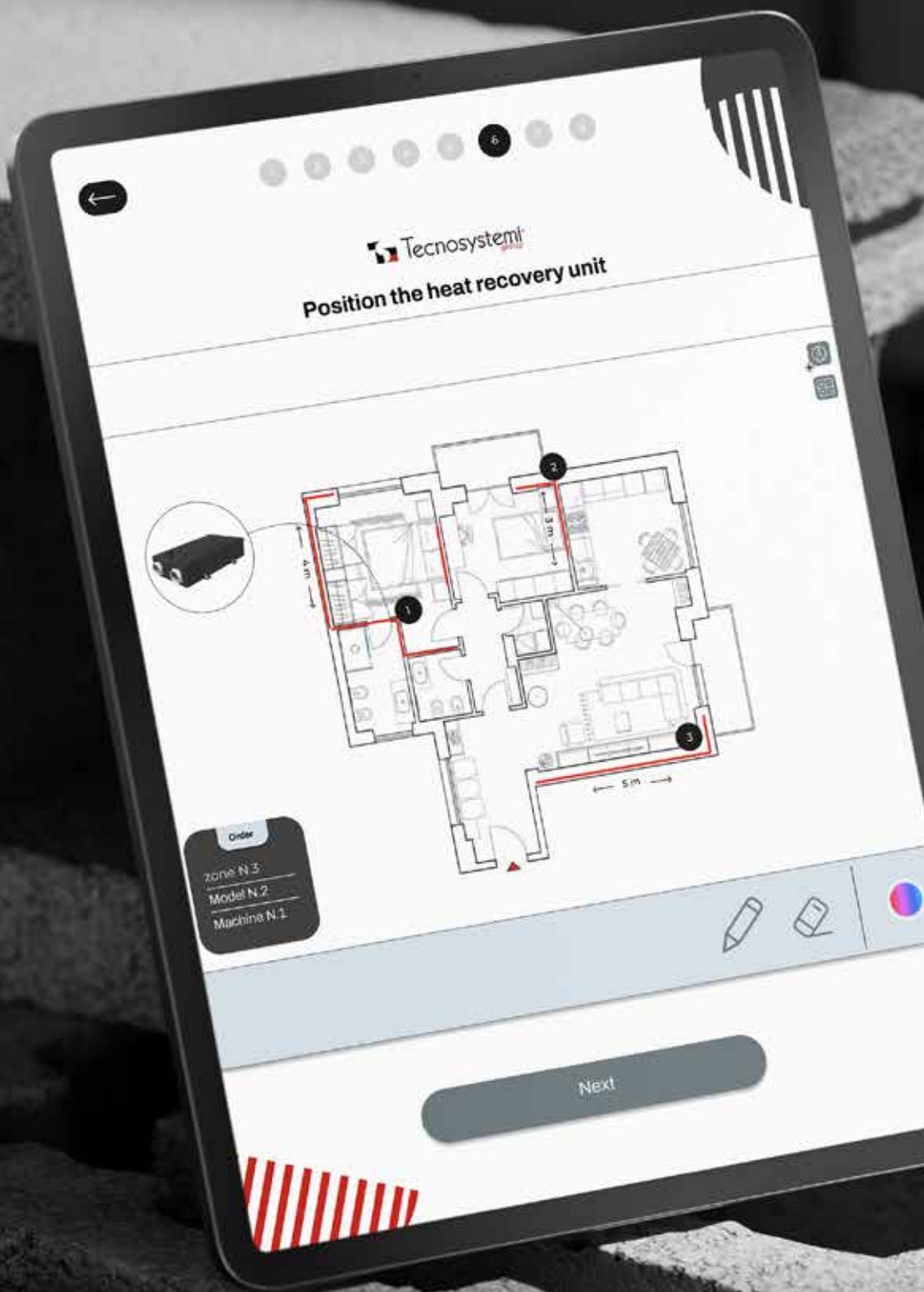
\*Turbo mode

CODE	DESCRIPTION	U.M.	 Pieces per box	 U.M. Box	 U.M. Pallet
ACC100010	WALL-MOUNTED VENTILATION UNIT TS DUAL FLOW Ø200	1	1	PCS	6

**Datasheet**



# TRY THE NEW SOFTWARE FOR SIZING YOUR MVHR SYSTEM



SCAN THE  
QR CODE

# AIRpur3<sup>+</sup> wi

## REMOTE CONTROLLER WITH NEW FUNCTIONS

### RESET FILTER MAINTENANCE

Press and hold for 3 seconds

Fan OFF

### RECOVERY UNIT

The recovery fans operate simultaneously (in and out) with three adjustable speeds.

### EXTRACTION

The device works in internal air extraction mode only. Option to regulate the three speeds.

### AUTO 3 - SUMMER COMFORT MODE

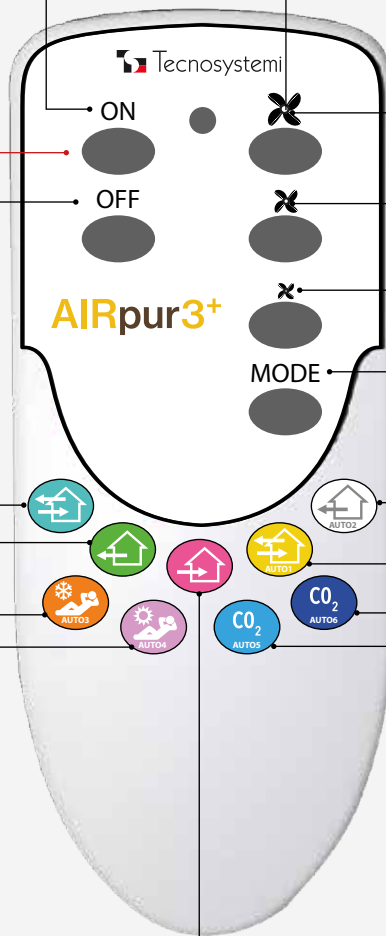
The system is on standby. When the external temperature is lower than the internal one, the heat recovery unit goes onto high-speed output mode. When the temperature recovers its value the unit goes back onto stand-by.

### AUTO 4 WINTER COMFORT MODE

The system is on stand-by. When the external temperature is higher than the internal one, the heat recovery unit goes onto high-speed output mode. When the temperature recovers its value the unit goes back onto stand-by.

Fan ON  
and Humidity value  
setting

Speed Change



**Maximum speed**  
(Humidity value 60%)

**Average speed**  
(Humidity value 50%)

**Minimum speed**  
(Humidity value 40%)

**Change mode**

### AUTO 2

The device is in stand-by. When the air in the room exceeds the threshold of settable humidity at 40%, 50% or 60%, the device switches to extraction only mode until the humidity level falls within the set values.

### AUTO 1

The device is in stand-by. When the air in the room exceeds the threshold of settable humidity at 40%, 50% or 60%, the device switches to recovery only mode until the humidity level falls within the set values.

### AUTO 6

The system is on stand-by. When the CO<sub>2</sub> threshold of 800 ppmv is exceeded, the heat recovery unit goes onto high-speed recovery mode. When the CO<sub>2</sub> value recovers the unit goes back onto stand-by.

### AUTO 5

The system is on standby. When the CO<sub>2</sub> threshold of 800 ppmv is exceeded, the heat recovery unit goes onto high-speed output. When the CO<sub>2</sub> value recovers the unit goes back onto standby.

### AERATION

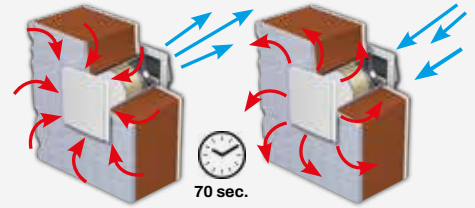
The device works in aeration mode only, taking in external air and introducing it into the room. Option to regulate the three speeds.

# OPERATING MODES



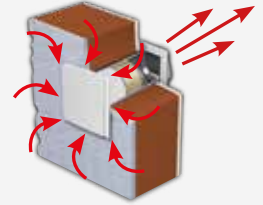
## REGENERATOR

The device works for 70 seconds in extraction mode and 70 seconds in aeration mode, with the option to regulate the three speeds.



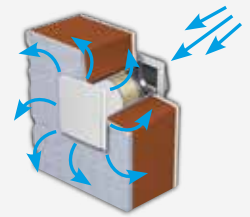
## EXTRACTION

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



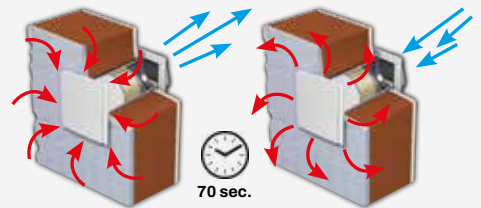
## AERATION

The device works in aeration mode only, taking in air from outside and introducing it into the room. Option to regulate the three speeds provided.



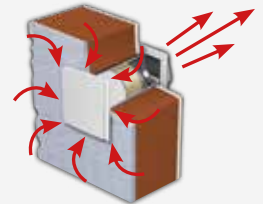
## AUTO 1

The device is on stand-by. When the air in the room exceeds the humidity level, that can be set at 40%, 50% or 60%, the device goes onto recovery mode until the humidity recovers according to the set value.



## AUTO 2

The device is on stand-by. when the air in the room exceeds the humidity level, that can be set at 40%, 50% or 60%, the device goes onto extraction only mode until the humidity level recovers according to the set value.

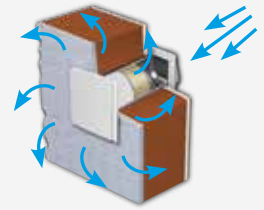


DESCRIPTION	REGENERATOR	EXTRACTION
"AIR PUR 3 PLUS WI" BUILT-IN CROSS-FLOW STATIC HEAT RECOVERY UNIT MODEL 160	•	•
"AIR PUR 3 PLUS WI" BUILT-IN CROSS-FLOW STATIC HEAT RECOVERY UNIT MODEL 230	•	•
"AIR PUR 3 PLUS WI" BUILT-IN CROSS-FLOW STATIC HEAT RECOVERY UNIT MODEL 300	•	•
"COMFORT - AIR PUR 3 PLUS WI-C" BUILT-IN CROSS-FLOW STATIC HEAT RECOVERY UNIT MODEL 160	•	•
"COMFORT - AIR PUR 3 PLUS WI-C" BUILT-IN CROSS-FLOW STATIC HEAT RECOVERY UNIT MODEL 230	•	•
"COMFORT - AIR PUR 3 PLUS WI-C" BUILT-IN CROSS-FLOW STATIC HEAT RECOVERY UNIT MODEL 300	•	•
"AIR PUR 3 PLUS WI" WALL MOUNTED CROSS-FLOW STATIC HEAT RECOVERY UNIT MODEL 160	•	•
"AIR PUR 3 PLUS WI" WALL MOUNTED CROSS-FLOW STATIC HEAT RECOVERY UNIT MODEL 230	•	•
"AIR PUR 3 PLUS WI" WALL MOUNTED CROSS-FLOW STATIC HEAT RECOVERY UNIT MODEL 300	•	•
"COMFORT - AIR PUR 3 PLUS WI-C" WALL MOUNTED CROSS-FLOW/STATIC HEAT RECOVERY UNIT MODEL 160	•	•
"COMFORT - AIR PUR 3 PLUS WI-C" WALL MOUNTED CROSS-FLOW/STATIC HEAT RECOVERY UNIT MODEL 230	•	•
"COMFORT - AIR PUR 3 PLUS WI-C" WALL MOUNTED CROSS-FLOW/STATIC HEAT RECOVERY UNIT MODEL 300	•	•



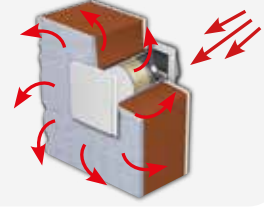
### AUTO3 - SUMMER COMFORT

The system is on stand-by. If the external temperature is lower than the internal one, the heat recovery unit goes onto high-speed intake. When the temperature recovers its value the unit goes back onto standby.



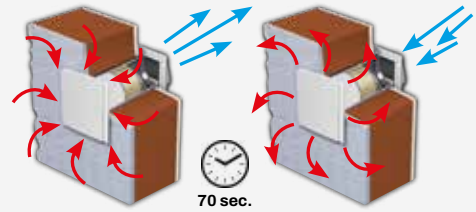
### AUTO4 - WINTER COMFORT

The system is on stand-by. If the external temperature is higher than the internal one, the heat recovery unit goes onto high-speed intake. When the temperature recovers its value the unit goes back onto standby.



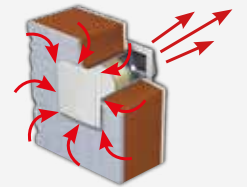
### AUTO5

The system is on stand-by. When the CO<sub>2</sub> threshold is exceeded the heat recovery unit goes onto high-speed recovery. When the CO<sub>2</sub> value recovers the unit goes back onto standby.



### AUTO6

The system is on stand-by. When the CO<sub>2</sub> threshold is exceeded the heat recovery unit goes onto high-speed output. When the CO<sub>2</sub> value recovers the unit goes back onto standby.



### FILTER MAINTENANCE

The red flashing led indicates the need to perform the maintenance of filters and the heat exchanger.



### SETTING THE HUMIDITY VALUE

When the blue led turns on, it indicates the access to the humidity value settings mode. it is possible to set the humidity threshold to three different values 40%, 50% o 60%


AERATION	SETTING HUMIDITY VALUE	WI-FI	AUTO 1	AUTO 2	AUTO 3	AUTO 4	AUTO 5	AUTO 6	INSTRUCTIONS FILTER MAINTENANCE
•	•	•	•	•					•
•	•	•	•	•					•
•	•	•	•	•					•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•


# AIR PUR 3 PLUS WI

MADE IN ITALY

**AIRpur3+**  
wi

 **STATIC HEAT RECOVERY  
BUILT-IN CROSS-FLOW AND  
WALL-MOUNTED 160 - 230 - 300**

 **RÉCUPÉRATEUR DE  
CHALEUR STATIQUE À  
FLUX CROISÉS STATIQUE  
ENCASTRÉ ET MURAL  
160 - 230 - 300**

 **ZENTRALE QUERSTROM  
WÄRMERÜCKGEWIN-  
NUNGSEINHEIT ZUM EINBAU  
ODER AUFHÄNGEN 160-230-300**



Built-in model



Wall mounted model

## WI-FI Control mode (Off-Line)

See operation modes at page 26



(web page offline)



Cross flow

## Accessories



Remote control supplied



External aesthetic grid



Removable plastic  
exchange pack

# AIR PUR 3 PLUS WI

Built-in model version

MADE IN ITALY

**AIRpur3+**  
wi



WALL-MOUNTED STATIC  
CROSS-FLOW HEAT  
RECOVERY UNIT 160 - 230 - 300

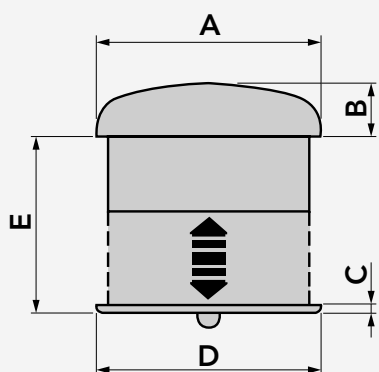
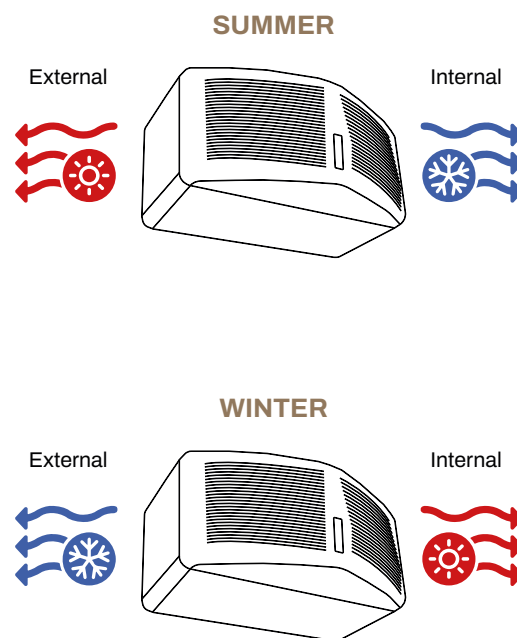


RÉCUPÉRATEUR DE  
CHALEUR À FLUX CROISÉS  
MURAL 160 - 230 - 300



AUFHÄNGEN ZEN-  
TRALE QUERSTROM  
WÄRMERÜCKGEWIN-  
NUNGSEINHEIT 160 - 230 - 300

MODEL	160 WI	230 WI	300 WI
Powers supply [V]	230	230	230
Frequency [Hz]	50	50	50
Max power [W]	30	35	70
Protection rating	IP20		
% Exchange efficiency	I°: 76%	I°: 72%	I°: 67%
	II°: 74%	II°: 70%	II°: 64%
	III°: 73%	III°: 68%	III°: 60%
Air flow rate [m³/h]	I°: 70	I°: 92	I°: 150
	II°: 120	II°: 166	II°: 264
	III°: 161	III°: 230	III°: 300
Sound level [dB(A)]	I°: 36	I°: 36	I°: 40
	II°: 44	II°: 45	II°: 51
	III°: 48	III°: 49	III°: 53
Weight [kg]	18	19	19
Wall hole [mm]	230 x 490	230 x 490	230 x 490



MODELS 160 / 230 / 300 WI	
DIMENSIONS	[mm]
A	532
B	125
C	19
D	536
E	220 ÷ 400
Internal grille height	265
External grille height	292
Recovery unit box	220

CODE	DESCRIPTION	U.M.	Pieces per box
ACD200005	"AIR PUR 3 PLUS WI" BUILT-IN CROSS-FLOW STATIC HEAT RECOVERY UNIT, MOD. 160	PCS	1
ACD200006	"AIR PUR 3 PLUS WI" BUILT-IN CROSS-FLOW STATIC HEAT RECOVERY UNIT, MOD. 230	PCS	1
ACD200007	"AIR PUR 3 PLUS WI" BUILT-IN CROSS-FLOW STATIC HEAT RECOVERY UNIT, MOD. 300	PCS	1

Datasheet




# AIR PUR 3 PLUS WI


## Wall-mounted model version

MADE IN ITALY

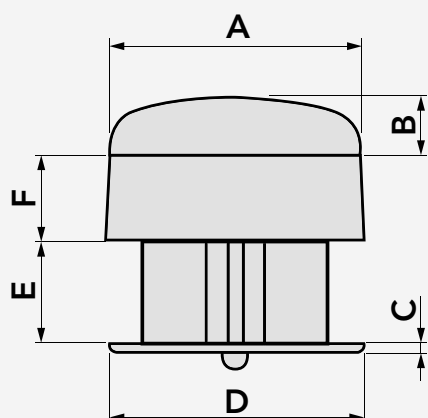
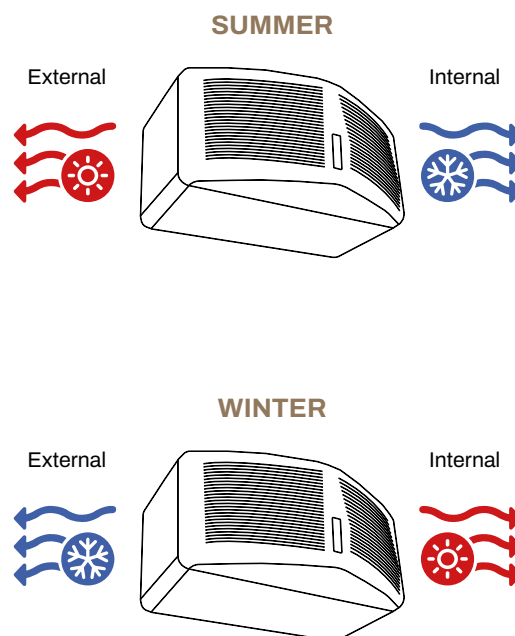
**AIRpur3+**  
wi

 WALL-MOUNTED STATIC  
CROSS-FLOW HEAT  
RECOVERY UNIT 160 - 230 - 300

 RÉCUPÉRATEUR DE  
CHALEUR À FLUX CROISÉS  
MURAL 160 - 230 - 300

 AUFHÄNGEN ZEN-  
TRALE QUERSTROM  
WÄRMERÜCKGEWIN-  
NUNGSEINHEIT 160 - 230 - 300

MODEL	160 WI	230 WI	300 WI
Power supply [V]	230	230	230
Frequency [Hz]	50	50	50
Max power [W]	30	35	70
Protection rating	IP20		
% Exchange efficiency	I°: 76%	I°: 72%	I°: 67%
	II°: 74%	II°: 70%	II°: 64%
	III°: 73%	III°: 68%	III°: 60%
Air flow rate [m³/h]	I°: 70	I°: 92	I°: 150
	II°: 120	II°: 166	II°: 264
	III°: 161	III°: 230	III°: 300
Sound level [dB(A)]	I°: 36	I°: 36	I°: 40
	II°: 44	II°: 45	II°: 51
	III°: 48	III°: 49	III°: 53
Weight [kg]	21	22	22
Wall hole [mm]	Ø 170	Ø 170	Ø 170



MODELS 160 / 230 / 300 WI	
DIMENSIONS	[mm]
A	532
B	125
C	19
D	536
E	400
F	220
Internal grille height	265
External grille height	292
Recovery unit box	289

CODE	DESCRIPTION	U.M.	Pieces per box
ACD200014	"AIR PUR 3 PLUS WI" WALL MOUNTED CROSS-FLOW STATIC HEAT RECOVERY UNIT, MOD. 160	PCS	1
ACD200015	"AIR PUR 3 PLUS WI" WALL MOUNTED CROSS-FLOW STATIC HEAT RECOVERY UNIT, MOD. 230	PCS	1
ACD200016	"AIR PUR 3 PLUS WI" WALL MOUNTED CROSS-FLOW STATIC HEAT RECOVERY UNIT, MOD. 300	PCS	1


Datasheet




# AIR PUR 3 PLUS WI-C

MADE IN ITALY **AIRpur3+**  
wi-c

 **STATIC HEAT RECOVERY  
BUILT-IN CROSS-FLOW AND  
WALL-MOUNTED 160 - 230 - 300**

 **RÉCUPÉRATEUR  
DE CHALEUR STATIQUE  
À FLUX CROISÉS STATIQUE  
ENCASTRÉ ET MURAL 160 -  
230 - 300**

 **ZENTRALE QUERSTROM  
WÄRMERÜCKGEWIN-  
NUNGSEINHEIT ZUM EINBAU  
ODER AUFHÄNGEN 160-230-  
300**



Built-in model



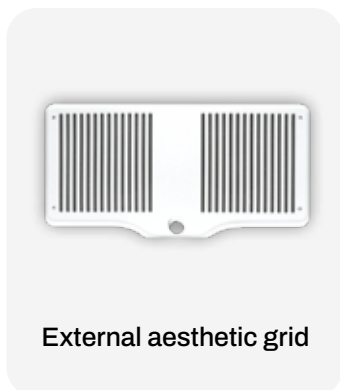
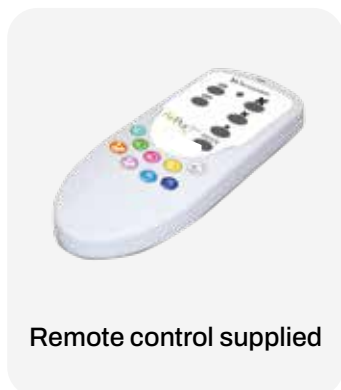
Wall mounted model

## WI-FI Control mode (Off-Line)

See operation modes at page 26



## Accessories



# AIR PUR 3 PLUS WI-C

Built-in model version

MADE IN ITALY

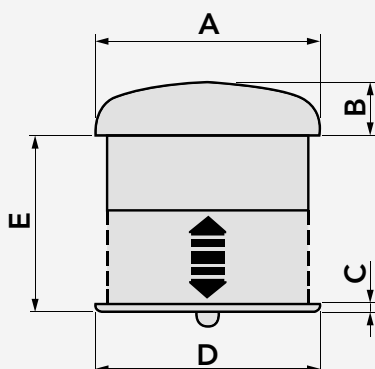
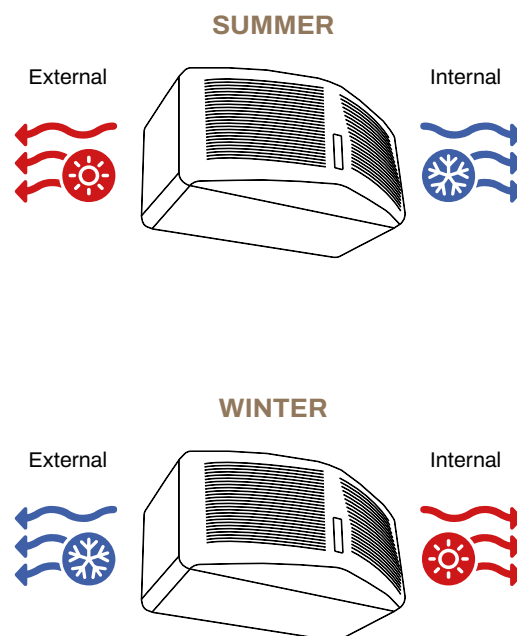
**AIRpur3+**  
wi-c

 **CROSS-FLOW SENSIBLE HEAT RECOVERY UNIT FOR RECESS**  
160 – 230 – 300

 **UNITÉ DE RÉCUPÉRATION DE CHALEUR SENSIBLE À FLUX CROISÉS ENCASTRABLE 160 – 230 – 300**

 **EINGEBAUTE ZENTRALE QUERSTROM WÄRMERÜCKGEWINNUNGSEINHEIT 160 - 230 - 300**

MODEL	160 WI-C	230 WI-C	300 WI-C
Power supply [V]	230	230	230
Frequency [Hz]	50	50	50
Max power [W]	30	35	70
Protection rating	IP20		
% Exchange efficiency	I°: 76%	I°: 72%	I°: 67%
	II°: 74%	II°: 70%	II°: 64%
	III°: 73%	III°: 68%	III°: 60%
Air flow rate [m³/h]	I°: 70	I°: 92	I°: 150
	II°: 120	II°: 166	II°: 264
	III°: 161	III°: 230	III°: 300
Sound level [dB(A)]	I°: 36	I°: 36	I°: 40
	II°: 44	II°: 45	II°: 51
	III°: 48	III°: 49	III°: 53
Weight [kg]	18	19	19
Wall hole [mm]	230 x 490	230 x 490	230 x 490



MODELS 160 / 230 / 300 WI-C	
DIMENSIONS	[mm]
A	532
B	125
C	19
D	536
E	220 ÷ 400
Internal grille height	265
External grille height	292
Recovery unit box	220

CODE	DESCRIPTION	U.M.	Pieces per box
ACD200008	"COMFORT-AIR PUR 3 PLUS WI-C" BUILT-IN STATIC HEAT RECOVERY UNIT, MOD.160	PCS	1
ACD200009	"COMFORT-AIR PUR 3 PLUS WI-C" BUILT-IN STATIC HEAT RECOVERY UNIT, MOD.230	PCS	1
ACD200010	"COMFORT-AIR PUR 3 PLUS WI-C" BUILT-IN STATIC HEAT RECOVERY UNIT, MOD.300	PCS	1

[Datasheet](#)



# AIR PUR 3 PLUS WI-C

Wall-mounted model version

MADE IN ITALY

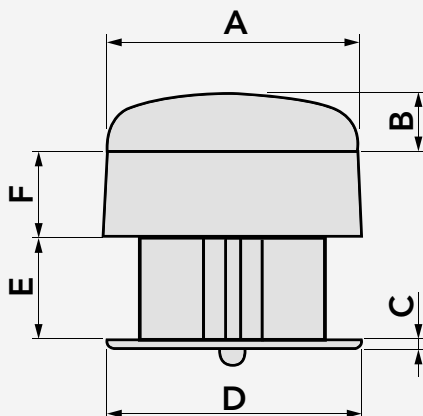
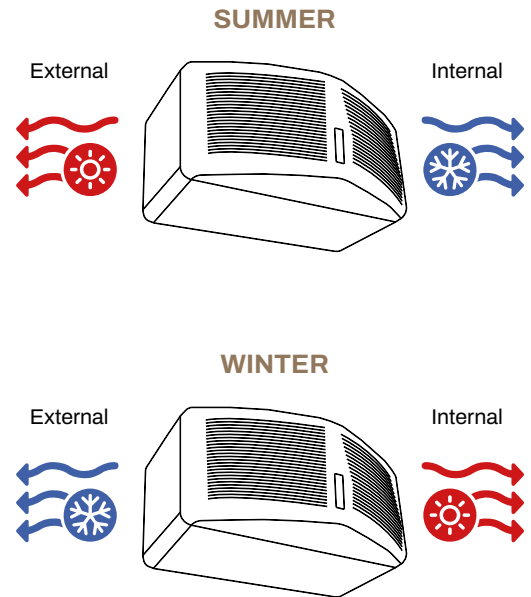
**AIRpur3+**  
wi-c

 WALL-MOUNTED STATIC  
CROSS-FLOW HEAT  
RECOVERY UNIT 160 - 230 - 300

 RÉCUPÉRATEUR DE  
CHALEUR À FLUX CROISÉS  
MURAL 160 - 230 - 300

 AUFHÄNGEN ZENTRALE QUER-  
STROM WÄRMERÜCKGEWIN-  
NUNGSEINHEIT 160 - 230 - 300

MODEL	160 WI-C	230 WI-C	300 WI-C
Power supply [V]	230	230	230
Frequency [Hz]	50	50	50
Max power [W]	30	35	70
Protection rating	IP20		
% Exchange efficiency	I°: 76%	I°: 72%	I°: 67%
	II°: 74%	II°: 70%	II°: 64%
	III°: 73%	III°: 68%	III°: 60%
Air flow rate [m³/h]	I°: 70	I°: 92	I°: 150
	II°: 120	II°: 166	II°: 264
	III°: 161	III°: 230	III°: 300
Sound level [dB(A)]	I°: 36	I°: 36	I°: 40
	II°: 44	II°: 45	II°: 51
	III°: 48	III°: 49	III°: 53
Weight [kg]	21	22	22
Wall hole [mm]	Ø 170	Ø 170	Ø 170



MODELS 160 / 230 / 300 WI-C	
DIMENSIONS	[mm]
A	532
B	125
C	19
D	536
E	400
F	220
Internal grille height	265
External grille height	292
Recovery unit box	289

CODE	DESCRIPTION	U.M.	Pieces per box
ACD200017	"COMFORT-AIR PUR 3 PLUS WI-C WALL MOUNTED STATIC HEAT RECOVERY UNIT, MOD.160	PCS	1
ACD200018	"COMFORT-AIR PUR 3 PLUS WI-C" WALL MOUNTED STATIC HEAT RECOVERY UNIT, MOD. 230	PCS	1
ACD200019	"COMFORT-AIR PUR 3 PLUS WI-C" WALL MOUNTED STATIC HEAT RECOVERY UNIT, MOD. 300	PCS	1

Datasheet



# EXAMPLE OF WALL INSTALLATION AIR PUR 3 PLUS WI / WI-C

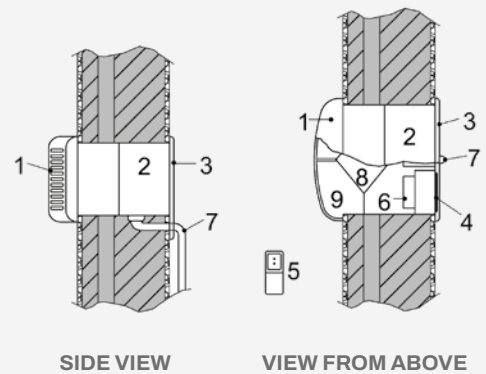
**AIRpur3<sup>+</sup>**  
wi

**AIRpur3<sup>+</sup>**  
wi-c

## BUILT-IN MODEL

Standard equipment included with built-in models:

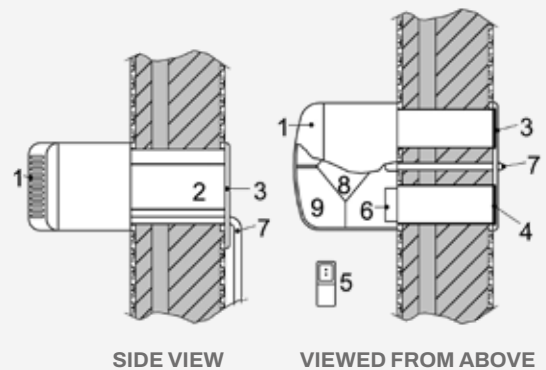
1. Front grille and control panel
2. Telescopic connecting plenum for the securing of the external grille
3. External grille
4. Removable, washable air inlet/outlet filter
5. ON/OFF 3 speed remote control device
6. 3 speed motor
7. Arrangement for connection of rigid/flexible condensate discharge pipe
8. Recyclable plastic filling material
9. Insulated shells guaranteeing maximum




## WALL-MOUNTED MODEL

Standard equipment included with wall-mounted models:


1. Front grille and control panel
2. Connecting pipes to external grilles
3. External grille
4. Removable, washable air inlet/outlet filter
5. ON/OFF 3 speed remote control device
6. 3 speed motor
7. Arrangement for connection of rigid/flexible condensate discharge pipe
8. Recyclable plastic filling material
9. Insulated shells guaranteeing maximum



 **WALL-MOUNTED RESIDENTIAL ENTHALPY HEAT RECOVERY UNIT, INTEGRABLE INTO BMS SYSTEMS**

### TECHNICAL SPECIFICATIONS

- Ideal for wall mounting
- Hepa filtering efficiency 99%
- RS485 communication port with modbus protocol
- Insulating material that prevents condensation
- Indoor and outdoor air filtration
- High-efficiency heat and humidity recovery
- Low noise
- Brushless EC motors
- Air quality index (AQI) monitoring

 **RÉCUPÉRATEUR DE CHALEUR ENTHALPIQUE MURAL RÉSIDENTIEL, INTÉGRABLE AUX SYSTÈMES BMS**

### CARACTÉRISTIQUES TECHNIQUES

- Idéale pour l'installation murale
- Efficacité filtrage hepa 99%
- Porte de communication RS485 avec protocole modbus
- Matériau isolant qui empêche la formation de condensation
- Filtration de l'air interne et externe
- Récupération de chaleur et d'humidité à haut rendement
- Faible bruit
- Moteurs Brushless EC
- Suivi de l'indice de qualité de l'air (AQI)

 **WANDMONTIERTER RESIDENTIALER ENTHALPISCHER WÄRMERÜCKGEWINNER, IN BMS-SYSTEME INTEGRIERBAR**

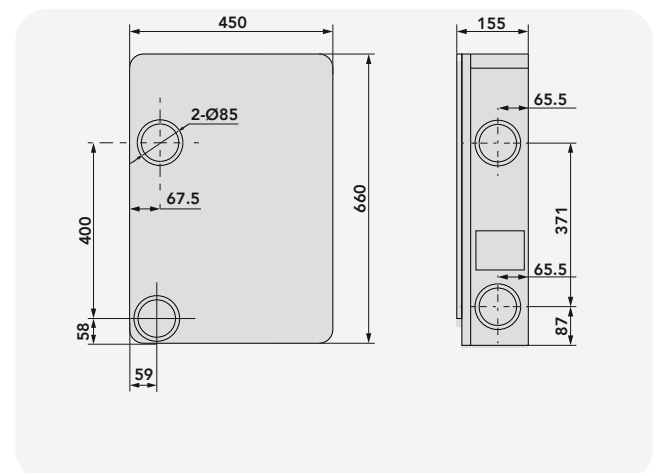
### TECHNISCHE EIGENSCHAFTEN

- Bestens für die wandmontage geeignet
- 99% Hepa-filterwirkung
- Kommunikationsanschluss RS485 mit Modbus-protokoll
- Isoliermaterial, das Kondensationsbildung verhindert
- Innen- und Außenluftfiltration
- Hocheffiziente Wärme- und Feuchtigkeitsrückgewinnung
- Geräuscharm
- Brushless EC Motoren
- Überwachung des Luftqualitätsindex (AQI)



**SILENCE AIR PLUS is a heat recovery ventilation unit with a built-in air purification function.**

Suitable for wall-mounted installation, it allows air exchange with heat and humidity recovery thanks to the cross-flow enthalpy heat exchanger.

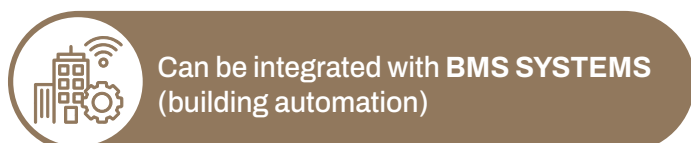


## Remote control via App for Smartphone, Tablet and Smart Watch

Thanks to the Smart Life App, your Silence Air Plus can be conveniently managed with your mobile device.

### Using the App, you can:



- Change and set the speed
- Check the cleanliness of the filter
- Set a weekly program
- Set a timer
- Control a group of interconnected Silence Air Bacs heat recovery units



TECHNICAL DATA	
Power supply	230V, 50Hz, single-phase
Maximum power consumption	44 W
Insulation class	Class I
IP Grade	IP X2
Motors	Brushless EC
Drive	8 speeds
Maximum flow rate	150 m <sup>3</sup> /h
Exchanger type	Cross-flow enthalpy
Thermal efficiency of heat exchanger	0.82
Enthalpy efficiency (heating)	0.58
Enthalpy efficiency (cooling)	0.52
Air temperature	-15°C +40 °C
Body material	ABS
Operating mode	Manual
	Automatic
	Timer
	Sleep (silent mode)
	Purification
Purifier function filter	HEPA 99%
Room area	10 ÷ 50 m <sup>2</sup>
Air quality display	Temperature, CO <sub>2</sub> , relative humidity
Control	Touch-screen display
	Remote control
	Wi-Fi
	BMS
BMS connection	RS485 protocol Modbus
Dimensions	660 x 450 x 155 mm
Weight	10 kg

## Performance at different speeds

Speed	Air flow capacity in ventilation [m <sup>3</sup> /h]	Electric power [W]	Current [A]
1	50	12.6	0.16
2	64	16.9	0.18
3	78	18.1	0.19
4	92	22.9	0.21
5	106	25.2	0.24
6	120	29.2	0.27
7	134	34.2	0.31
8	150	43.8	0.37

CODE	DESCRIPTION	U.M.	 Pieces per box	
ACC300009	"SILENCE AIR" RESIDENTIAL HEAT RECOVERY UNIT - WALL MOUNTED- 150 m <sup>3</sup> /h - USABLE WITH BMS SYSTEMS - SILENCE AIR PLUS	PCS	1	

Datasheet

 **COMPACT DUCTABLE SENSIBLE HEAT RECOVERY UNIT FOR CEILING INSTALLATION**


**TECHNICAL SPECIFICATIONS**

- For false ceiling installation
- Power supply: 230V - 50 Hz
- Centrifugal EC motors
- Removable grade G4 filters
- Couplers: Ø 150 mm
- High-efficiency heat exchanger in polystyrene
- Removable delivery and intake filters
- Equipped with coupling for condensate drain
- Sensible heat exchanger

 **RÉCUPÉRATEUR DE CHALEUR SENSIBLE COMPACT CANALISABLE POUR INSTALLATION AU PLAFOND**

**CARACTÉRISTIQUES TECHNIQUES**

- Pour l'installation de faux-plafond
- Alimentation: 230V - 50 Hz
- Moteurs centrifuges EC
- Filtres amovibles grade G4
- Raccords : Ø 150 mm
- Échangeur de chaleur à haute efficacité en polystyrène
- Filtres d'entrée et de sortie amovibles
- Équipé d'un raccord pour la vidange du condensat
- Échangeur de chaleur sensible

 **KOMPAKTER KANALAN-SCHLIESSBARER SENSIBLER WÄRMERÜCKGEWINNER ZUR DECKENMONTAGE**

**TECHNISCHE EIGENSCHAFTEN**

- Für die Montage an einer Zwischendecke
- Versorgung: 230V - 50 Hz
- Zentrifugale EC-Motoren
- Herausnehmbare Filter, Grad G4
- Anschlüsse: Ø 150 mm
- Hochleistungs-Wärmetauscher aus Polystyrol
- Herausnehmbare Einlass- und Auslassfilter
- Mit Anschluss für Kondensatableitung
- Sensibler Wärmetauscher

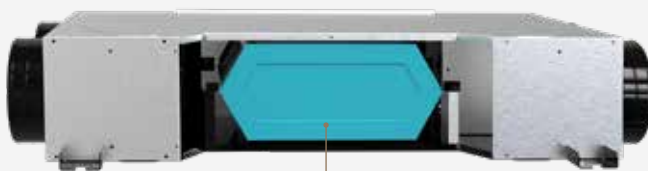


Flow regulator supplied

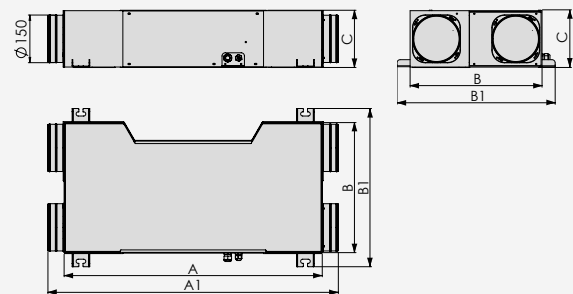
G4 Filter

Extremely compact

**LATERAL VIEW**



EXCHANGE PACK  
Extraction from the side

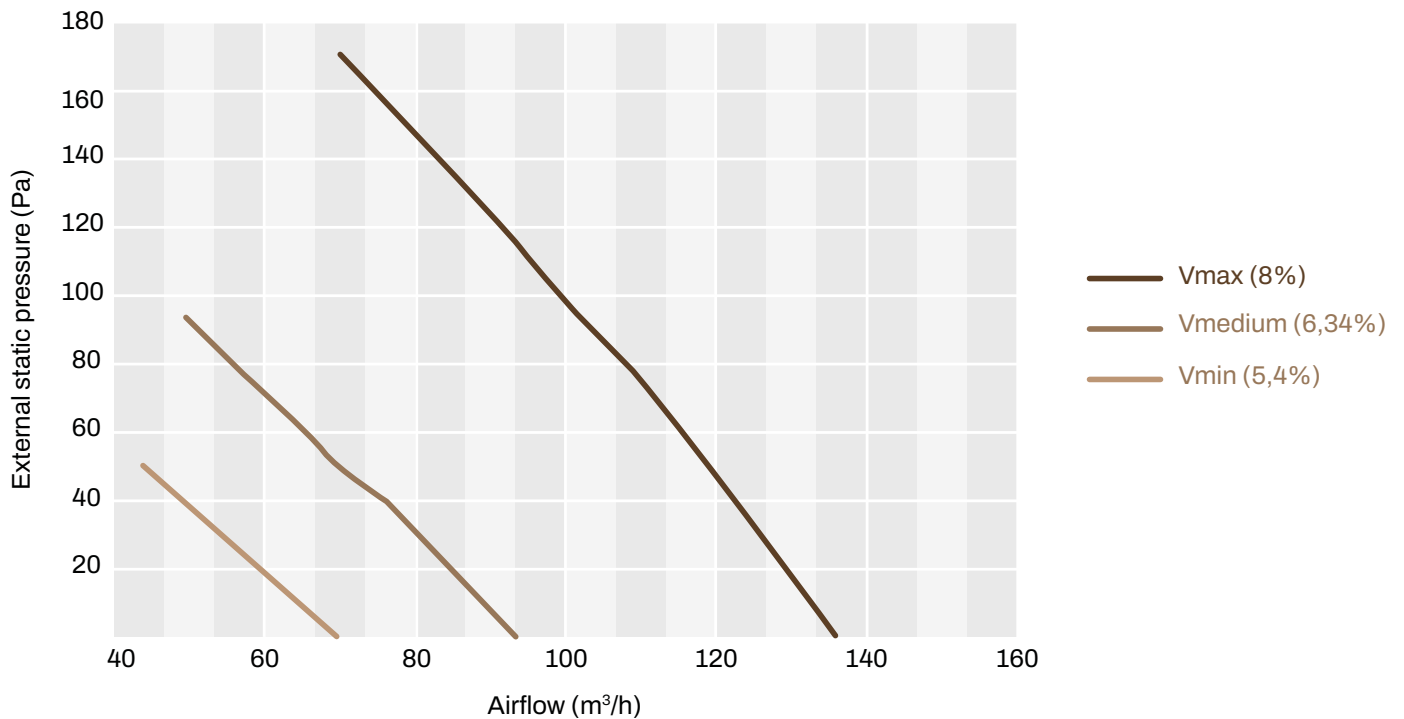


**DIMENSIONS [mm]**

A	A1	B	B1	C
805	905	405	495	180

## ELECTRICAL AND PERFORMANCE DATA

Type	Bidirectional Residential Ventilation Unit
Power supply	230 V - 50 Hz
Electrical power absorbed at maximum flow rate for single flow [W]	29
Electrical power absorbed at maximum capacity [W]	58
Maximum capacity (a 100 Pa) [m <sup>3</sup> /h]	100
Thermal efficiency of the exchange pack	76,5
Energy class (class SEC temperate climate)	B
Type of heat recovery	Recovery
Type of control	Manual control



CODE	DESCRIPTION	U.M.	Pieces per box
ACD200064	COMPACT 30 COMPACT CEILING-MOUNTED DUCTABLE STATIC HEAT RECOVERY UNIT	PCS	1

Datasheet



**HIGH-EFFICIENCY DUCTABLE SENSIBLE HEAT RECOVERY UNIT FOR CEILING INSTALLATION WITH AUTOMATIC MECHANICAL BYPASS**

**TECHNICAL SPECIFICATIONS**

- For false ceiling installation
- Power supply 230V - 50Hz
- Centrifugal EC motors
- Removable grade G4 filters
- Ø 150 mm couplings
- High-efficiency heat exchanger in polystyrene
- Removable delivery and intake filters
- Equipped with coupling for condensate drain
- Equipped with automatic bypass activation
- Includes wall-mounted control panel with dirty filter alert

**RÉCUPÉRATEUR DE CHALEUR SENSIBLE CANALISABLE À HAUTE EFFICACITÉ POUR INSTALLATION AU PLAFOND AVEC BY-PASS MÉCANIQUE AUTOMATIQUE**

**CARACTÉRISTIQUES TECHNIQUES**

- Pour l'installation de faux-plafond
- Alimentation 230 V - 50 Hz
- Moteurs centrifuges EC
- Filtres amovibles grade G4
- Raccords Ø 150 mm
- Échangeur de chaleur à haute efficacité en polystyrène
- Filtres d'entrée et de sortie amovibles
- Équipé d'un raccord pour la vidange du condensat
- Équipé de by-pass à actionnement automatique
- Livré avec panneau de commande mural avec signalisation de filtre sale

**HOCHLEISTUNGS-KANALANSCHLIESSBARER SENSIBLER WÄRMERÜCKGEWINNER ZUR DECKENMONTAGE MIT AUTOMATISCHEM MECHANISCHEM BYPASS**

**TECHNISCHE EIGENSCHAFTEN**

- Für die Montage an einer Zwischendecke
- Stromversorgung 230V - 50Hz
- Zentrifugale EC-Motoren
- Herausnehmbare Filter, Grad G4
- Ø 150 mm Anschlüsse
- Hochleistungs-Wärmetauscher aus Polystyrol
- Herausnehmbare Einlass- und Auslassfilter
- Mit Anschluss für Kondensatableitung
- Mit automatisch betätigtem Bypass
- Komplett mit Wandbedienfeld mit Meldung verschmutzter Filter

Ceiling mounted

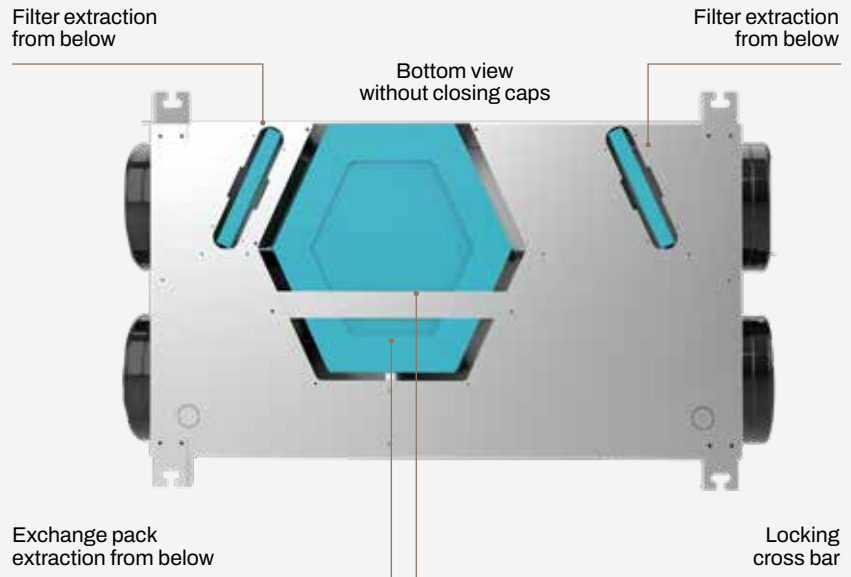
Grade F7 filters on request



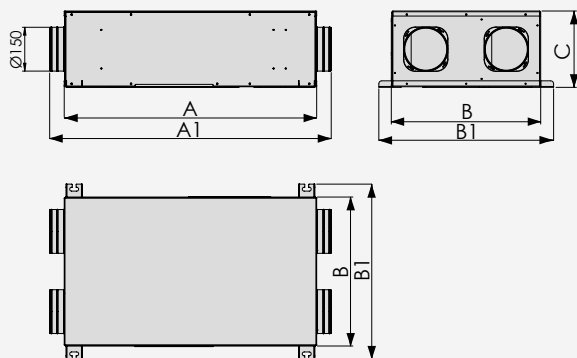
Wall control panel included



Advanced configuration terminal for installer (optional)



Note: to extract the exchange pack it's necessary to remove the locking cross bar



Can be integrated with BMS SYSTEMS (building automation)

**DIMENSIONS [mm]**

A	A1	B	B1	C
850	948	500	589	257

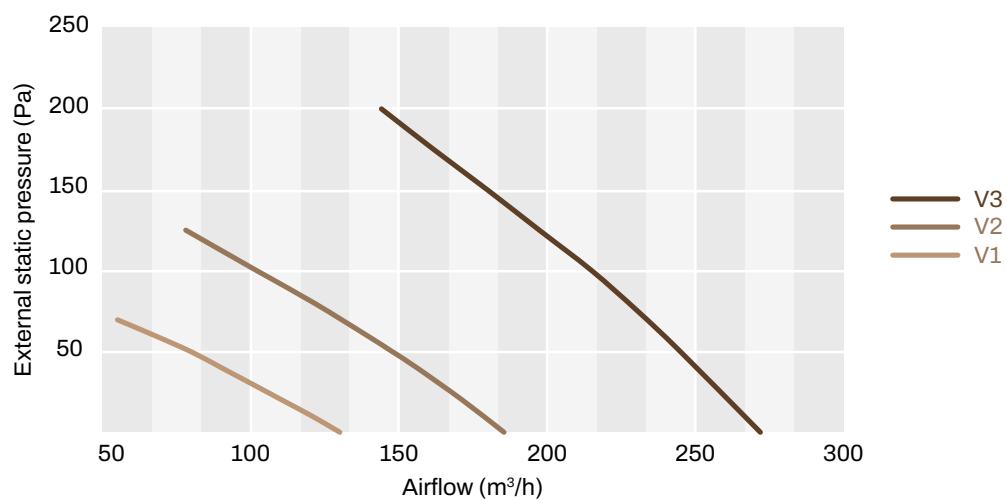



**ELECTRICAL AND PERFORMANCE DATA**

Type	Bidirectional Residential Ventilation Unit
Power Supply	230 V - 50 Hz
Electrical power input at maximum flow rate [W]	113
Maximum flow rate (a 100 Pa) [m³/h]	215
Thermal efficiency of the heat recovery (%)	86
ENERGY RATING (Class SEC temperate climate)	A
Type of heat recovery	Recovery
Type of control	Local environmental control

**TECHNICAL CHARACTERISTICS OF RECUPERATOR**

Body material	Electro-galvanised-plated sheet
Insulation	Closed-cell polyethylene 3 mm
Filter: delivery/intake	G4
Duct diameter [mm]	Ø150
Type of heat recovery unit	Cross-flow



CODE	DESCRIPTION	U.M.	 Pieces per box
ACD200065	TOTAL AIR 200 HIGH-EFFICIENCY CEILING-MOUNTED DUCTABLE STATIC HEAT RECOVERY UNIT WITH AUTOMATIC MECHANICAL BY-PASS	PCS	1
ACC200015	ADVANCED SETUP DISPLAY FOR INSTALLERS (OPTIONAL)	PCS	1
ACC200016	CABLE FOR CONFIGURATING DISPLAY	PCS	1

Datasheet





# TS HRVU    TS ERVU

THE COMPACT AND LIGHTWEIGHT MVHR  
DESIGNED BY TECNOSYSTEMI

The TS-HRVU and TS-ERVU systems represents an advanced solution for air exchange in residential environments, thanks to the integration of a sensitive counterflow heat exchanger (TS-HRVU) and an enthalpic heat exchanger (TS-ERVU) that allows heat recovery during the ventilation process. This type of technology ensures superior energy efficiency, reducing the need for artificial heating or cooling, while improving indoor air quality.

Advanced technology allows automatic management of air flows, which can be adjusted according to the specific needs of users, improving the overall energy efficiency of the home. The TS-HRVU and TS-ERVU ensure not only effective ventilation, but also significant energy savings, improving indoor air quality without compromising thermal comfort.

Thanks to its ability to optimize heat recovery, it is particularly suitable in residential environments that require continuous air exchange and a high standard of energy efficiency.



Extractable ISO  
Coarse filters  
60% G4



Modbus BMS  
connection



Thermo-acoustic  
insulation



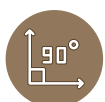
Brushless EC  
motors



Antifreeze feature



Reversible upon  
assembly



90° adjustable  
aerulic  
connections



4 temperature  
sensors



Free Cooling  
Free Heating

# THE IMPORTANCE OF THE MVHR

**MVHR (Mechanical Ventilation Heat Recovery) is essential to ensure a healthy and comfortable environment** inside buildings. It allows you to **optimally manage air exchange, avoiding the accumulation of moisture, pollutants and CO<sub>2</sub>.**

A good MVHR improves air quality, **reduces the risk of mould and bacteria formation and contributes to energy savings**, since it allows heat to be recovered from the extracted air and reduces the heating requirement. In addition, **it is essential for well-being, as quality air can prevent breathing problems and improve concentration and comfort indoors.**



Healthy Environment



Increases energy efficiency



Increases Comfort



Reduces Humidity and CO<sub>2</sub>

Self-supporting structure in recycled EPP (PPE)

Coarse 60% Filter G4

Condensate drain

EC Brushless motors

Heat exchanger pack

Fixing brackets

90° adjustable aeraulic connections

**DUCTED CEILING-MOUNTED SENSIBLE HEAT RECOVERY UNIT**

**TECHNICAL SPECIFICATIONS**

- Ceiling and wall installation
- ISO ePM10 50% on the suction ducts
- RS485 communication port with modbus protocol\*
- Entire casing made of EPP, providing thermal and acoustic insulation
- High-efficiency sensible heat exchanger, made of polystyrene
- Brushless EC motors
- Reversible air duct connections, adjustable by 90° via interchangeable closing plugs
- Condensate drain
- Free cooling / free heating electronic bypass\*
- 4 integrated temperature sensors\*
- Antifreeze feature\*
- Optional accessories: VMC control with display and weekly programming, 230 V\*; CO<sub>2</sub> sensor\*; humidity sensor\*; MODBUS communication device\*; cover plate for BOX503 controls; optional additional air filter ISO ePM1 50% (on request).

**RÉCUPÉRATEUR DE CHALEUR SENSIBLE CANALISABLE POUR INSTALLATION AU PLAFOND**

**CARACTÉRISTIQUES TECHNIQUES**

- Installation au plafond et au mur
- Filtre ISO ePM10 50 % sur les conduits d'aspiration
- Porte de communication RS485 avec protocole modbus\*-
- Enveloppe complète en EPP, assurant l'isolation thermique et acoustique
- Échangeur de chaleur sensible à haute efficacité, réalisé en polystyrène
- Moteurs Brushless EC
- Connexions aérauliques réversibles et orientables à 90° au moyen de bouchons de fermeture interchangeables
- Évacuation des condensats
- Bypass électronique free cooling / free heating\*
- 4 capteurs de température intégrés\*
- Fonction antigel\*
- Accessoires optionnels : commande VMC avec écran et programmation hebdomadaire, 230 V\* ; capteur de CO<sub>2</sub>\*; capteur d'humidité\* ; dispositif de communication MODBUS\* ; plaque de fermeture pour commandes BOX503 ; filtre à air supplémentaire en option ISO ePM1 50 % (sur demande).

\* seulement modèles 180-250-320

**KANALANSCHLIESSBARER SENSIBLER WÄRMERÜCKGEWINNER ZUR DECKENMONTAGE**

**TECHNISCHE EIGENSCHAFTEN**

- Decken- und Wandmontage
- Filter ISO ePM10 50 % an den Ansaugkanälen
- Kommunikationsanschluss RS485 mit modbus-protokoll\*
- Gehäuse vollständig aus EPP, mit Wärme- und Schalldämmfunktion
- Hochleistungs-sensibler Wärmetauscher aus Polystyrol
- Brushless EC Motoren
- Reversible und um 90° drehbare Luftanschlüsse mittels austauschbarer Verschlussstopfen
- Kondensatablauf
- Elektronischer Bypass Free Cooling / Free Heating\*
- 4 integrierte Temperatursensoren\*
- Frostschutz-Funktion\*
- Optionale Zubehörteile: VMC-Steuerung mit Display und Wochenprogrammierung, 230 V\*; CO<sub>2</sub>-Sensor\*; Feuchtesensor\*; MODBUS-Kommunikationsgerät\*; Abdeckplatte für BOX503-Bedienelemente; zusätzlicher Luftfilter optional ISO ePM1 50 % (auf Anfrage).

\* nur Modelle 180-250-320

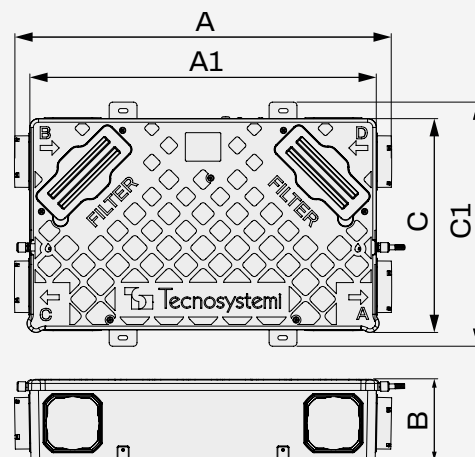


Control device supplied with mod. TS120



Control device supplied with mod. TS180, TS250, and TS320

**A**



CODE	DESCRIPTION	DIMENSIONS [mm]					U.M.	Pieces per box
		A	A1	B	C	C1		
ACD200068	HEAT RECOVERY UNIT HRVU TS120 0/10V	1100	990	230	700	610	PCS	1
ACD200067	HEAT RECOVERY UNIT HRVU TS180 RF	1100	990	230	700	610	PCS	1
ACD200066	HEAT RECOVERY UNIT HRVU TS250 RF	1100	990	230	700	610	PCS	1
ACD200075	HEAT RECOVERY UNIT HRVU TS320RF	1100	990	230	700	610	PCS	1
ACD200069	CONTROL DEVICE WITH PROGRAMMING DISPLAY						PCS	1
ACD200077	CONTROL FOR VMC HRVU SENSOR CO2						PCS	1
ACD200078	CONTROL FOR VMC HRVU SENSOR HUMIDITY						PCS	1
ACD200070	BLOCK FRAME FOR CONTROL DEVICE BOX503						PCS	1
ACD200071	FOLDED FILTER F7 ISO EMP >50% 185X255X22 FOR MODEL 120-180-250-320M3H						PCS	1

**Datasheet**



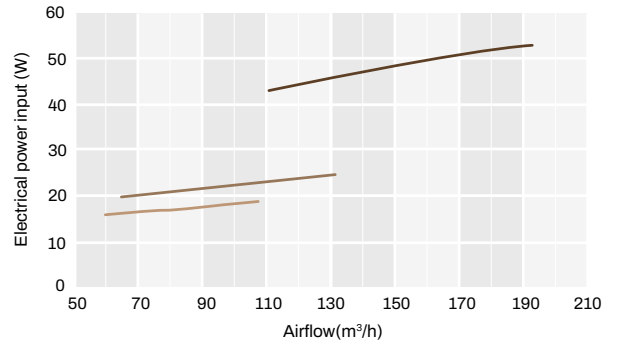
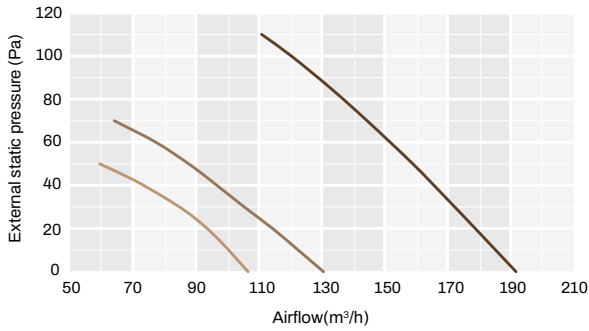
ELECTRICAL DATA				
MODEL	HRVU TS120	HRVU TS180	HRVU TS250	HRVU TS320
Power supply	230 V – 50 Hz			
Maximum power(W)	55	90	160	200
Maximum current (A)	0.5	0.6	0.8	0.9
Insulation class	Class 1			
IP rating	IP22			
Operating temperature in the installation compartment (°C)	-10°C ÷ +40°C			
Relative operating humidity (%RH at 25° C)	< 85 %			
PERFORMANCE DATA				
Volumetric flow rate @100 Pa (m³/h) maximum at 100 Pa	120	180	250	280
Energy rating (SEC temperate climate)	A			
Heat Efficiency (%)	88.5	87	85.8	85.2
Type of heat recovery unit	Counterflow sensible heat exchanger HRC1a			
Bypass	Not present	Electronically operated mechanical system		
Minimum External Air Temperature (°C)	-15			
Reversible mounting	yes			
Antifreeze feature	no	yes (imbalance of flows)		
Air filters as standard	ISO ePM10 50%			
Additional air filters (upon request)	ISO ePM1 50%			
Sound pressure LpA (2 m)	38	43	47	49
CONSTRUCTION CHARACTERISTICS				
Type of motors	Brushless EC			
Body material	Expanded polypropylene (EPP) with galvanised metal sheet supports			
Dimensions(mm)	1100x230x610			
Weight (kg)	14			
Aeraulic fittings (Ø mm)	150			
Condensate drain	1/2" thread or hose holder			
CONTROLS				
Remote control	0-10V regulator	4-button WiFi digital control		
Weekly programming	no	Control available on request		
BMS control	0-10 V	MODBUS - RS485		

# RECOVERY CAPACITY AND PERFORMANCE DIAGRAMS

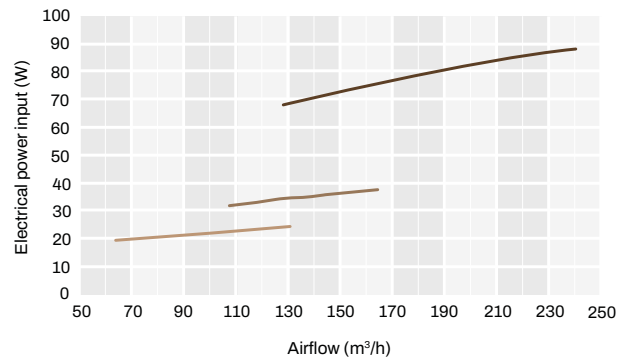
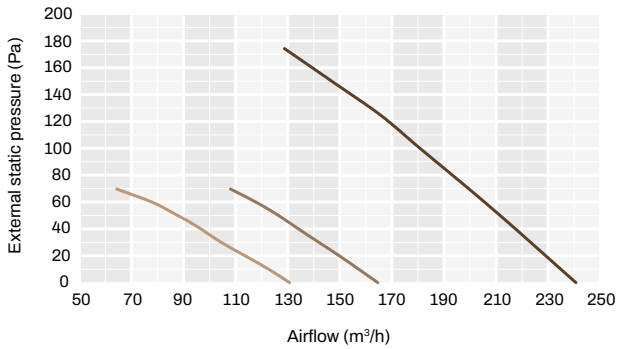


Max speed
  Mid speed
  Min speed

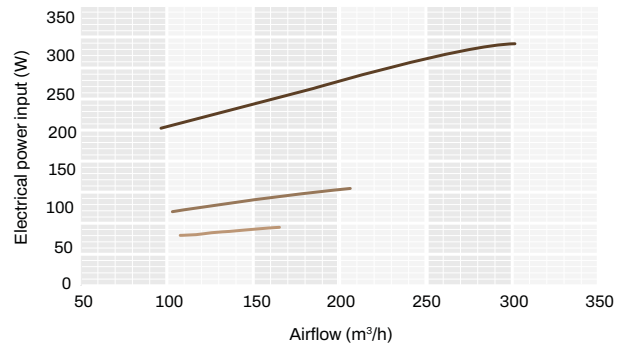
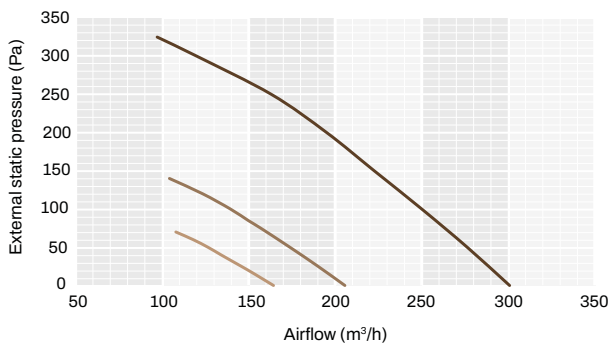
## HRVU TS120



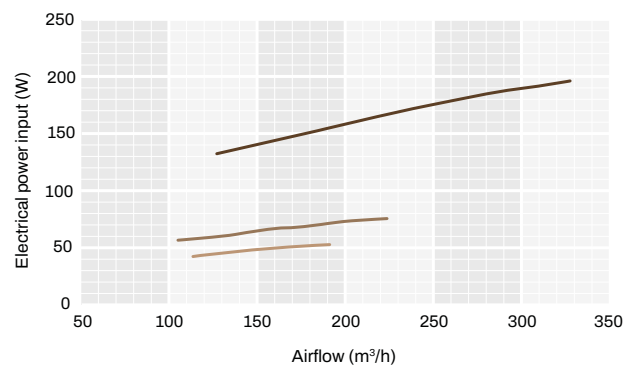
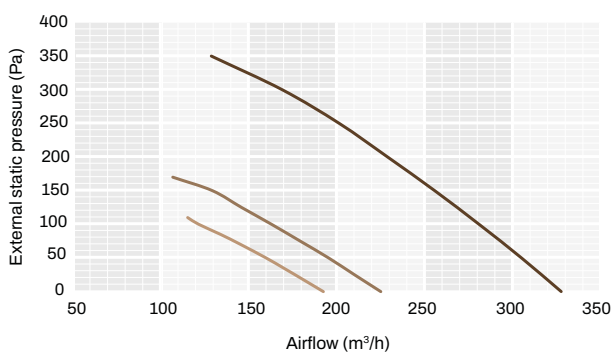
## HRVU TS180



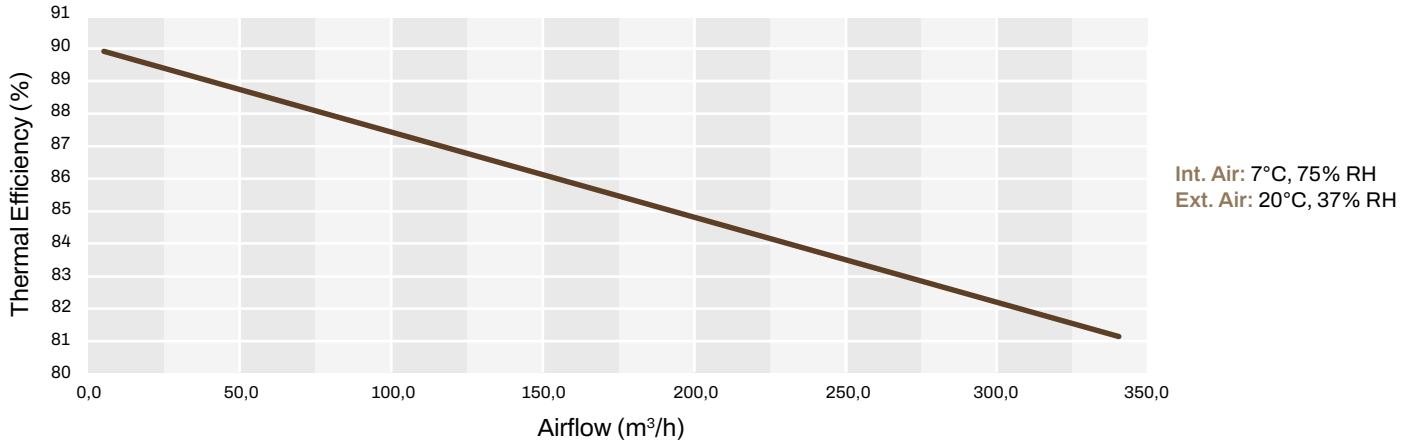
## HRVU TS250



## HRVU TS320



# THERMAL EFFICIENCY OF THE HEAT EXCHANGER



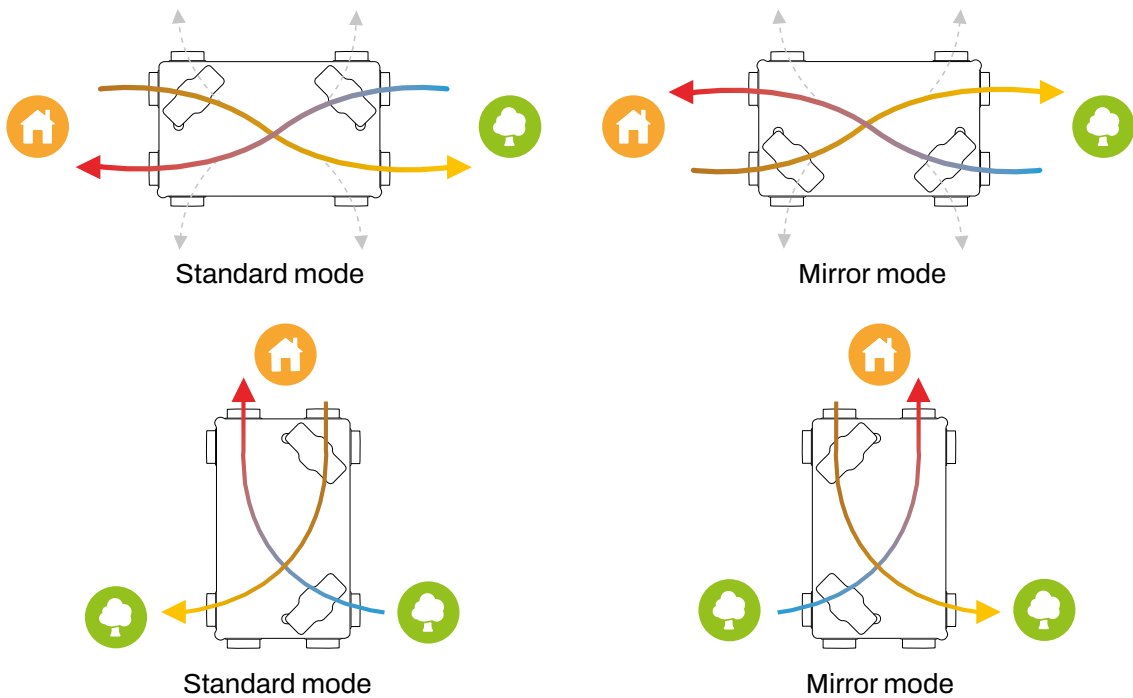
**90° CAP ADJUSTABLE AERAULIC CONNECTIONS**  
The aeraulic connections can be oriented at 90° thanks to the quick coupling and uncoupling system and the airtight plugs.



**VERTICAL CEILING OR WALL MOUNTING**

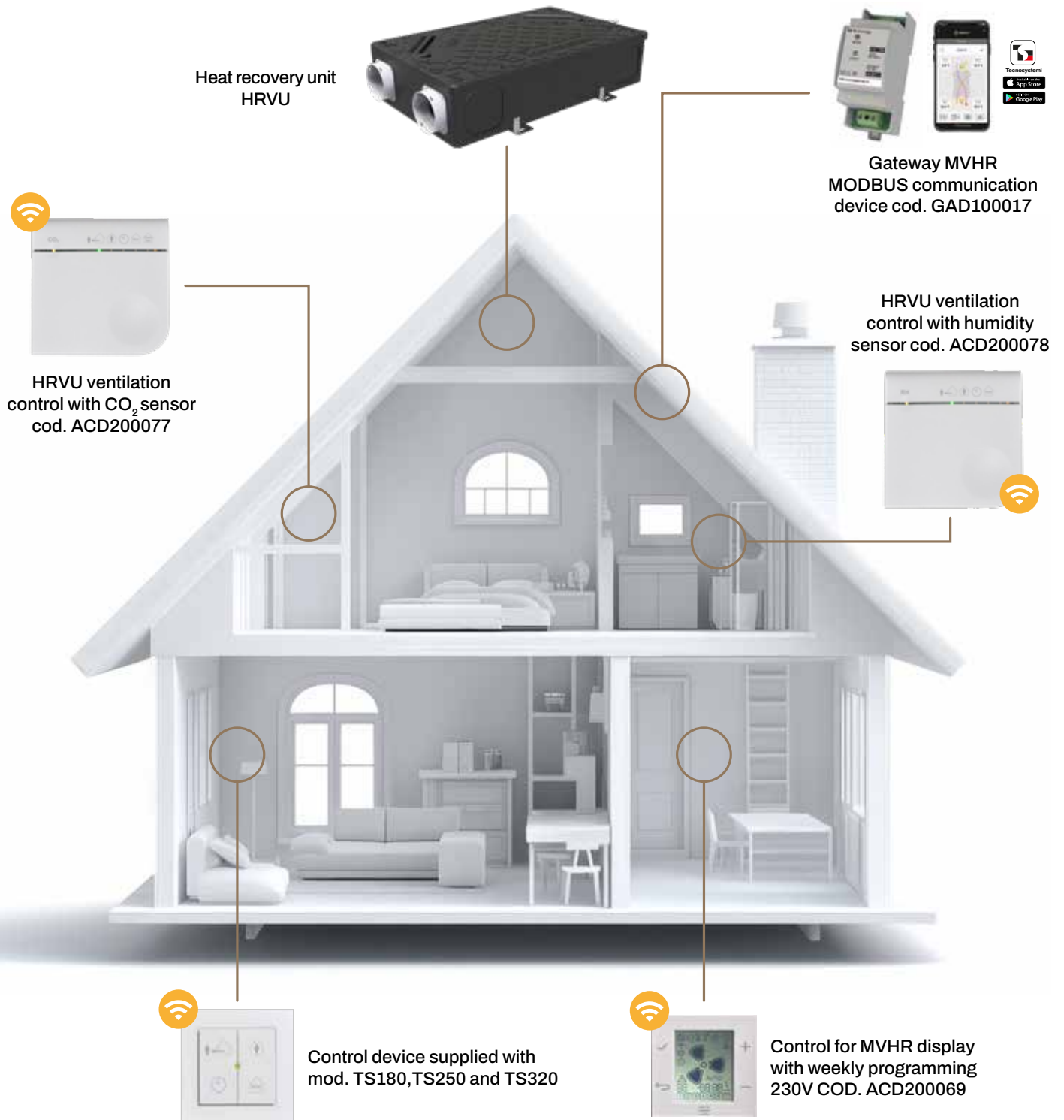
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## 90° ADJUSTABLE AERAULIC CONNECTIONS

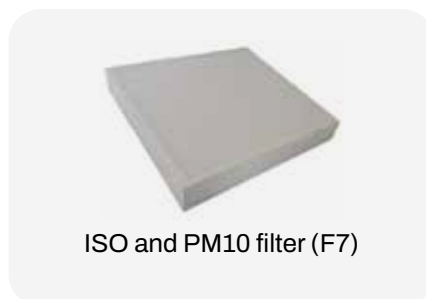


# INSTALLATION EXAMPLE

Up to 16 control devices can be paired with each single recovery unit  
Only models 180 - 250 - 320



## Accessories available separately



**ENTHALPIC HEAT RECOVERY UNIT CEILING-MOUNTED DUCTED**

**TECHNICAL SPECIFICATIONS**

- Ceiling and wall installation
- ISO ePM10 50% on the suction ducts
- RS485 communication port with modbus protocol\*
- Entire casing made of EPP, providing thermal and acoustic insulation
- High-efficiency enthalpy exchanger, made of PET (polyethylene) and polymer membrane
- Brushless EC motors
- Reversible air duct connections, adjustable by 90° via interchangeable closing plugs
- Condensate drain
- Free cooling / free heating electronic bypass\*
- 4 integrated temperature sensors\*
- Antifreeze feature\*
- Optional accessories: VMC control with display and weekly programming, 230 V\*; CO<sub>2</sub> sensor\*; humidity sensor\*; MODBUS communication device\*; cover plate for BOX503 controls; optional additional air filter ISO ePM1 50% (on request).

\* only 180-250 models

**RÉCUPÉRATEUR DE CHALEUR ENTHALPIQUE À GOULOTTE AU PLAFOND**

**CARACTÉRISTIQUES TECHNIQUES**

- Installation au plafond et au mur
- Filtre ISO ePM10 50 % sur les conduits d'aspiration
- Porte de communication RS485 avec protocole modbus\*-
- Enveloppe complète en EPP, assurant l'isolation thermique et acoustique
- Échangeur d'enthalpie haute efficacité, réalisé en PET (polyéthylène) et membrane polymère
- Moteurs Brushless EC
- Connexions aérauliques réversibles et orientables à 90° au moyen de bouchons de fermeture interchangeables
- Évacuation des condensats
- Bypass électronique free cooling / free heating\*
- 4 capteurs de température intégrés\*
- Fonction antigel\*
- Accessoires optionnels : commande VMC avec écran et programmation hebdomadaire, 230 V\*; capteur de CO<sub>2</sub>\* ; capteur d'humidité\* ; dispositif de communication MODBUS\* ; plaque de fermeture pour commandes BOX503 ; filtre à air supplémentaire en option ISO ePM1 50 % (sur demande).

\* seulement modèles 180-250

**ENTHALPIE-WÄRMERÜCKGEWINNUNGSGERÄT KANN AN DIE DECKE GELEITET WERDEN**

**TECHNISCHE EIGENSCHAFTEN**

- Decken- und Wandmontage
- Filter ISO ePM10 50 % an den Ansaugkanälen
- Kommunikationsanschluss RS485 mit modbus-protokoll\*
- Gehäuse vollständig aus EPP, mit Wärme- und Schalldämmfunktion
- Hocheffizienter Enthalpie-Wärmetauscher aus PET (Polyethylen) und Polymermembran
- Brushless EC Motoren
- Reversible und um 90° drehbare Luftanschlüsse mittels austauschbarer Verschlussstopfen
- Kondensatablauf
- Elektronischer Bypass Free Cooling / Free Heating\*
- 4 integrierte Temperatursensoren\*
- Frostschutz-Funktion\*
- Optionale Zubehörteile: VMC-Steuerung mit Display und Wochenprogrammierung, 230 V\*; CO<sub>2</sub>-Sensor\*; Feuchtesensor\*; MODBUS-Kommunikationsgerät\*; Abdeckplatte für BOX503-Bedienelemente; zusätzlicher Luftfilter optional ISO ePM1 50 % (auf Anfrage).

\*nur Modelle 180-250



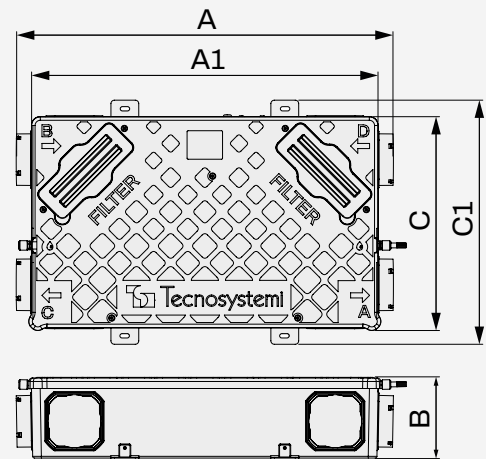
Control device supplied with mod. TS120



Control device supplied with mod. TS120 and TS250



**A**



CODE	DESCRIPTION	DIMENSIONS [mm]					U.M.	Pieces per box
		A	A1	B	C	C1		
ACD300007	VENTILATION UNIT WITH HEAT RECOVERY ERVU TS120 0/10V ENTHALPY	1100	990	230	700	610	PCS	1
ACD300008	VENTILATION UNIT WITH HEAT RECOVERY ERVU TS180 RF ENTHALPY	1100	990	230	700	610	PCS	1
ACD300009	VENTILATION UNIT WITH HEAT RECOVERY ERVU TS250 RF ENTHALPY	1100	990	230	700	610	PCS	1
ACD200069	CONTROL DEVICE WITH PROGRAMMING DISPLAY						PCS	1
ACD200077	CONTROL FOR VMC HRVU SENSOR CO2						PCS	1
ACD200078	CONTROL FOR VMC HRVU SENSOR HUMIDITY						PCS	1
ACD200070	BLOCK FRAME FOR CONTROL DEVICE BOX503						PCS	1
ACD200071	FOLDED FILTER F7 ISO EMP >50% 185X255X22 FOR MODEL 120-180-250-320M3H						PCS	1

**Datasheet**



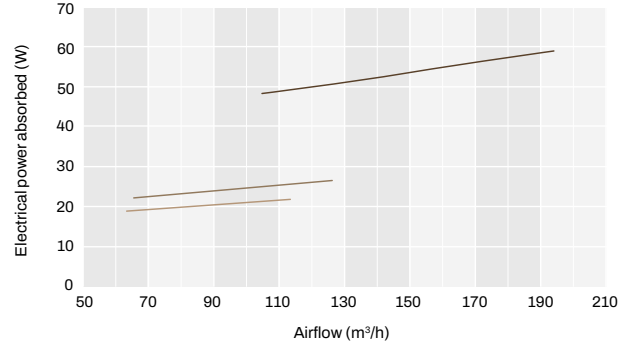
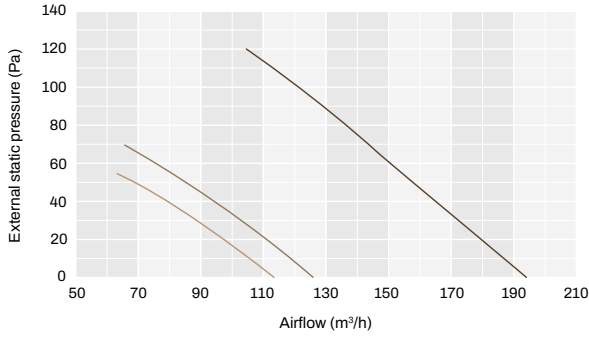
ELECTRICAL DATA			
MODEL	ERVU TS120	ERVU TS180	ERVU TS250
Power supply	230 V – 50 Hz		
Maximum power(W)	60	100	180
Maximum current (A)	0.5	0.6	0.9
Insulation class	Class 1		
IP rating	IP22		
Operating temperature in the installation compartment (°C)	-10°C ÷ +40°C		
Relative operating humidity (%RH at 25° C)	< 85 %		
PERFORMANCE DATA			
Volumetric flow rate @100 Pa (m³/h)	120	180	250
Energy rating (SEC temperate climate)	A		
Heat Efficiency (%) (20°C - 7°C)	83.8	79.3	75.5
Heat Efficiency (%) (20°C - 2°C)	82.3	79.2	75.2
Humidity recovery rate (%)	58.9	54.2	48.6
Type of heat recovery unit	Counterflow enthalpy heat exchanger HRC1x		
Bypass	Not present	Electronically operated mechanical system	
Minimum External Air Temperature (°C)	-15		
Antifreeze feature	no	yes (imbalance of flows)	
Air filters as standard	ISO ePM10 50%		
Additional air filters (upon request)	ISO ePM1 50%		
Sound pressure LpA (2 m)	38	43	49
CONSTRUCTION CHARACTERISTICS			
Type of motors	Brushless EC		
Body material	Expanded polypropylene (EPP) with galvanised metal sheet supports		
Dimensions(mm)	1100x230x610		
Weight (kg)	14		
Aeraulic fittings (Ø mm)	150		
Condensate drain	1/2" thread or hose holder		
Reversible mounting	yes		
CONTROLS			
Remote control	0-10V regulator	4-button WiFi digital control	
Weekly programming	no	Control available on request	
BMS control	0-10 V	MODBUS - RS485	

# RECOVERY CAPACITY AND PERFORMANCE DIAGRAMS

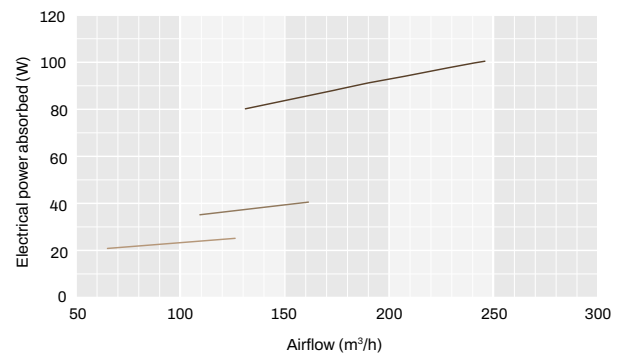
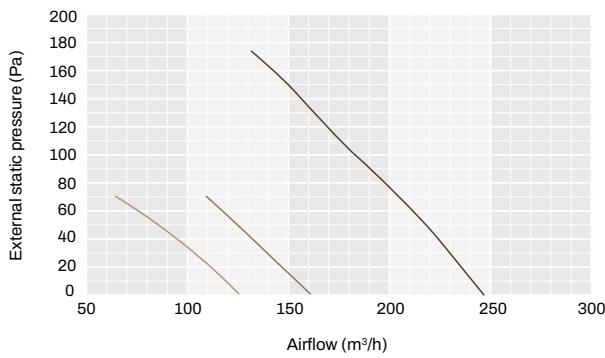


Max speed
  Mid speed
  Min speed

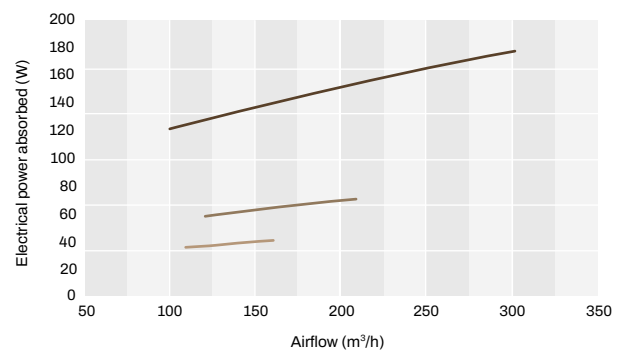
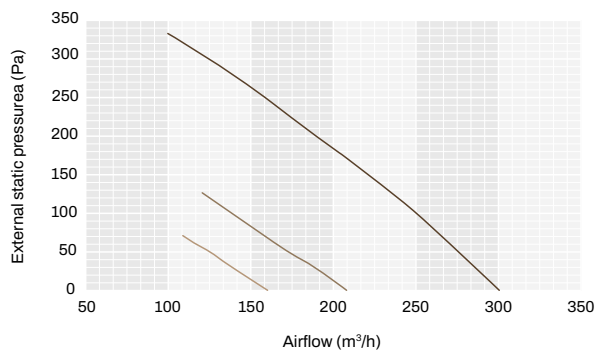
## ERVU TS120



## ERVU TS180

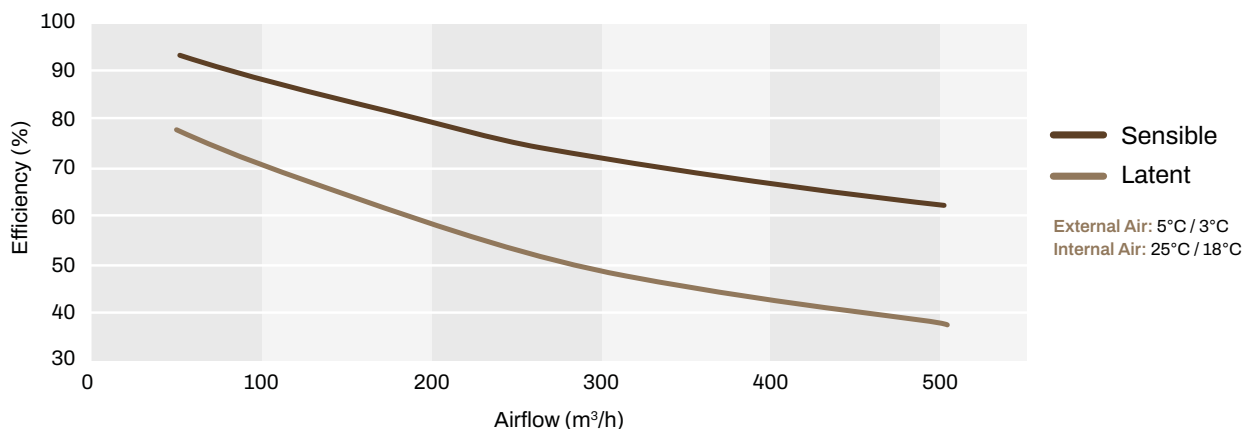


## ERVU TS250



# THERMAL EFFICIENCY OF THE HEAT EXCHANGER

**NEW** TSERVU

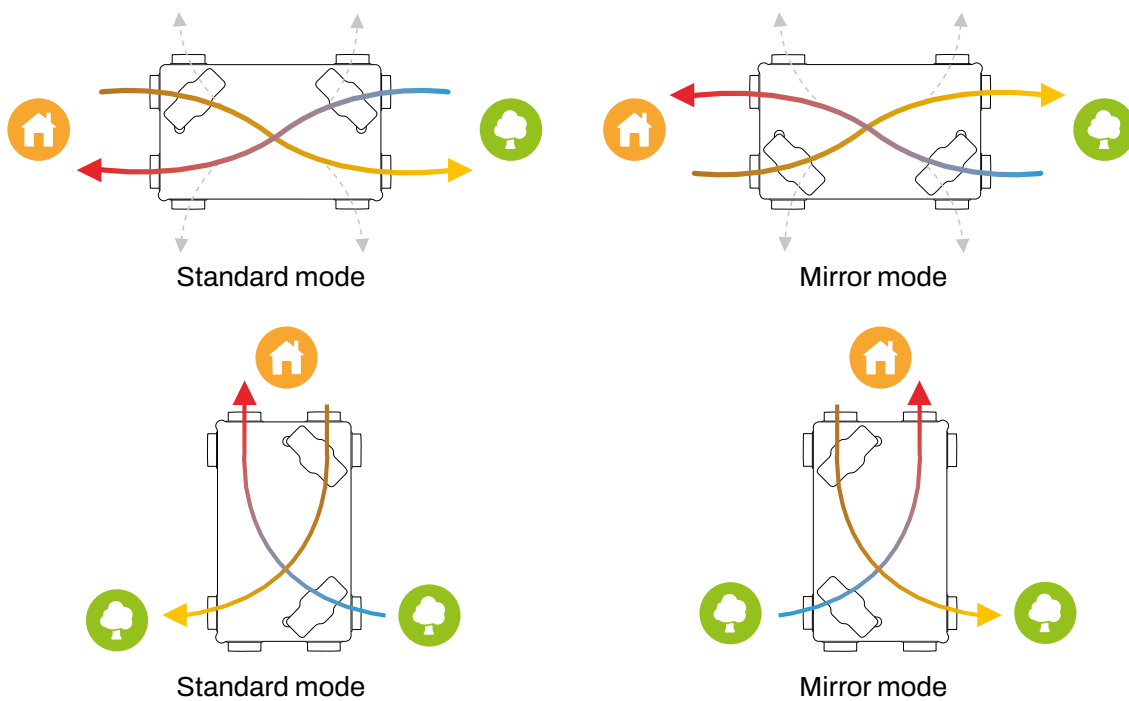


**90° CAP ADJUSTABLE AERAULIC CONNECTIONS**  
The aeraulic connections can be oriented at 90° thanks to the quick coupling and uncoupling system and the airtight plugs.



**VERTICAL CEILING OR WALL MOUNTING**

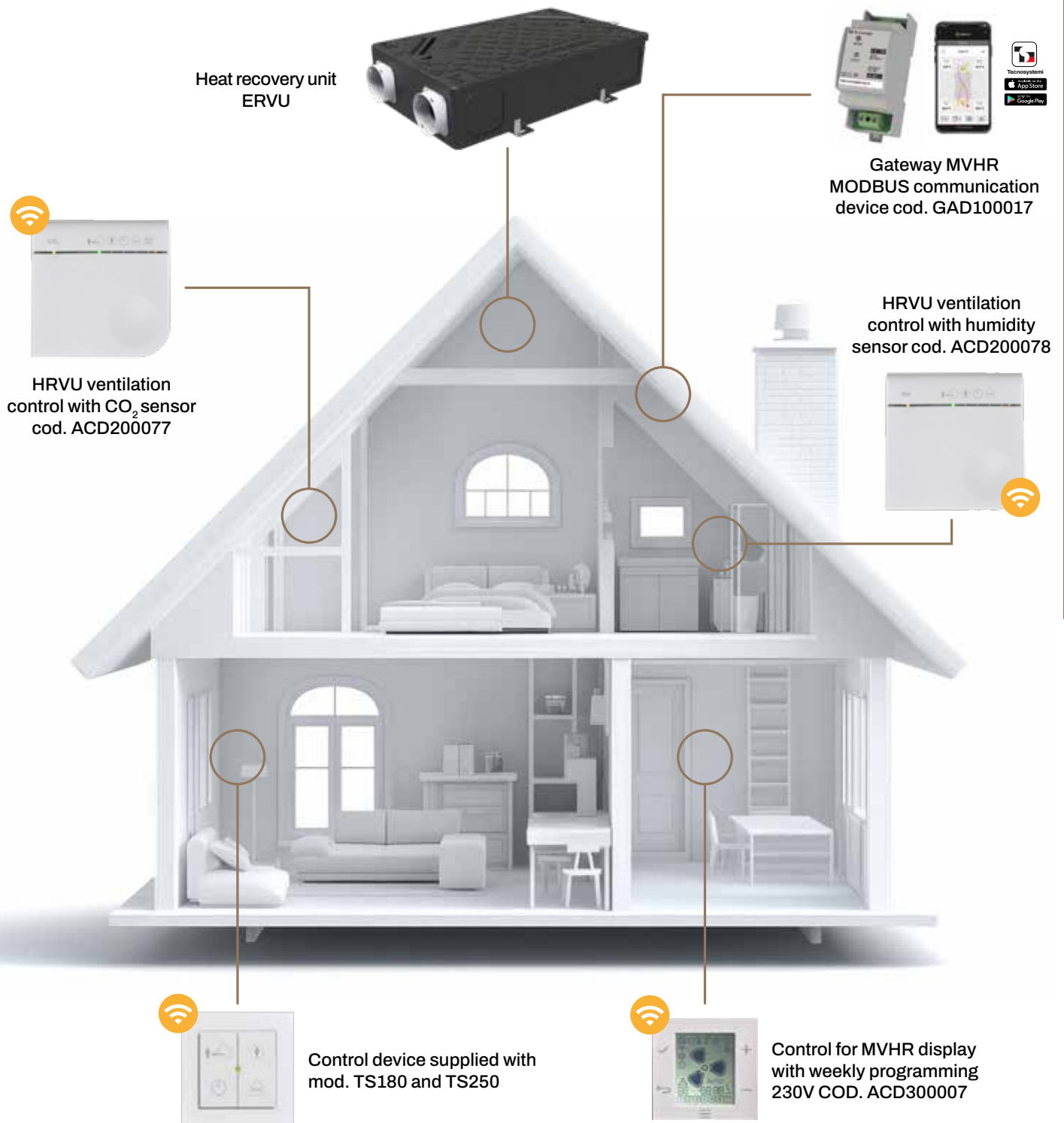
## 90° ADJUSTABLE AERAULIC CONNECTIONS



## INSTALLATION EXAMPLE

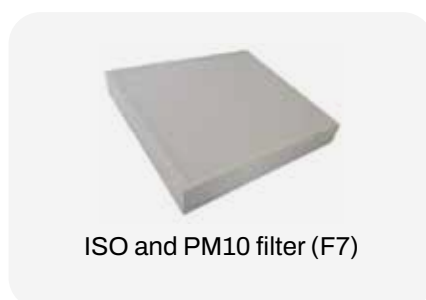
Up to 16 control devices can be paired with each single recovery unit  
Only models 180 - 250

**NEW** **TS** ERVU



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## Accessories available separately



 **MODBUS - WIFI COMMUNICATION DEVICE**

**TECHNICAL SPECIFICATIONS**

- Dimensions L 35 x H 90 x D 62 (2 modules)
- Fastening on DIN rail
- MODBUS - WIFI interface for MVHR
- Configuration and mode button
- Mode LED

 **DISPOSITIF DE COMMUNICATION MODBUS - WIFI**

**CARACTÉRISTIQUES TECHNIQUES**

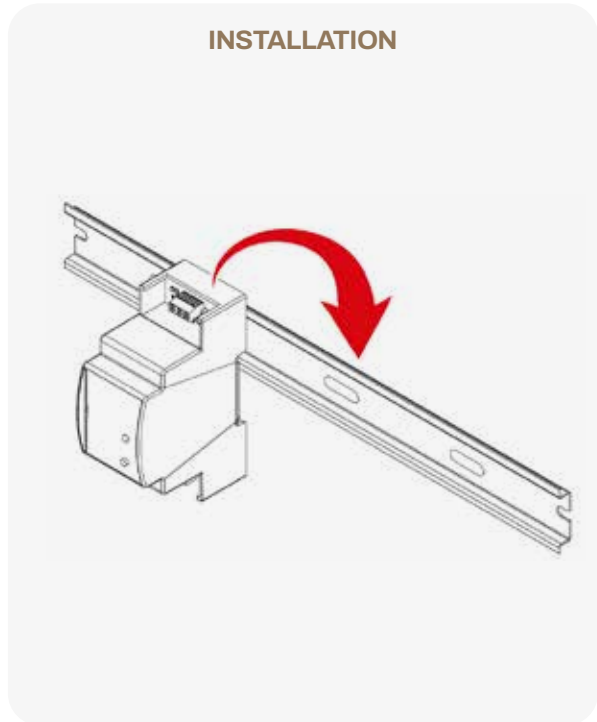
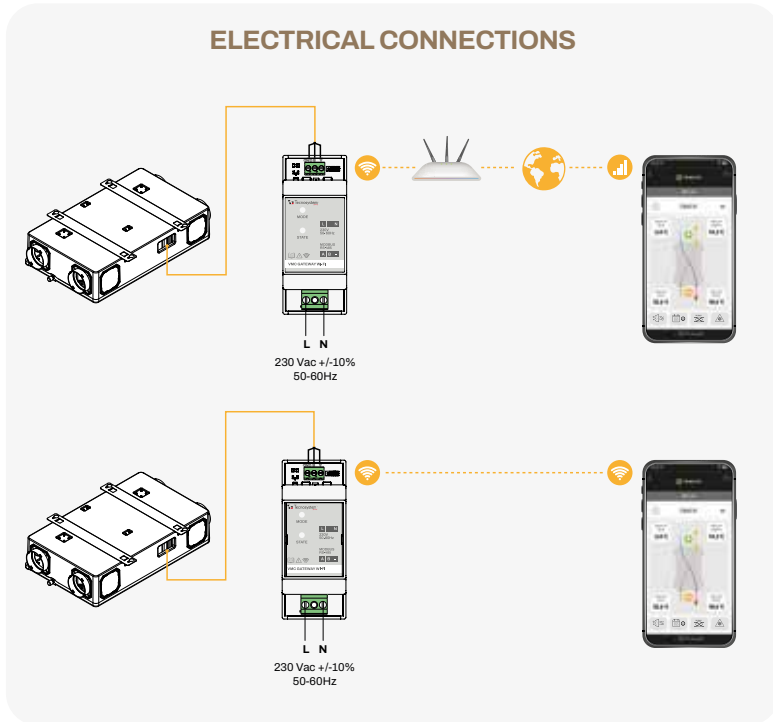
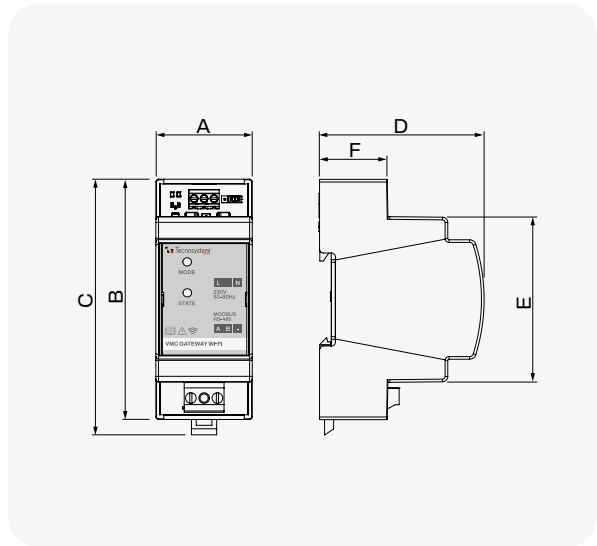
- Dimensions L 35 x H 90 x P 62 (2 modules)
- Fixation sur rail DIN
- Interface MODBUS - WIFI pour VMC
- Bouton de configuration et de mode
- LED de mode

 **MODBUS - WIFI KOMMUNIKATIONSGERÄT**

**TECHNISCHE EIGENSCHAFTEN**

- Abmessungen L 35 x H 90 x T 62 (2 Module)
- Befestigung an DIN Führung
- MODBUS- und WIFI-Schnittstelle für KML
- Konfigurations- und Modustaste
- Betriebsarten-LED

Compatible with TS-HRVU and TS-ERVU



CODE	DESCRIPTION	DIMENSIONS [mm]						U.M.	Pieces per box
		A	B	C	D	E	F		
GAD100017	GATEWAY VMC TS HRVU - ERVU	35	90	95	62	62	25	PCS	1

**Datasheet**

**DUCTABLE SENSIBLE WALL-MOUNTED HEAT RECOVERY UNIT**

**TECHNICAL SPECIFICATIONS**

- Constant-flow EC brushless motors
- High-efficiency sensible heat exchanger, removable
- Mechanical bypass with electronic actuation
- For residential applications
- Self-supporting frame in painted galvanized sheet metal with internal expanded polypropylene (EPP) insulation
- Digital 5-button wired touch screen remote control, interfacing with standard WIFI module
- BMS compatible VIA RS485 modbus protocol
- Extractable filters
- Mounting brackets included
- Optional F7 filter and CO<sub>2</sub> sensor

**UNITÉ DE RÉCUPÉRATION DE CHALEUR SENSIBLE À CONDUITS POUR MONTAGE MURAL**

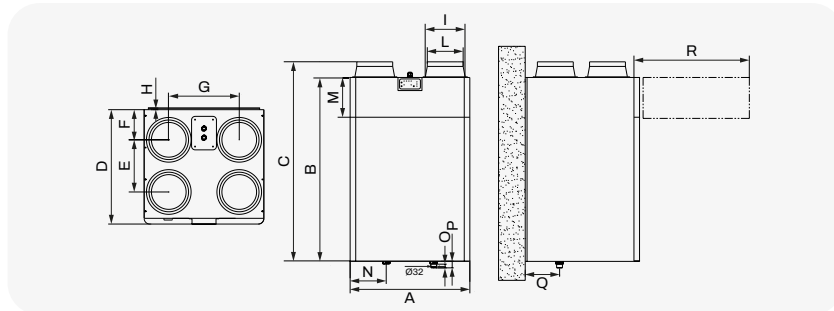
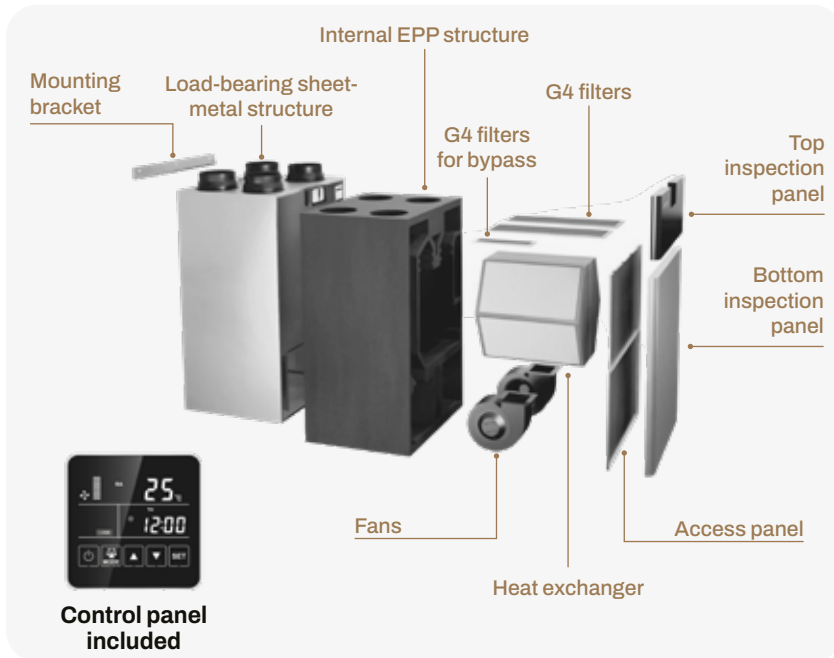
**CARACTÉRISTIQUES TECHNIQUES**

- Moteurs EC brushless à débit constant
- Échangeur de chaleur sensible à haute efficacité, amovible
- Bypass mécanique à commande électronique
- Pour applications résidentiels
- Châssis autoportant en tôle galvanisée peinte avec isolation interne en polypropylène expansé (EPP)
- Télécommande filaire numérique à écran tactile 5 boutons, compatible avec module WIFI de série
- Compatible BMS VIA RS485 protocole modbus
- Filtres amovibles
- Étriers d'ancrage fournis
- Option : filtre F7 et capteur de CO<sub>2</sub>

**KANALFÄHIGE SENSIBLE WAND-WÄRMERÜCKGEWINNUNGSEINHEIT**

**TECHNISCHE EIGENSCHAFTEN**

- EC-Brushless-Motoren mit konstantem Volumenstrom
- Hochleistungs-sensibler Wärmetauscher, herausnehmbar
- Mechanischer Bypass mit elektronischer Betätigung
- Für Wohnanwendungen
- Selbsttragender Rahmen aus lackiertem, verzinktem Blech mit innenliegender Isolierung aus expandiertem Polypropylen (EPP)
- Digitalfernbedienung mit 5-Tasten-Touchscreen (verdrahtet), kompatibel mit serienmäßigem WIFI-Modul
- Kompatibel BMS VIA RS485 Modbus-Protokoll
- Abnehmbare Filter
- Mitgelieferte Ankerbügel
- Optional F7-Filter und CO<sub>2</sub>-Sensor



**Integrable with BMS SYSTEMS**  
(building automation)

CODE	DIMENSIONS [mm]															
	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R
ACC100009	595	905	975	480	220	125.5	350	7	Ø 160	Ø 144	217	197	20	36.5	195	500
ACC100006	655	1005	1085	625.5	285	164.5	385	7	Ø 216	Ø 196	217	197	20	36.5	195	600

CODE	DESCRIPTION	U.M.	Pieces per box
ACC100009	HEAT RECOVERY UNIT TS-VERTICAL FLOW 350	PCS	1
ACC100006	HEAT RECOVERY UNIT TS-VERTICAL FLOW 500	PCS	1

**Datasheet**

ELECTRICAL OPERATING DATA	TS-VERTICAL FLOW 350	TS-VERTICAL FLOW 500
Power supply	230 V – 50 Hz	
Maximum power(W)	290	450
Maximum current (A)	1.9	2.9
Insulation class	Class 1	
IP rating	IP22	
Operating temperature in the installation compartment (°C)	-10°C ÷ +40°C	
Relative operating humidity (%RH at 25° C)	< 85 %	

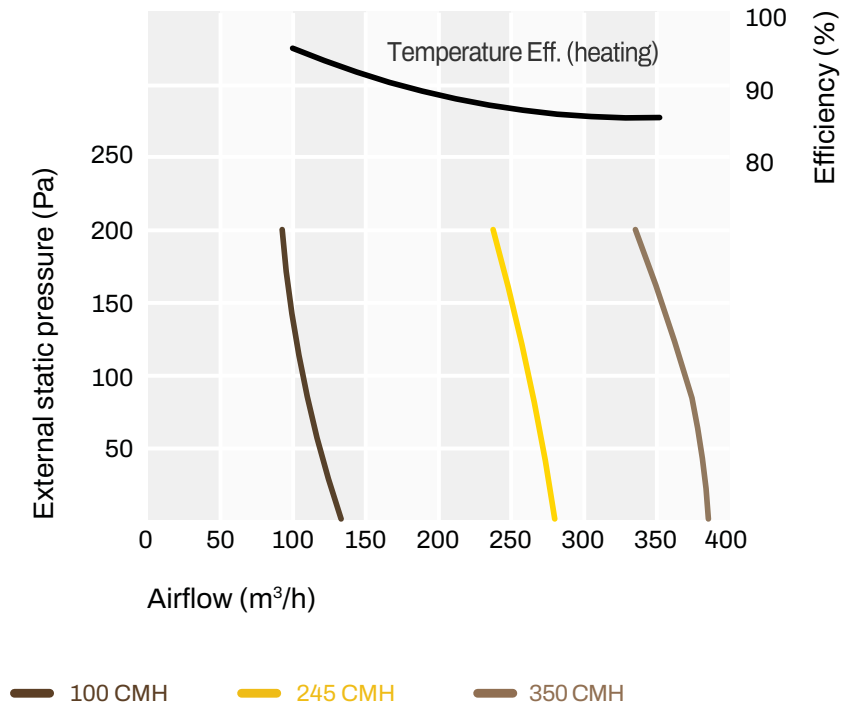
AERULIC AND THERMAL PERFORMANCE (*)		
Volumetric flow rate @100 Pa (m <sup>3</sup> /h)	358	525
Heat Efficiency (%)	77	78
<b>Enthalpy efficiency (%)</b>	<b>72</b>	<b>73</b>
Energy rating (SEC temperate climate)	A	
Sound Power LWA (dB(A))	45	47
Type of heat recovery unit	Counterflow enthalpy heat exchanger HRC1x	
Bypass	Electronically operated mechanical system	
Air filters as standard	G4	
Additional air filters (upon request)	F7	

CONSTRUCTION AND INSTALLATION FEATURES		
Type of motors	Brushless EC with constant flow	
Body material	Self-supporting frame made of painted galvanized sheet metal with internal insulation in expanded polypropylene (EPP)	
Dimensions l x h x p (mm)	595x905x487	655x1005x631,5
Weight (kg)	40	50
Aeraulic fittings (Ø mm)	160	200
Condensate drain (Ø mm)	NP	
Reversible mounting	yes	

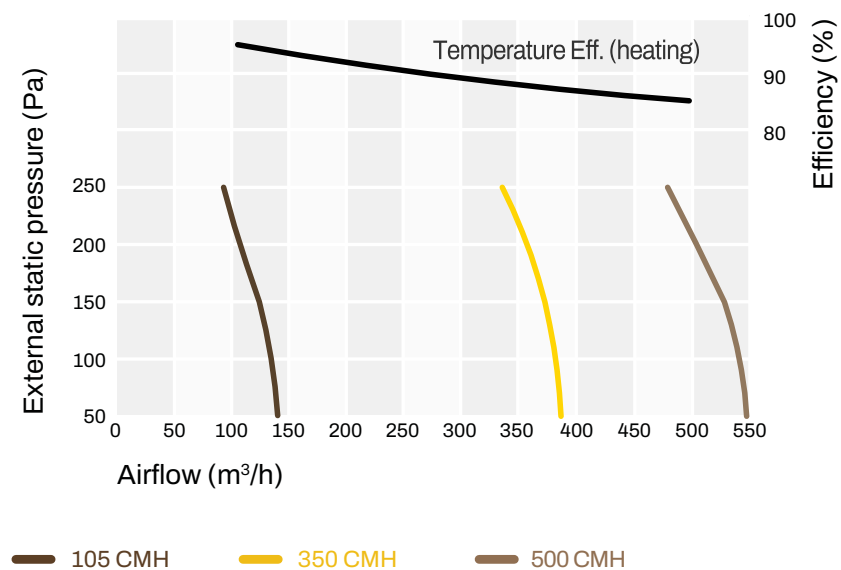
CONTROLS		
Remote control	Digital 5-button touch screen control, interfacing with standard WIFI module	
Weekly programming	Standard / Factory-Fitted	
BMS control	MODBUS - RS485	

\* Data in accordance with EN 13141-7:2021

**TS-VERTICAL FLOW  
MOD. 350**



**TS-VERTICAL FLOW  
MOD. 500**



**DUCTABLE ENTHALPY WALL-MOUNTED HEAT RECOVERY UNIT**

**TECHNICAL SPECIFICATIONS**

- For residential applications
- High-efficiency enthalpic heat exchanger, removable
- Mechanical bypass with electronic actuation
- Constant-flow EC brushless motors
- Self-supporting frame in painted galvanized sheet metal with internal expanded polypropylene (EPP) insulation
- Digital 5-button touch screen remote control, interfacing with standard WIFI module
- BMS compatible VIA RS485 modbus protocol
- Extractable filters
- Mounting brackets included
- Optional F7 filter and CO<sub>2</sub> sensor

**UNITÉ DE RÉCUPÉRATION DE CHALEUR ENTHALPIQUE À CONDUITS POUR MONTAGE MURAL**

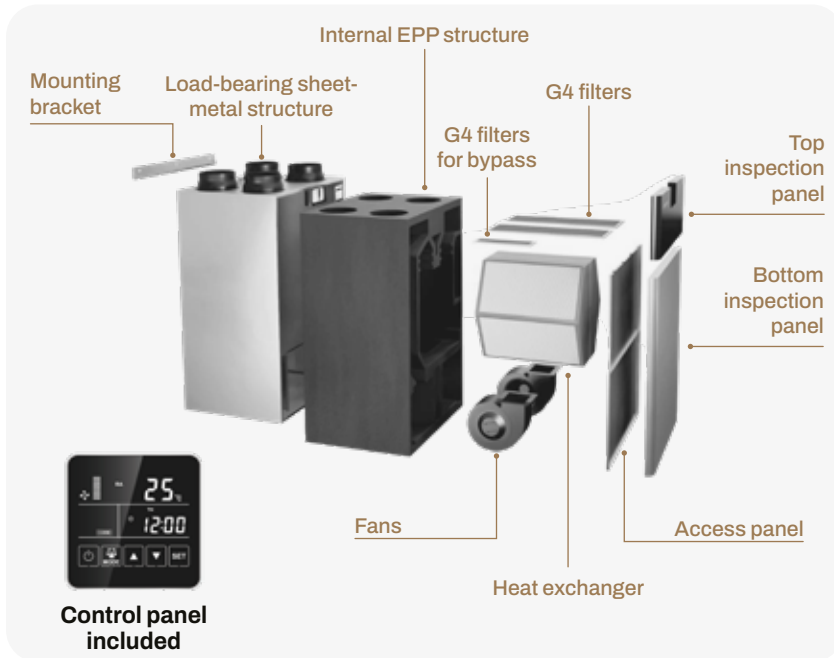
**CARACTÉRISTIQUES TECHNIQUES**

- Pour applications résidentiels
- Échangeur de chaleur enthalpique à haute efficacité, amovible
- Bypass mécanique à commande électronique
- Moteurs EC brushless à débit constant
- Châssis autoportant en tôle galvanisée peinte avec isolation interne en polypropylène expansé (EPP)
- Télécommande numérique à écran tactile 5 boutons, compatible avec module WIFI de série
- Compatible BMS VIA RS485 protocole modbus
- Filtres amovibles
- Étriers d'ancrage fournis
- Option : filtre F7 et capteur de CO<sub>2</sub>

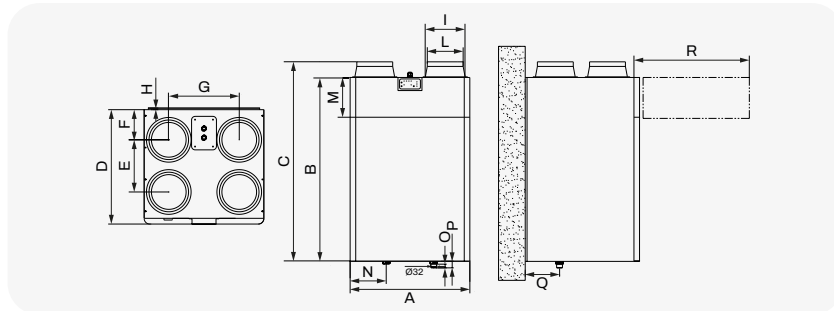
**KANALFÄHIGE ENTHALPISCHE WAND-WÄRMERÜCKGEWINNUNGSEINHEIT**

**TECHNISCHE EIGENSCHAFTEN**

- Für Wohnanwendungen
- Hochleistungs-Enthalpiewärmetauscher, herausnehmbar
- Mechanischer Bypass mit elektronischer Betätigung
- EC-Brushless-Motoren mit konstantem Volumenstrom
- Selbsttragender Rahmen aus lackiertem, verzinktem Blech mit innenliegender Isolierung aus expandiertem Polypropylen (EPP)
- Digitalfernbedienung mit 5-Tasten-Touchscreen, kompatibel mit serienmäßigem WIFI-Modul
- Kompatibel BMS VIA RS485 Modbus-Protokoll
- Abnehmbare Filter
- Mitgelieferte Ankerbügel
- Optional F7-Filter und CO<sub>2</sub>-Sensor



**Integrable with BMS SYSTEMS**  
(building automation)



CODE	DIMENSIONS [mm]															
	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R
ACC100008	595	905	975	480	220	125.5	350	7	Ø 160	Ø 144	217	197	20	36.5	195	500
ACC100007	655	1005	1085	625.5	285	165.5	385	7	Ø 216	Ø 196	217	197	20	36.5	195	600

CODE	DESCRIPTION	U.M.	Pieces per box	Datasheet
ACC100008	ENTHALPY HEAT RECOVERY UNIT TS-VERTICAL FLOW E350	PCS	1	
ACC100007	ENTHALPY HEAT RECOVERY UNIT TS-VERTICAL FLOW E500	PCS	1	

**NEW****TS-Vertical**  
flow-E

ELECTRICAL OPERATING DATA	TS-VERTICAL FLOW-E 350	TS-VERTICAL FLOW-E 500
Power supply	230 V – 50 Hz	
Maximum power(W)	290	450
Maximum current (A)	1.9	2.9
Insulation class	Class 1	
IP rating	IP22	
Operating temperature in the installation compartment (°C)	-10°C ÷ +40°C	
Relative operating humidity (%RH at 25° C)	< 85 %	

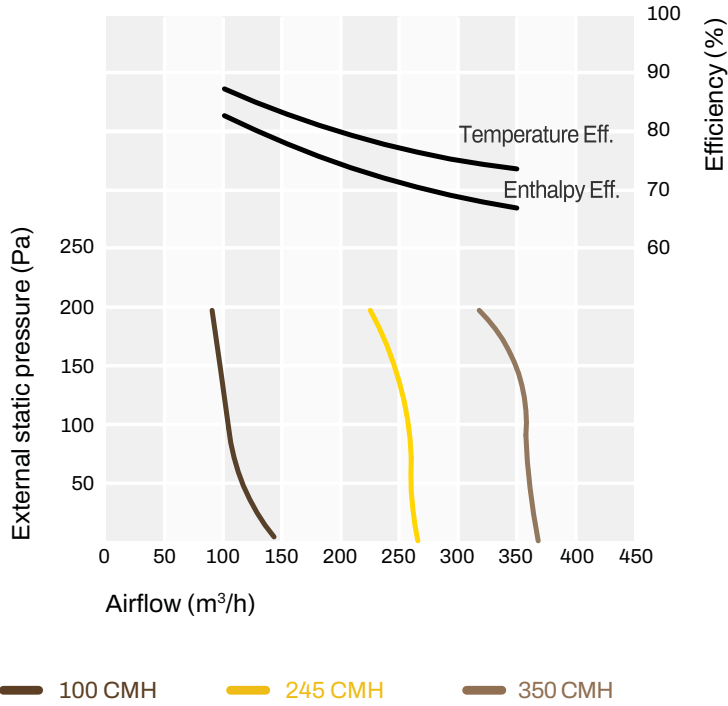
AERULIC AND THERMAL PERFORMANCE (*)		
Volumetric flow rate @100 Pa (m³/h)	358	525
Heat Efficiency (%)	77	78
Enthalpy efficiency (%)	72	73
Energy rating (SEC temperate climate)	A	
Sound Power LWA (dB(A))	45	47
Type of heat recovery unit	Counterflow enthalpy heat exchanger HRC1x	
Bypass	G4Electronically operated mechanical system	
Air filters as standard	G4	

CONSTRUCTION AND INSTALLATION FEATURES		
Type of motors	Brushless EC with constant flow	
Body material	Self-supporting frame made of painted galvanized sheet metal with internal insulation in expanded polypropylene (EPP)	
Dimensions LxHxP (mm)	595x905x487	655x1005x631,5
Aeraulic fittings (Ø mm)	160	200
Condensate drain (Ø mm)	NP	
Reversible mounting	yes	

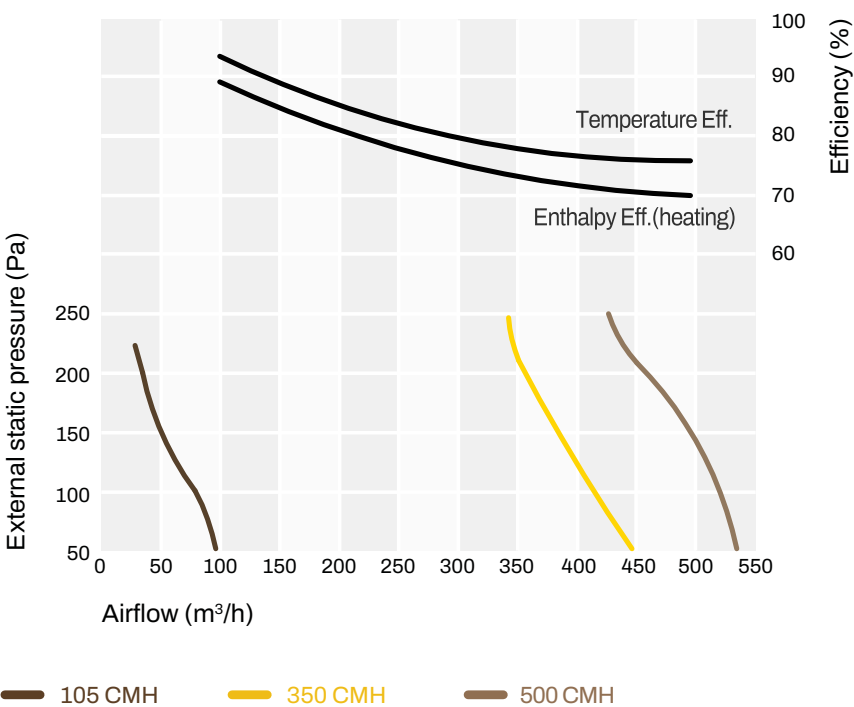
CONTROLS		
Remote control	Digital 5-button touch screen control, interfacing with standard WIFI module	
Weekly programming	Standard / Factory-Fitted	
BMS control	MODBUS - RS485	

\* Data in accordance with EN 13141-7:2021

**TS-VERTICAL FLOW**  
**MOD. 350**



**TS-VERTICAL FLOW**  
**MOD. 500**



# TOTAL CLASS 300/800

MADE IN ITALY

# TotalClass

## SENSIBLE HEAT RECOVERY UNIT WITH VERTICAL STRUCTURE

### TECHNICAL SPECIFICATIONS

- Non-ducted ventilation unit
- Evo 300 maximum flow capacity 400 m3/h
- Evo 800 maximum flow capacity 1000 m3/h
- Polypropylene counter-flow heat recovery unit with >90% efficiency
- EC centrifugal fans, backward curved blades, low consumption
- Low pressure drop filters F7 (ePM1 70%) for renewal and exhaust air
- Self-supporting structure in pre-painted metal sheet
- Rock wool thermal/acoustic insulation th. 50 mm
- Integrated bypass for free-cooling / free-heating (motorised drive with automatic control)
- Available with Evo and Evo Plus control

## RÉCUPÉRATEUR DE CHALEUR SENSIBLE À STRUCTURE VERTICALE

### CARACTÉRISTIQUES TECHNIQUES

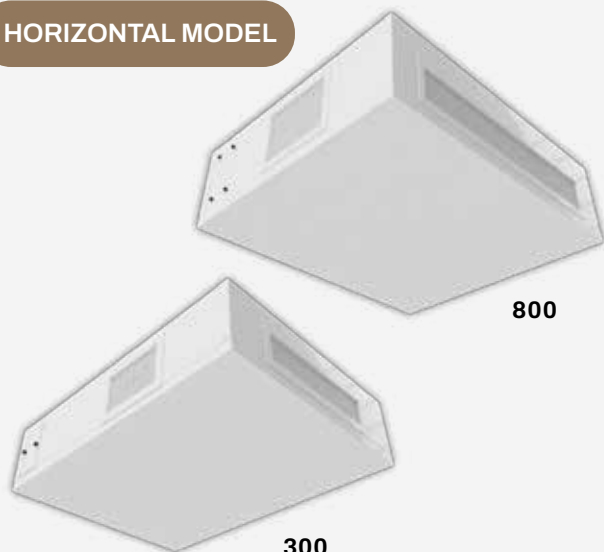
- Unités de ventilation sans gainable
- Evo 300 débit maximal 400 m3/h
- Evo 800 débit maximal 1000 m3/h
- Unité de récupération de chaleur contre-flux, en polypropylène avec efficacité >90%
- Ventilateurs EC, centrifuges pales arrières à faible consommation
- Filtre faible perte de charge: F7 (ePM1 70%) pour air de renouvellement et extraction
- Structure autoportante en tôle pré-peinte
- Isolation thermique/acoustique en laine de roche ép, 50 mm
- By pass intégré pour free-cooling/free-heating (actinement motorisé avec commande automatique)
- Disponible avec les contrôles Evo et Evo Plus

## SENSIBLER WÄRMERÜCKGEWINNER MIT VERTIKALER BAUWEISE

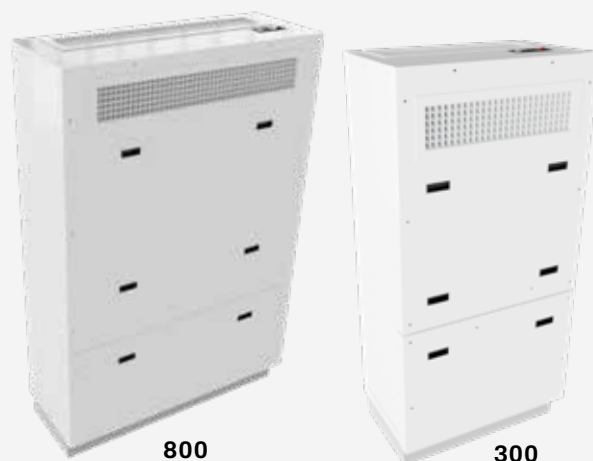
### TECHNISCHE EIGENSCHAFTEN

- Nicht kanalisierte Lüftungseinheit
- Evo 300 maximale Förderleistung 400 m3/h
- Evo 800 maximale Förderleistung 1000 m3/h
- Gegenstrom-wärmerückgewinnungseinheit, aus polypropylen, mit Wirkungsgrad >90%
- Ec-Ventilatoren, zentrifugal, rückwärts gekrümmt, niedriger verbrauch
- Filter mit geringem Druckverlust: f7 (epm1 70%) für frisch- und abluft
- Selbsttragende Struktur aus vorlackiertem Metallblech
- Wärme- und schalldämmung aus Steinwolle, st. 50 mm dick
- Integrierter bypass für freie kühlung / freie Heizung (motorischer antrieb mit automatischer steuerung)
- Erhältlich mit den steuerungen Evo und Evo Plus

### HORIZONTAL MODEL



### VERTICAL MODEL



Available on request

CODE	DESCRIPTION	DIMENSION [mm]					WEIGHT [kg]	U.M.	Pieces per box
		A	B	C	D [Ø]	E			
ACC200001	"TOTAL CLASS EVO 300" - VENTILATION UNIT - NOT DUCTED - <b>HORIZONTAL</b>	1355	330	1030	2x200	615	95	PCS	1
ACC200002	"TOTAL CLASS EVO PLUS 300" - VENTILATION UNIT - NOT DUCTED - <b>HORIZONTAL</b>								
ACC200003	"TOTAL CLASS EVO 800" - VENTILATION UNIT - NOT DUCTED - <b>HORIZONTAL</b>	1355	470	1560	2x315	900	148	PCS	1
ACC200004	"TOTAL CLASS EVO PLUS 800" - VENTILATION UNIT - NOT DUCTED - <b>HORIZONTAL</b>								

Datasheet



CODE	DESCRIPTION	DIMENSION [mm]				WEIGHT [kg]	U.M.	Pieces per box
		A	B	C	D [Ø]			
ACC200005	"TOTAL CLASS EVO 300" - VENTILATION UNIT - NOT DUCTED - <b>VERTICAL</b>	785	475	1625	2x200	115	PCS	1
ACC200006	"TOTAL CLASS EVO PLUS 300" - VENTILATION UNIT - NOT DUCTED - <b>VERTICAL</b>							
ACC200007	"TOTAL CLASS EVO 800" - VENTILATION UNIT - NOT DUCTED - <b>VERTICAL</b>	1265	475	1925	2x250	162	PCS	1
ACC200008	"TOTAL CLASS EVO PLUS 800" - VENTILATION UNIT - NOT DUCTED - <b>VERTICAL</b>							

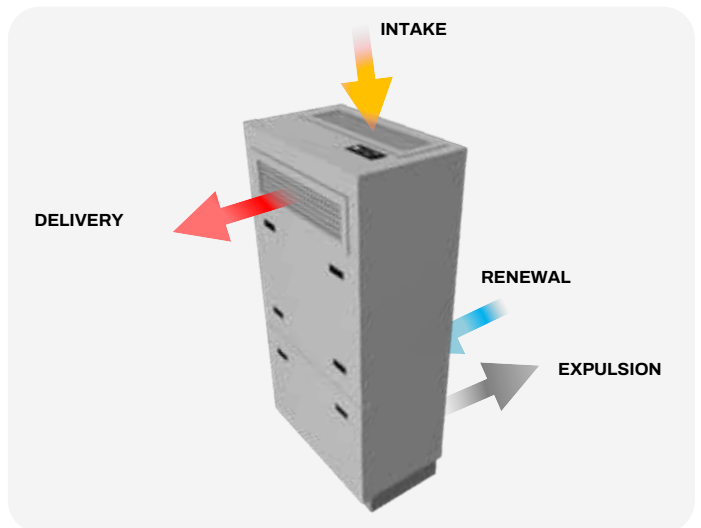
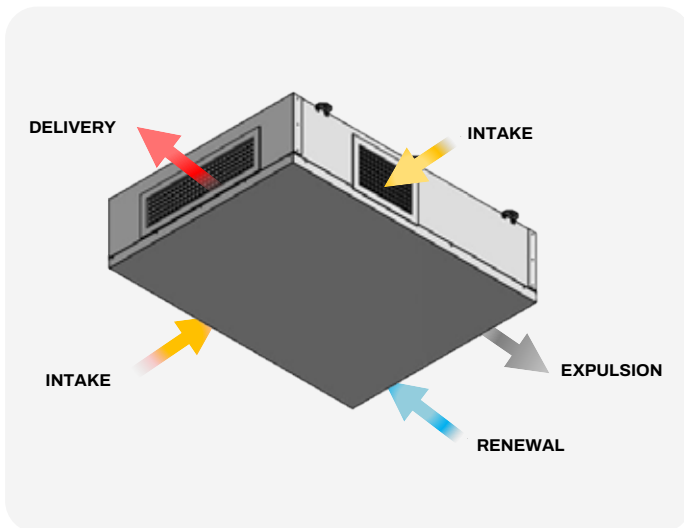
Datasheet



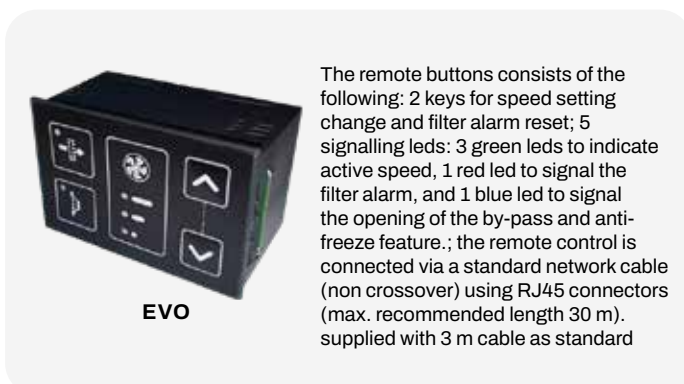
TECHNICAL DATA	EVO 300 / EVO 300 PLUS	EVO 800 / EVO 800 PLUS
Power supply [V]	230	230
Frequency [Hz]	50-60	50-60
Absorption[A]	2.7	2.8
Power [W]	350	380
Dimensions horizontal model (W x D x H)*	1020x1350x335 mm	1555x1355x470 mm
Dimensions vertical model (W x D x H)*	785x475x1625 mm	1265x475x1925 mm
Ø pipes [mm]	2x200	2x315
WEIGHT [kg]	95	148
Flow capacity [m <sup>3</sup> /s]	0.1	0.277
Effective electrical power consumption (kW)	0.327	0.377
SFPint specific internal ventilation power (W/(m <sup>3</sup> /s))	1378	1189
Front speed at nominal capacity (m/s)	1.56	1.42
Nominal external pressure (Pa)	358	50
Internal pressure drop of ventilation components (Pa)	259	269
Fan static efficiency (%)	39,1	49,3
Sound pressure level [dB(A)]	36	34

\* excluding sleeves and condensate drains

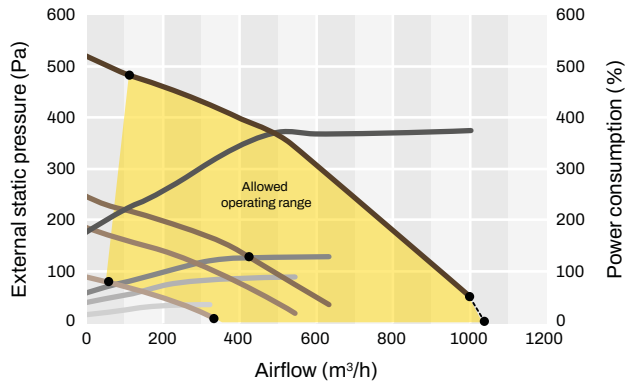
## Flows



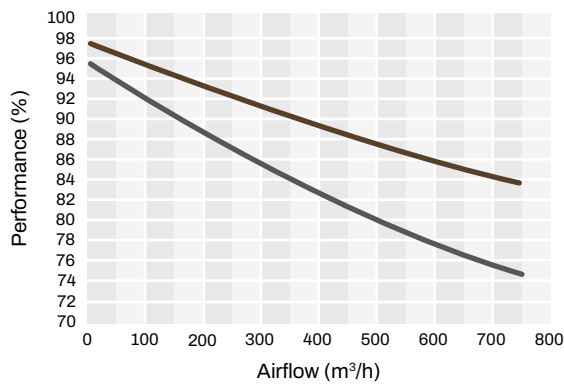
## Control unit type



# TOTAL CLASS MOD. 800

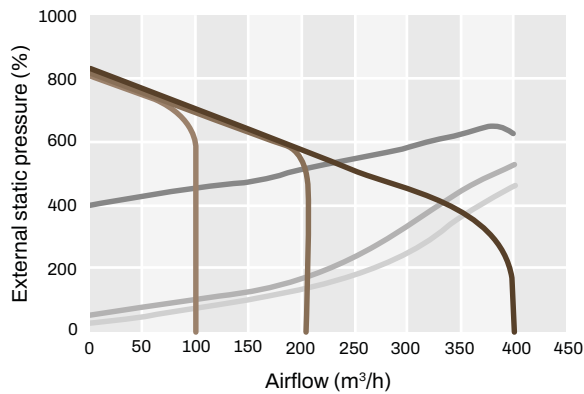


- FLOW RATE**
- At 40% speed
  - At 60% speed
  - At 70% speed
  - At 100% speed
- POWER CONSUMPTION**
- At 40% speed
  - At 60% speed
  - At 70% speed
  - At 100% speed

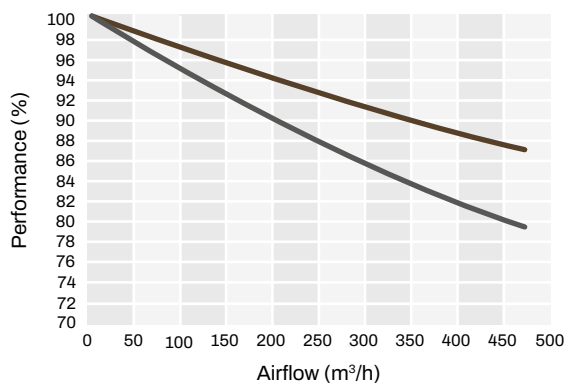


- HEAT RECOVERY UNIT PERFORMANCE**
- According to uni308: outdoor -5°C 80% rh - indoor 20°C 50% rh
  - According to uni1253/14: outdoor -0°C - indoor 20°C (dry)


# TOTAL CLASS MOD. 300



- CONTROL SIGNAL**
- 1.5V - flow rate 100 m<sup>3</sup>/h
  - 5V - flow rate 205 m<sup>3</sup>/h
  - 10V - flow rate 400 m<sup>3</sup>/h
- POWER CONSUMPTION**
- At max. available pressure
  - 50 Pa available pressure
  - 100 Pa available pressure



- HEAT RECOVERY UNIT PERFORMANCE**
- According to uni308: outdoor -5°C 80% rh - indoor 20°C 50% rh
  - According to uni1253/14: outdoor -0°C - indoor 20°C (dry)

 **DUCTABLE SENSIBLE HEAT RECOVERY UNIT FOR CEILING INSTALLATION WITH AUTOMATIC MECHANICAL BYPASS**


### TECHNICAL SPECIFICATIONS

- Crossflow heat exchanger in plastic material
- Removable grade G4 filters
- Coupling for condensate drain
- Internal insulation
- Heating batter (on request)
- Mounting brackets
- Includes wall-mounted control panel with dirty filter alert
- Equipped with automatic mechanical bypass activation

 **RÉCUPÉRATEUR DE CHALEUR SENSIBLE CANALISABLE POUR INSTALLATION AU PLAFOND AVEC BY-PASS MÉCANIQUE AUTOMATIQUE**

### CARACTÉRISTIQUES TECHNIQUES

- Échangeur de chaleur à flux croisés en matériau plastique
- Filtres amovibles grade G4
- Raccord pour vidange de condensat
- Isolation interne
- Batterie de chauffage (sur demande)
- Supports d'ancrage
- Livré avec panneau de commande mural avec signalisation de filtre sale
- Équipé d'une dérivation à actionnement mécanique automatique
- Échangeur de chaleur sensible

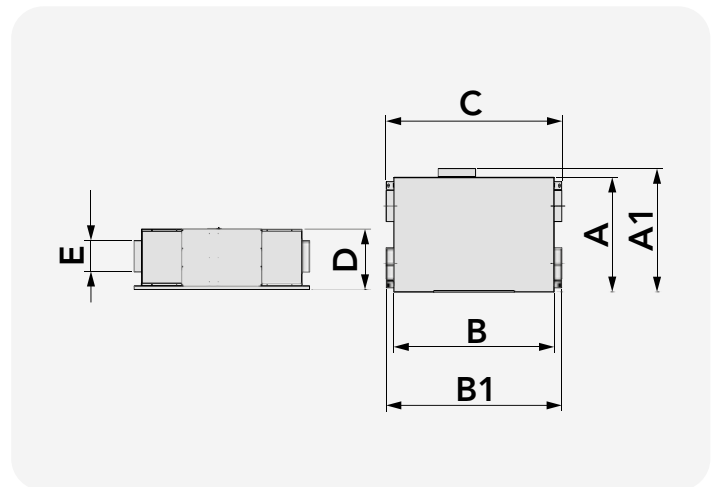
 **KANALANSCHLIESSBARER SENSIBLER WÄRMERÜCKGEWINNER ZUR DECKENMONTAGE MIT AUTOMATISCHEM MECHANISCHEM BYPASS**

### TECHNISCHE EIGENSCHAFTEN


- Kreuzstrom-Wärmetauscher aus Kunststoff
- Herausnehmbare Filter, Grad G4
- Anschluss für Kondensatablauf
- Innendämmung
- Heizbatterie (auf Anfrage)
- Verankerungswandkonsole
- Komplett mit Wandbedienfeld mit Meldung verschmutzter Filter
- Mit einem automatischen betätigtem mechanischen Bypass
- Sensibler Wärmetauscher



Wall-mounted control panel



MODEL	AIR FLOW RATE [m³/h]	HEAD [Pa]	EXCHANGE EFFICIENCY [%]	SOUND POWER LEVEL [dB(A)]	VOLTAGE [V]	FREQUENCY [Hz]	POWER CONSUMPTION [W]	WEIGHT [kg]
AIR PUR 500E EVO PLUS	500	400	75	42	230	50	280	70
AIR PUR 800E EVO PLUS	800	400	75	58	230	50	420	84
AIR PUR 1300E EVO PLUS	1300	330	74	65	230	50	1100	135
AIR PUR 1700E EVO PLUS	1700	315	72	65	230	50	1100	203
AIR PUR 2500E EVO PLUS	2500	690	70	62	230	50	2080	211
AIR PUR 4000E EVO PLUS	4000	540	70	79	400	3~50	3000	290

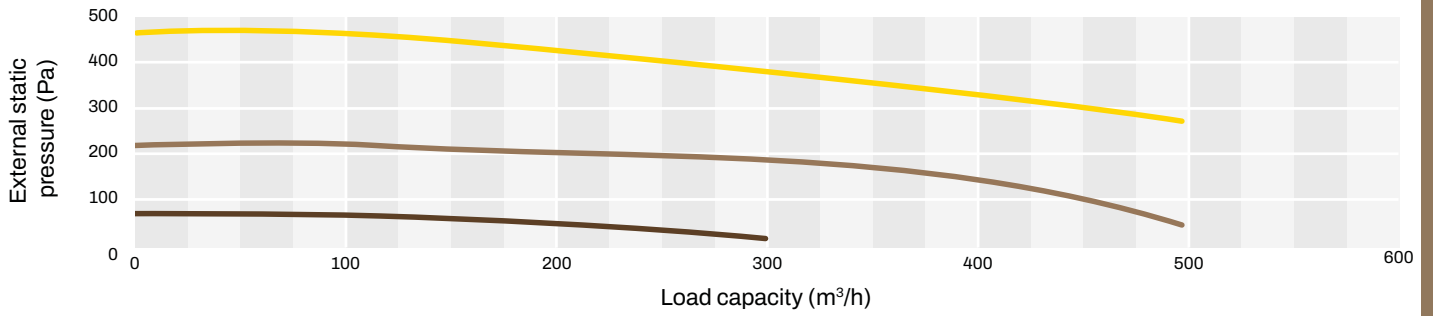
CODE	MODEL	DIMENSIONS [mm]							U.M.	 Pieces per box
		A	A1	B	B1	C	D	E		
12500080	AIR PUR 500E EVO PLUS	750	820	1100	1297	1156	320	200	PCS	1
12500140	AIR PUR 800E EVO PLUS	750	820	1100	1223	1156	377	250	PCS	1
12500200	AIR PUR 1300E EVO PLUS	930	1000	1300	1423	1421	490	250	PCS	1
12500230	AIR PUR 1700E EVO PLUS	1100	1170	1500	1623	1621	490	300	PCS	1
12500290	AIR PUR 2500E EVO PLUS	1300	1370	1600	1723	1721	540	350	PCS	1
12500350	AIR PUR 4000E EVO PLUS	1400	1470	1670	1793	1791	688	450	PCS	1

Datasheet

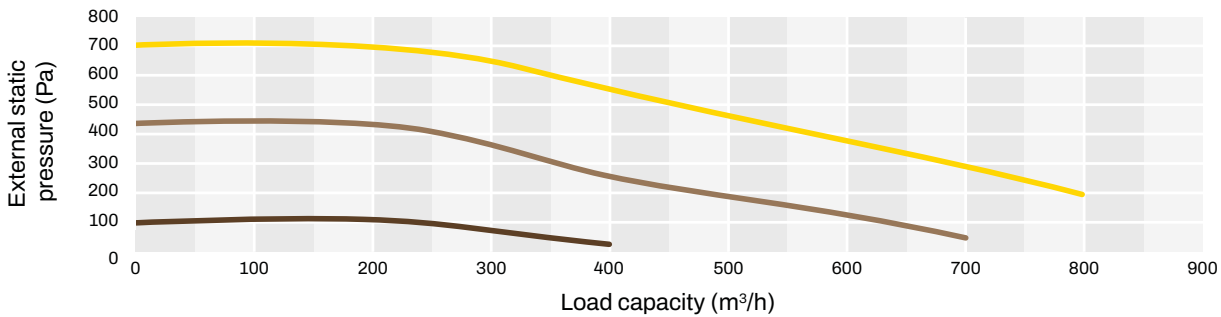


— V1 — V2 — V3

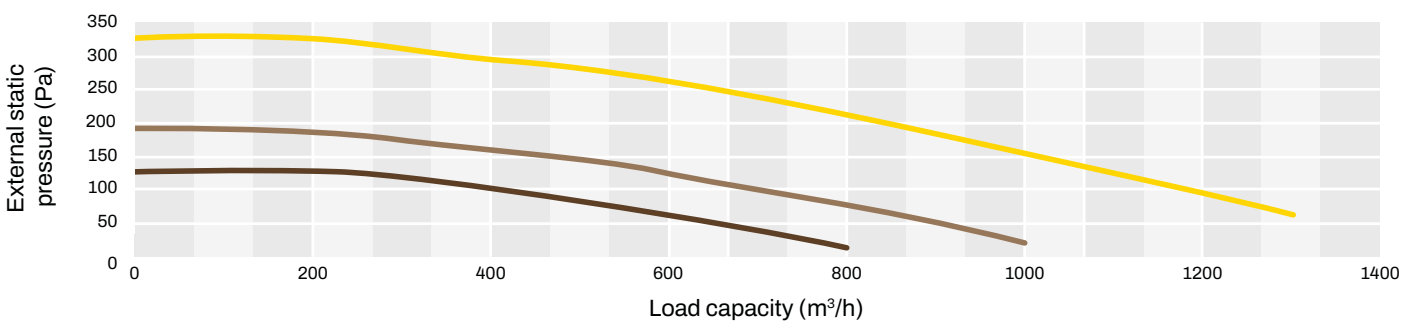
### AIR PUR EVO PLUS 500 m<sup>3</sup>/h



### AIR PUR EVO PLUS 800 m<sup>3</sup>/h

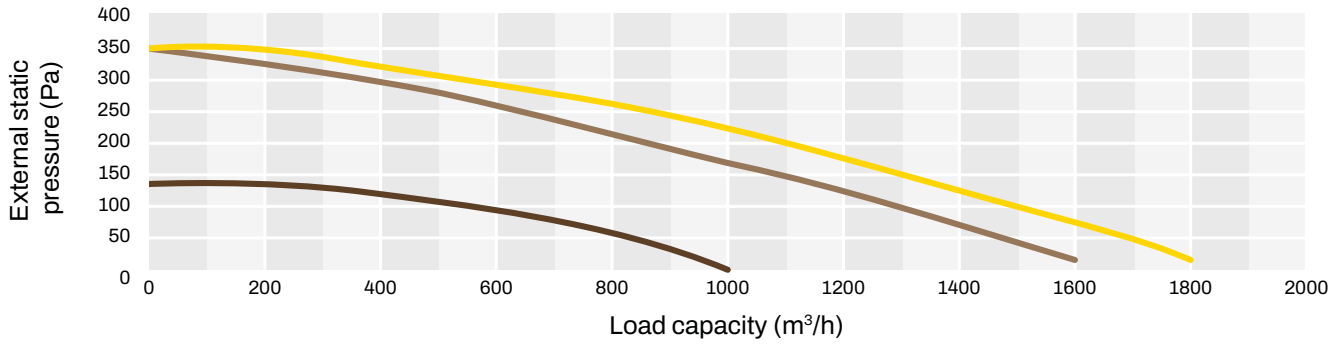


### AIR PUR EVO PLUS 1300 m<sup>3</sup>/h

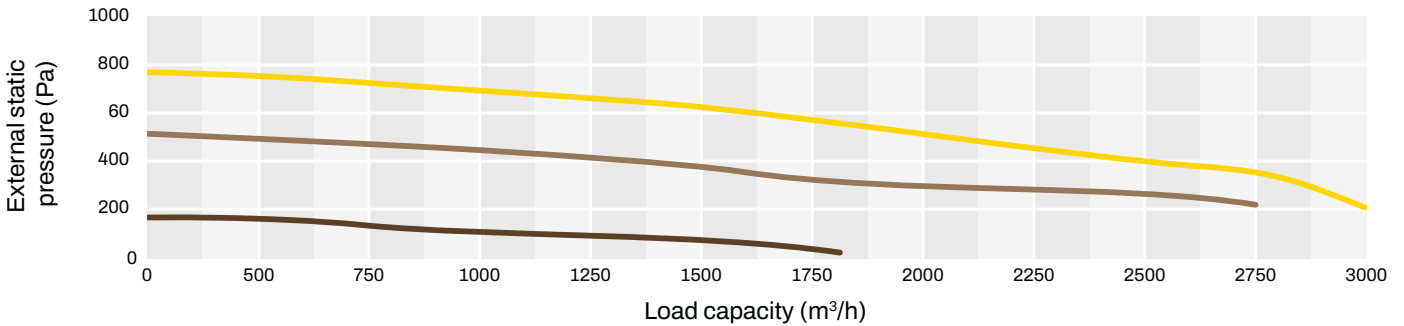


— V1 — V2 — V3

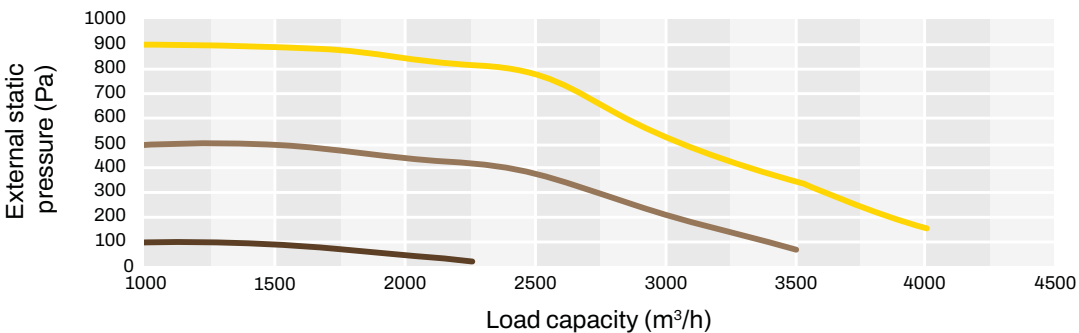
## AIR PUR EVO PLUS 1700 m<sup>3</sup>/h



## AIR PUR EVO PLUS 2500 m<sup>3</sup>/h




## AIR PUR EVO PLUS 4000 m<sup>3</sup>/h



 **HORIZONTAL SENSIBLE HEAT RECOVERY UNIT WITH MECHANICAL BYPASS**

**TECHNICAL SPECIFICATIONS**

- Plastic heat exchanger pack
- Removable grade G4 filters
- Coupling for condensate drain
- Internal insulation
- Heating batter (on request)
- Mounting brackets
- Equipped with manual mechanical bypass activation
- Contact point for dirty-filter notification

 **RÉCUPÉRATEUR DE CHALEUR SENSIBLE HORIZONTAL AVEC BY-PASS MÉCANIQUE**

**CARACTÉRISTIQUES TECHNIQUES**

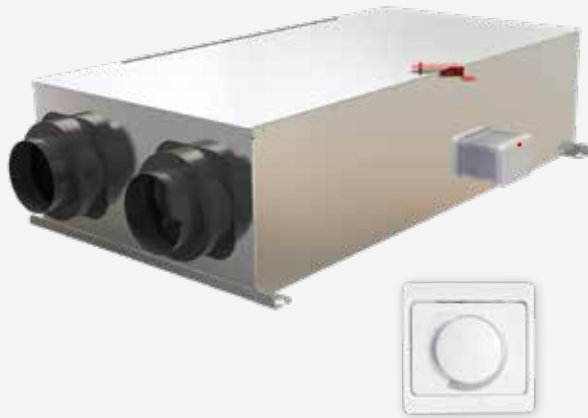
- Pack d'échange en plastique
- Filtres amovibles grade G4
- Raccord pour vidange de condensat
- Isolation interne
- Batterie de chauffage (sur demande)
- Supports d'ancrage
- Équipé de by-pass à actionnement mécanique manuel

 **HORIZONTALER SENSIBLER WÄRMERÜCKGEWINNER MIT MECHANISCHEM BYPASS**

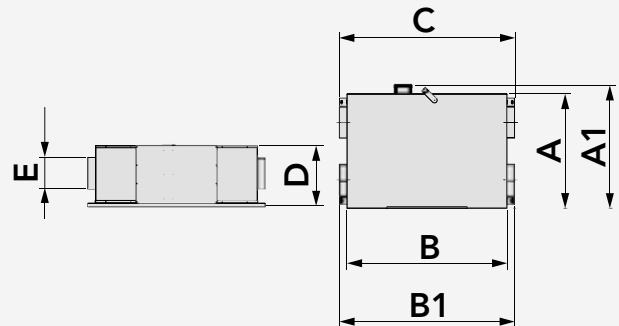
**TECHNISCHE EIGENSCHAFTEN**

- Austauschpaket aus Kunststoff
- Herausnehmbare Filter, Grad G4
- Anschluss für Kondensatablauf
- Innendämmung
- Heizbatterie (auf Anfrage)
- Verankerungswandkonsole
- Mit manuellem mechanischem Bypass


Filters F6-F7-F8 on request



Flow regulator supplied



MODEL	AIR FLOW RATE [m³/h]	HEAD [Pa]	EXCHANGE EFFICIENCY [%]	SOUND POWER LEVEL [dB(A)]	VOLTAGE [V]	FREQUENCY [Hz]	POWER CONSUMPTION [W]	WEIGHT [kg]
AIR PUR 500E EVO	500	330	75	42	230	50	356	68
AIR PUR 1000E EVO	1000	330	74	62	230	50	600	129
AIR PUR 1700E EVO	1700	290	72	65	230	50	800	193
AIR PUR 2500E EVO	2500	360	70	62	230	50	1100	224
AIR PUR 4000E EVO	4000	700	70	79	400	3~50	3000	290

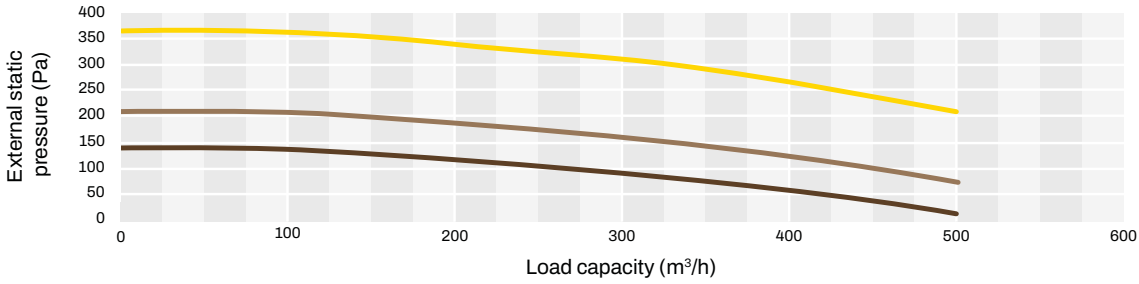
CODE	MODEL	DIMENSIONS [mm]							U.M.	 Pieces per box
		A	A1	B	B1	C	D	E		
12500070	AIR PUR 500E EVO	750	820	1100	1297	1156	320	200	PCS	1
12500160	AIR PUR 1000E EVO	930	1000	1300	1423	1421	490	250	PCS	1
12500220	AIR PUR 1700E EVO	1100	1170	1500	1623	1621	490	300	PCS	1
12500280	AIR PUR 2500E EVO	1300	1370	1600	1723	1721	540	350	PCS	1
12500340	AIR PUR 4000E EVO	1400	1470	1670	1793	1791	688	450	PCS	1

Datasheet

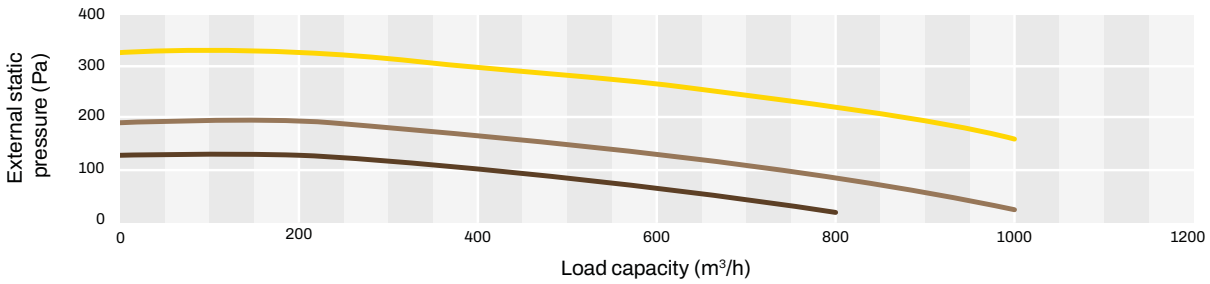


— V1 — V2 — V3

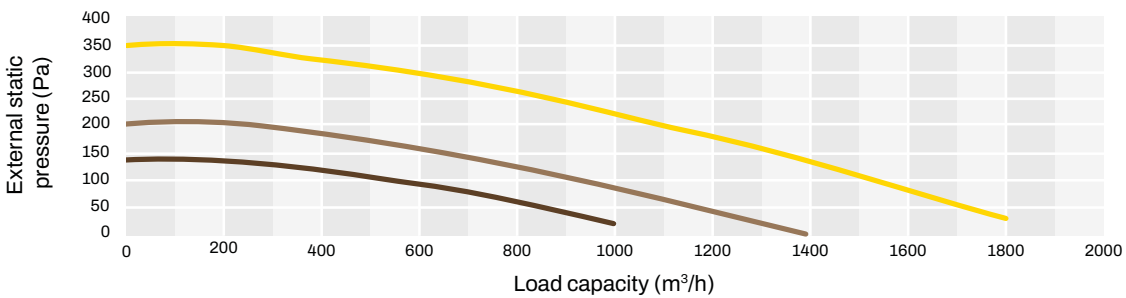
### AIR PUR EVO 500 m<sup>3</sup>/h



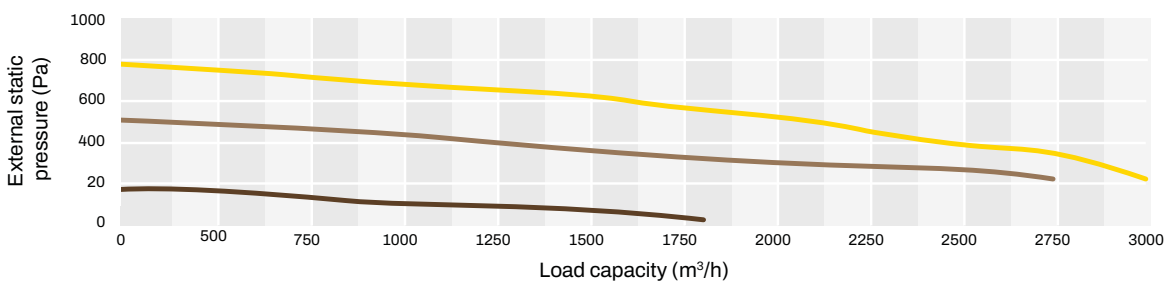
### AIR PUR EVO 1000 m<sup>3</sup>/h



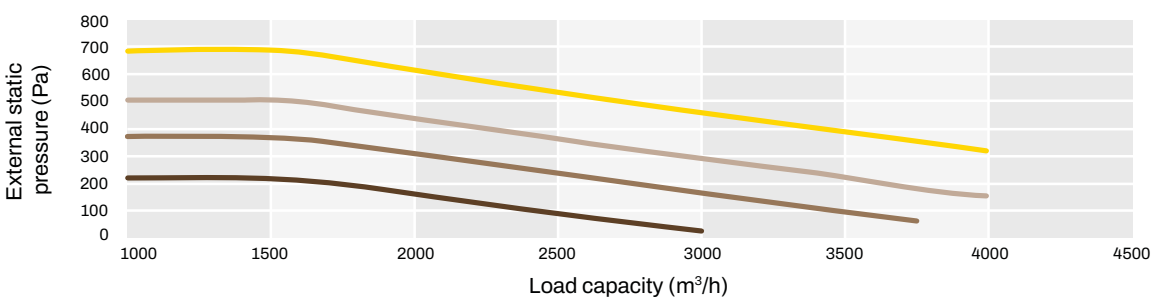
### AIR PUR EVO 1700 m<sup>3</sup>/h



### AIR PUR EVO 2500 m<sup>3</sup>/h



### AIR PUR EVO 4000 m<sup>3</sup>/h



 **ENTHALPIC HEAT RECOVERY UNIT CEILING-MOUNTED DUCTED**


**TECHNICAL SPECIFICATIONS**

- For residential and non-residential applications
- Removable enthalpy heat exchanger pack
- Automatic by-pass
- Brushless EC motors
- Internal structure in EPS that prevents condensation and improves thermal insulation
- Backlit LCD digital remote control
- BMS compatible VIA RS485 modbus protocol
- ON/OFF remote control
- Silent function "sleep"
- Defrost Function

 **RÉCUPÉRATEUR DE CHALEUR ENTHALPIQUE À GOULOTTE AU PLAFOND**

**CARACTÉRISTIQUES TECHNIQUES**


- Pour applications résidentiels et non résidentiels
- Pack d'échange enthalpique amovible
- By-pass automatique
- Moteurs Brushless EC
- Structure interne en EPS qui prévient la formation de condensation et améliore l'isolation thermique
- Télécommande numérique LCD rétroéclairée
- Compatible BMS VIA RS485 protocole modbus
- Commande à distance ON/OFF
- Fonction silencieuse "sleep"
- Fonction defrost

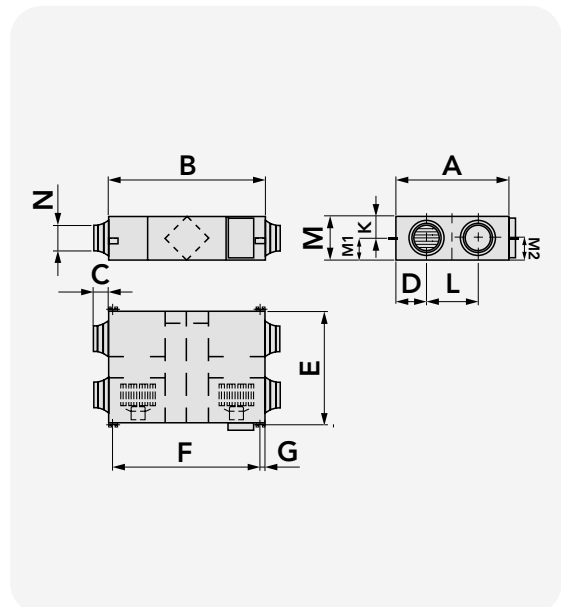
 **ENTHALPIE-WÄRMERÜCKGEWINNUNGSGERÄT KANN AN DIE DECKE GELEITET WERDEN**

**TECHNISCHE EIGENSCHAFTEN**


- Für Anwendungen im Wohn-und Gewerbebereich
- Abnehmbares Enthalpisches Austauschpaket
- Automatischer By-Pass
- Brushless EC Motoren
- Interne Struktur aus EPS, die der Kondensatbildung vorbeugt un die Wärmeisolierung verbessert
- Digitale LCD-Fernbedienung mit Hintergrundbeleuchtung
- Kompatibel BMS VIA RS485 Modbus-Protokoll
- Fernbedienung ON/OFF
- Leise "sleep" Funktion
- Defrost Funktion



 **Integrable with BMS SYSTEMS (building automation)**



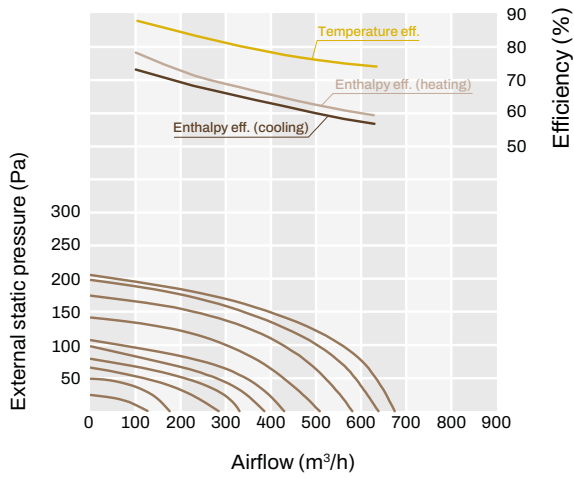
CODE	DIMENSIONS [mm]												
	A	B	C	D	E	F	G	L	K	M	M1	M2	N
ACD300003	902	867	107	197	833.5	922	20.5	451.5	115.5	280	193.5	-	Ø 194
ACD300004	1134	1134	85	202	1068	1189	20.5	628	128	388	194	-	Ø 242
ACD300005	1243	1193	85	241	1173	1248	20.5	629.5	133	388	191	241	Ø 242
ACD300006	1243	1193	85	241	1173	1248	20.5	629.5	133	388	191	241	Ø 242

CODE	DESCRIPTION	U.M.	 Pieces per box
ACD300003	ENTHALPIC HEAT RECOVERY UNIT - Model HI-TECH PUR 4.0 500m3/h	PCS	1
ACD300004	ENTHALPIC HEAT RECOVERY UNIT - Model HI-TECH PUR 4.0 800m3/h	PCS	1
ACD300005	ENTHALPIC HEAT RECOVERY UNIT - Model HI-TECH PUR 4.0 1000m3/h	PCS	1
ACD300006	ENTHALPIC HEAT RECOVERY UNIT - Model HI-TECH PUR 4.0 1300m3/h	PCS	1

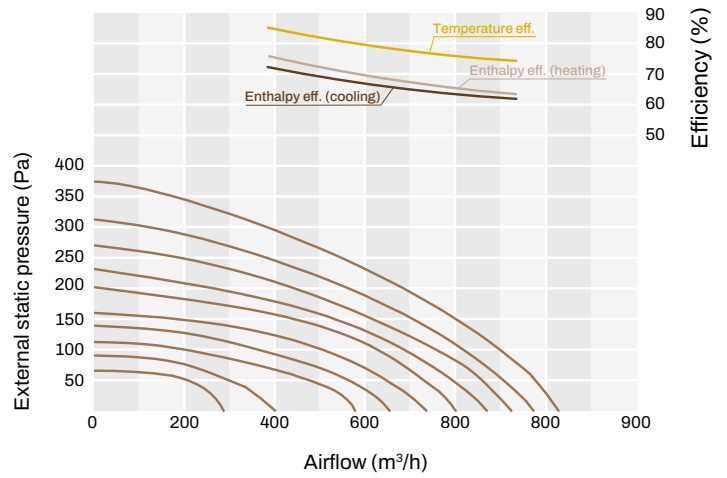
**Datasheet**



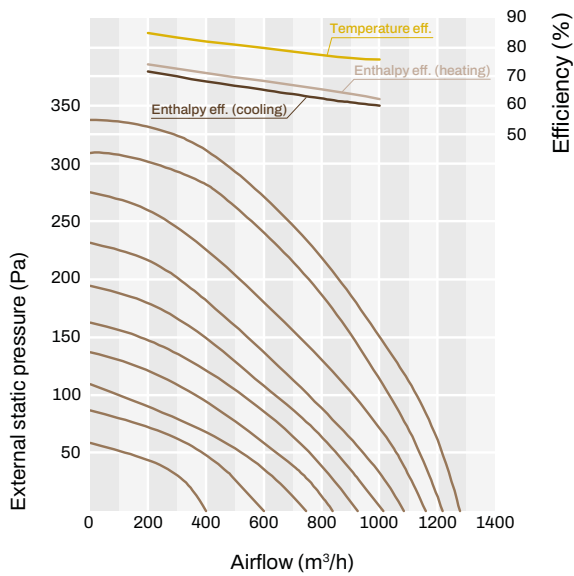
**HI-TECH PUR 4.0  
MOD. 500 m<sup>3</sup>/h**



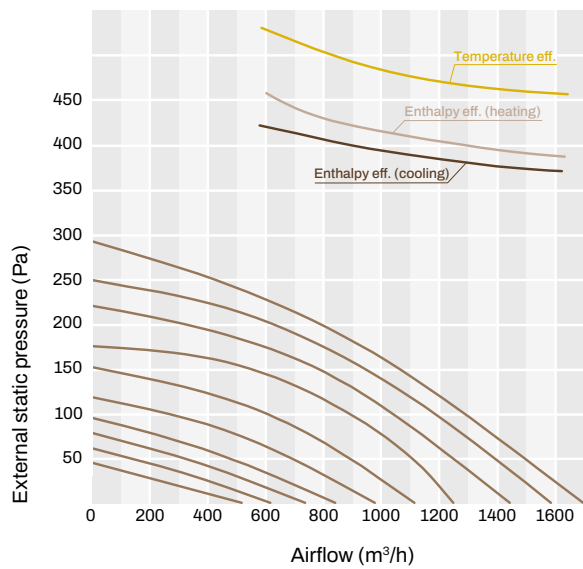
**HI-TECH PUR 4.0  
MOD. 800 m<sup>3</sup>/h**



**HI-TECH PUR 4.0  
MOD. 1000 m<sup>3</sup>/h**



**HI-TECH PUR 4.0  
MOD. 1300 m<sup>3</sup>/h**



**ELECTRICAL AND PERFORMANCE DATA**

MODEL	ACD300003	ACD300004	ACD300005	ACD300006
Flow rate [m³/h]	500	800	1000	1300
Flow rate [l/s]	139	222	278	361
External pressure [Pa]	120	150	150	90
Enthalpy efficiency - COOLING [%]	60-74	63-71	60-70	56-68
Enthalpy efficiency - HEATING [%]	63-78	65-75	62-72	59-70
Temp. efficiency [%]	76	76	76	73
Noise [dB(A)]	39	42	43	43
Power supply	220-240 V - 50 Hz - 1 Ph			
Electrical power [W]	230	368	409	424
Power cable [mm²]	3x1,5			
Control cable [mm²]	2x0,5			
Standard control	yes (weekly clock)			
BMS / MODBUS control	yes			
Fan type	Brushless DC motor			
Fan speed	10-speed control			
Summer bypass	yes (automatic with adjustable flow rate)			
Fan boost	yes (1x connections available to voltage-free contacts: closed = switch to maximum speed)			
Fire stop	yes (1x connections available to voltage-free contacts: closed = power off)			
Weight [kg]	34	61	71	71
Duct diameter [mm]	194	242	242	242



**SENSIBLE HEAT RECOVERY UNIT WITH DUCTABLE DEHUMIDIFICATION UNIT FOR WALL INSTALLATION**

**TECHNICAL SPECIFICATIONS**

- Counter-flow heat recovery unit with >85% efficiency
- Flow rate 150 m<sup>3</sup>/h with 100 Pa of useful pressure in ventilation mode
- Dehumidification and integration with direct expansion refrigerant circuit
- Flow rate 300 m<sup>3</sup>/h with 100 Pa of useful pressure in ventilation + recirculation mode
- Flow rate 300 m<sup>3</sup>/h with 195 Pa of useful pressure in recirculation only mode
- Recovery unit by-pass damper (for free-cooling/free-heating) and integrated recirculation damper
- EC centrifugal fans, backward curved blades, low consumption
- F7 filters (ePM1 70%) with low pressure drop, both for extraction and renewal air
- Self-supporting structure in pre-painted metal sheet; thermal/acoustic insulation in expanded polyethylene thickness 10 mm
- Alphanumeric display on the machine



**RÉCUPÉRATEUR DE CHALEUR SENSIBLE AVEC UNITÉ DE DÉSHUMIDIFICATION CANALISABLE POUR INSTALLATION MURALE**

**CARACTÉRISTIQUES TECHNIQUES**

- Unité de récupération de chaleur contre-flux avec efficacité >85%
- Débit 150 m<sup>3</sup>/h avec 100 Pa de pression utile en mode ventilation
- Déshumidification et intégration avec circuit frigorifique à détente directe
- Débit 300 m<sup>3</sup>/h avec 100 Pa de pression utile en mode ventilation + recirculation
- Débit 300 m<sup>3</sup>/h avec 195 Pa de pression utile en mode recirculation seule
- Clapet de by-pass de récupération (pour free-cooling/free-heating) et clapet de recirculation intégré
- Ventilateurs EC, centrifuges pales arrières à faible consommation
- Filtres F7 (ePM1 70%) à faible perte de charge, aussi bien pour l'air extrait que pour l'air renouvelé
- Structure autoportante en tôle pré-peinte ; isolation thermique/acoustique en polyéthylène expansé épaisseur 10 mm
- Affichage alphanumérique sur la machine



**SENSIBLER WÄRMERÜCKGEWINNER MIT KANALANSCHLIESSBARER ENTFEUCHTUNGSEINHEIT ZUR WANDMONTAGE**

**TECHNISCHE EIGENSCHAFTEN**

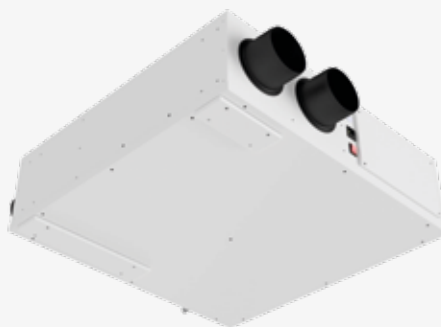
- Gegenstromwärmerückgewinnungseinheit mit Wirkungsgrad >85%
- Durchflussmenge 150 m<sup>3</sup>/h bei 100 Pa Nutzdruck im Belüftungsmodus
- Entfeuchtung und Integration in den Direktverdampfungskreislauf
- Durchflussmenge 300 m<sup>3</sup>/h bei 100 Pa Nutzdruck im Belüftung- + Umlaufmodus
- Durchflussmenge 300 m<sup>3</sup>/h mit 195 Pa Nutzdruck nur im Umlaufmodus
- Rekuperator-Bypass-Klappe (für freie Kühlung/freie Heizung) und Umluftklappe integriert
- Ec-ventilatoren, zentrifugal, rückwärts gekrümmt, niedriger verbrauch
- F7 (ePM1 70%) Filter mit niedrigem Druckverlust für Ab- und Außenluft
- Selbsttragende Struktur aus vorlackiertem Metallblech; thermische/akustische Isolierung aus 10 mm dickem Polyethylenschaum
- Alphanumerisches Display an Maschinenbord



**Control panel supplied**



Humidity and temperature probe ACC600098



**Horizontal version**



**Vertical version**

Available on request

CODE	DESCRIPTION	U.M.	Pieces per box
ACC200018	HEAT RECOVERY UNIT WITH DEHUMIDIFICATION, HEATING INTEGRATION AND VENTILATION WITH REFRIGERANT CIRCUIT AND WATER COIL - 150/300 VERTICAL	PCS	1
ACC200020	HEAT RECOVERY UNIT WITH DEHUMIDIFICATION, HEATING INTEGRATION AND VENTILATION WITH REFRIGERANT CIRCUIT AND WATER COIL - 250/500 VERTICAL	PCS	1
CODE	DESCRIPTION	U.M.	Pieces per box
ACC200017	HEAT RECOVERY UNIT WITH DEHUMIDIFICATION, HEATING INTEGRATION AND VENTILATION WITH REFRIGERANT CIRCUIT AND WATER COIL - 150/300 - HORIZONTAL	PCS	1
ACC200019	HEAT RECOVERY UNIT WITH DEHUMIDIFICATION, HEATING INTEGRATION AND VENTILATION WITH REFRIGERANT CIRCUIT AND WATER COIL - 250/500 - HORIZONTAL	PCS	1
ACC600098	ADDITIONAL HUMIDITY AND AMBIENT TEMPERATURE PROBE	PCS	1

**Datasheet**



**Datasheet**



For dimensions scan the Datasheet QR Code

VENTILATION MODE	MODEL 150/300	MODEL 250/500
Intake air flow rate [m³/h]	150	250
Recirculated air [m³/h]	0	
Available delivery head [Pa]	100	
Expulsion air flow rate [m³/h]	150	250
Available expulsion head [Pa]	100	
Electrical power consumption [kW]	0,079	0,12
Current [A]	0,64	0,94

DEHUMIDIFICATION / INTEGRATION (ventilation + recirculation)	MODEL 150/300	MODEL 250/500
Intake air flow rate [m³/h]	300	500
Recirculated air [m³/h]	150	250
Available delivery head [Pa]	100	
Expulsion air flow rate [m³/h]	150	250
Available expulsion head [Pa]	100	
Refrigerant (R290) [gr]	105	150

DEHUMIDIFICATION	MODEL 150/300	MODEL 250/500
Ambient air	27 °C e 60% U.R.	
Outside air	35 °C e 50% U.R.	
Mixture	28 °C e 60% U.R.	
Water temperature [°C]	15	
Water flow rate [l/h]	260	500
Water side load loss [kPa]	12	28
Refrigerant power (heat recovery unit + precooler + evaporator) [kW]	0,35 + 0,85 + 1,50	0,58 + 1,30 + 1,70
Supply air temperature (Dehumidification) [°C]	24	27
Condensation capacity (Dehumidification) [l/h]	1	1.71
Power consumption (Dehumidification) (ventilation + refrigeration circuit) [kW]	0,11 + 0,29	0,18 + 0,52
Airflow (Dehumidification) (Ventilation + Refrigeration Circuit) [A]	0,92 + 1,55	1,50 + 2,80

COOLING	MODEL 150/300	MODEL 250/500
Ambient air	27 °C e 60% U.R.	
Outside air	35 °C e 50% U.R.	
Mixture	28 °C e 60% U.R.	
Water temperature [°C]	15	
Water flow rate [l/h]	260	500
Water side load loss [kPa]	12	28
Refrigerant power (heat recovery unit + refrigeration circuit) [kW]	0,35 + 0,95	0,58 + 1,80 (sens. P.)
Supply air temperature (Cooling) [°C]	19	17.5
Condensation capacity (Cooling) [l/h]	0,96	1,58
Power consumption (Cooling) (ventilation + refrigeration circuit) [kW]	0,11 + 0,355	0,18 + 0,57
Airflow (Cooling) (Ventilation + Refrigeration Circuit) [A]	0,92 + 1,90	1,50 + 3,05

HEATING	MODEL 150/300	MODEL 250/500
Ambient air	20°C e 50% U.R.	
Outside air	-5°C e 80% U.R.	
Mixture	18 °C e 50% U.R.	
Water temperature [°C]	35	
Water flow rate [l/h]	260	500
Water side load loss [kPa]	12	28
Heating power (heat recovery unit + coil) [kW]	1,10 + 0,97	1,80 + 1,80
Supply air temperature [°C]	27	28,3
Power consumption (ventilation) [kW]	0,11	0,18
Airflow (Ventilation) [A]	0,92	1,50

<b>DEHUMIDIFICATION/INTEGRATION (recirculation only)</b>	<b>MODEL 150/300</b>	<b>MODEL 250/500</b>
Intake air flow rate [m³/h]	300	500
Recirculated air [m³/h]	300	500
Available delivery head [Pa]	195	215
Expulsion air flow rate [m³/h]	0	
Available expulsion head [Pa]	0	
Refrigerant (R290) [gr]	105	150

<b>DEHUMIDIFICATION</b>	<b>MODEL 150/300</b>	<b>MODEL 250/500</b>
Ambient air	26°C e 60% U.R.	
Water temperature [°C]	15	
Water flow rate [l/h]	260	500
Water side load loss [kPa]	12	28
Refrigerant power (precooler + evaporator) [kW]	0,75 + 1,50	1,02 + 1,40
Supply air temperature (Dehumidification) [°C]	23,3	25,5
Condensation capacity (Dehumidification) [l/h]	0,92	1,46
Power consumption (Dehumidification) (recirculation + refrigeration circuit) [kW]	0,075 + 0,28	0,12 + 0,51
Airflow (Dehumidification) (Recirculation + Refrigeration Circuit) [A]	0,64 + 1,50	1,0 + 2,75

<b>COOLING</b>	<b>MODEL 150/300</b>	<b>MODEL 250/500</b>
Ambient air	26°C e 60% U.R.	
Water temperature [°C]	15	
Water flow rate [l/h]	260	500
Water side load loss [kPa]	12	28
Refrigerant power (recirculation + refrigeration circuit) [kW]	0.90	1,80 (Sens. p.)
Supply air temperature (Cooling) [°C]	17.4	16
Condensation capacity (Cooling) [l/h]	0,88	1,35
Power consumption (Cooling) (recirculation + refrigeration circuit) [kW]	0,075 + 0,345	0,12 + 0,560
Airflow (Cooling) (Recirculation + Refrigeration Circuit) [A]	0,64 + 1,85	1,0 + 3,0

<b>HEATING</b>	<b>MODEL 150/300</b>	<b>MODEL 250/500</b>
Ambient air	20 °C e 50% U.R.	
Water temperature [°C]	35	
Water flow rate [l/h]	260	500
Water side load loss [kPa]	12	28
Heating power (recirculation + coil) [kW]	1,10 + 0,97	1.40
Supply air temperature [°C]	28	
Power consumption (recirculation) [kW]	0,075	0,12
Airflow (Recirculation) [A]	0,64	1,0

AIR DYN SYSTEM air renewal units feature the adoption of a dual energy recovery system, which would otherwise be wasted in the stale air expulsion phase: the first, static type, uses a cross-flow recovery unit with aluminium plates, and the second (in combination with the previous one), active type, uses a reversible refrigeration circuit.

**Using a single, independent unit, this allows the simultaneous renewal of air with respect to comfort, reduction of associated thermal loads and savings in energy, all due to very high overall efficiency, both in winter and summer.**

Combined with their compact size, the special features provided by these units facilitate installations that would be unthinkable

with traditional systems, which would involve greater complications and installation costs. These units integrate seamlessly with conventional heating/air conditioning systems. The AIR DYN SYSTEM series consists of 3 models, in horizontal version only, to cater for ventilation requirements of **1000 to 2300 m<sup>3</sup>/h**.

The cooling circuit has been sized with the main aim of bringing the air entering the room to conditions very close to those of the room itself, in order to prevent conditions of discomfort in the vicinity of the grilles. The AIR DYN SYSTEM unit is, therefore, not a room air conditioner, and cannot do without other heat or cooling sources to treat interior heat loads, if adequate conditions of thermo-hygrometric comfort are to be ensured.



## DUCTABLE SENSIBLE HEAT RECOVERY UNIT FOR CEILING INSTALLATION WITH THERMODYNAMIC SYSTEM

### TECHNICAL SPECIFICATIONS

- Extruded aluminium profile frame
- Sandwich-type infill panels thickness 23 mm
- Synthetic pleated filters in efficiency class ISO 16890 COARSE 55% on both air circuits, large surface
- Optional ePM1 70% filter.
- Cross-flow air-air recovery unit with aluminium plates
- Reversible R410A cooling circuit with hermetic on-off compressor, heat exchange batteries with copper pipes and aluminium fins and electronic expansion valve.
- Double-inlet forward-curved centrifugal fans with directly coupled EC electric motor and dedicated driver; standard operation at constant airflow.
- Internal electrical panel for load management; NTC-type temperature sensors on both air circuits; microprocessor-based electronic control for automatic management of room temperature, hot/cold switching, and defrost cycles; remote control panel up to 20 m from the unit, already implemented with Modbus RTU protocol for communication with the supervision system.
- Optional remote user terminal with interconnect cables



## RÉCUPÉRATEUR DE CHALEUR SENSIBLE CANALISABLE POUR INSTALLATION AU PLAFOND AVEC SYSTÈME THERMODYNAMIQUE

### CARACTÉRISTIQUES TECHNIQUES


- Cadre en profilé d'aluminium extrudé
- Panneaux de remplissage de type sandwich de 23 mm d'épaisseur
- Filtres synthétiques plissés en classe d'efficacité ISO 16890 COARSE 55% sur les deux circuits d'air, à grande surface - Filtre optionnel ePM1 70 %.
- Unité de récupération d'air à flux croisés avec plaques en aluminium
- Circuit frigorifique réversible R410A avec compresseur hermétique on-off, batteries d'échange de chaleur avec tubes en cuivre et ailettes en aluminium et vanne d'expansion électronique
- Ventilateurs centrifuges à double aspiration à pales avant avec moteur électrique EC directement accouplé et pilote dédié ; fonctionnement standard à débit constant.
- Tableau électrique interne pour la gestion des charges ; sondes de température de type NTC sur les deux circuits d'air ; contrôle électronique par microprocesseur pour la gestion automatique de la température ambiante, du commutateur chaud/froid et des cycles de dégivrage ; panneau de commande à distance jusqu'à 20 m de l'unité, déjà équipé du protocole Modbus RTU pour la communication avec le système de supervision.
- Terminal utilisateur distant en option avec câbles d'interconnexion



## KANALANSCHLISSBA-RER SENSIBLER WÄRMERÜCKGEWINNER ZUR DECKENMONTAGE MIT THERMODYNAMISCHEM SYSTEM

### TECHNISCHE EIGENSCHAFTEN

- RahMen aus extrudiertem Aluminiumprofil
- Sandwich-Füllplatten mit einer Dicke von 23 mm
- Synthetische Faltenfilter in der Effizienzklasse ISO 16890 COARSE 55% in beiden Luftkreisläufen, große Oberfläche
- Optionaler ePM1 70 %-Filter.
- Querstrom-Luft-Luft-Rückgewinnungseinheit mit Aluminiumplatten
- Umschaltbarer R410A-Kühlkreislauf mit hermetischem On-Off-Kompressor, Wärmetauscherschlangen mit Kupferrohren und Aluminiumlamellen und elektronischem Expansionsventil
- Doppelansaugende Radialventilatoren mit Vorwärtskrümmung, direkt gekoppeltem EC-Elektromotor und dediziertem Treiber; Standardbetrieb bei konstantem Volumenstrom.
- Internes Elektroschaltfeld zur Laststeuerung; NTC-Temperatur Sensoren in beiden Luftkreisläufen; mikroprozessorbasierte elektronische Steuerung zur automatischen Regelung der Raumtemperatur, Umschaltung Heiß/Kalt und Abtauzyklen; Fernbedienfeld bis zu 20 m von der Einheit, bereits mit Modbus RTU-Protokoll zur Kommunikation mit dem Überwachungssystem ausgestattet.
- Optionales Fernbedienungsterminal mit Verbindungskabel

CODE	DESCRIPTION	U.M.	 Pieces per box
ACC100003	HEAT RECOVERY UNIT WITH THERMODYNAMIC SYSTEM "AIR DYN SYSTEM" - 1000m <sup>3</sup> /h	PCS	1
ACC100004	HEAT RECOVERY UNIT WITH THERMODYNAMIC SYSTEM AIR DYN SYSTEM - 1500m <sup>3</sup> /h	PCS	1
ACC100005	HEAT RECOVERY UNIT WITH THERMODYNAMIC SYSTEM AIR DYN SYSTEM - 2300m <sup>3</sup> /h	PCS	1
ACC700004	REMOTE USER TERMINAL FOR "AIR DYN SYSTEM"	PCS	1
ACC700005	COMPACT FILTER ePM1 70% FOR "AIR DYN SYSTEM" - 1000m <sup>3</sup> /h	PCS	1
ACC700006	COMPACT FILTER ePM1 70% FOR "AIR DYN SYSTEM" - 1500m <sup>3</sup> /h	PCS	1
ACC700007	COMPACT FILTER ePM1 70% FOR "AIR DYN SYSTEM" - 2300m <sup>3</sup> /h	PCS	1

Datasheet



**NEW**

**ACCESSORIES**

- High efficiency filter ePM<sub>1</sub> 70%
- Optional remote user terminal with interconnect cables

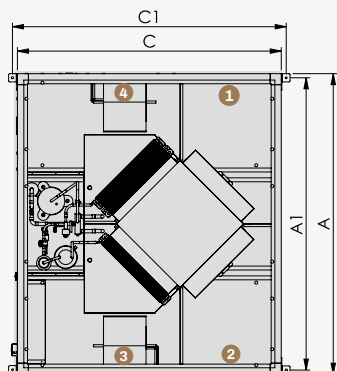
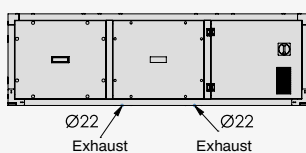
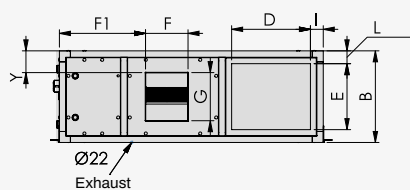
**ACCESSOIRES**

- Filtre haute efficacité ePM<sub>1</sub> 70%
- Terminal utilisateur distant en option avec câbles d'interconnexion

**ZUBEHÖR**

- Hocheffizienter Filter ePM<sub>1</sub> 70%.
- Optionales Fernbedienungsterminal mit Verbindungskabel

Available on request



- 1 Outdoor air intake
- 2 Indoor air intake
- 3 Supply of treated air
- 4 Exhaust of stale air

DIMENSIONS	MOD. 1000	MOD. 1500	MOD. 2300
A [mm]	1840	1840	2040
B [mm]	410	500	550
C [mm]	1440	1440	1690
A1 [mm]	1795	1795	1995
C1 [mm]	1494	1494	1744
D [mm]	400	400	500
E [mm]	250	350	410
F [mm]	233	233	299
F1 [mm]	498	470	571
G [mm]	264	264	264
I [mm]	85	85	85
L [mm]	80	75	70
Y [mm]	55	118	120

<b>PERFORMANCE</b>	<b>MODEL 1000</b>	<b>MODEL 1500</b>	<b>MODEL 2300</b>
Nominal airflow rate [m <sup>3</sup> /h]	1000	1500	2300
Available supply static pressure [Pa]	295	290	365
Available return static pressure [Pa]	240	230	305
Sound pressure level [dB(A)]	62/49/55	67/54/57	65/51/60
Weight	185	228	267

<b>OPERATING LIMITS</b>	<b>MODEL 1000</b>	<b>MODEL 1500</b>	<b>MODEL 2300</b>
Winter Limit Conditions Standard Configuration [°C]	min -10°C OUT and min 19°C 50% IN		
Range change flow %	+10		
Summer limit conditions [°C]	max 38°C 50% OUT and max 27°C IN		
Range change flow %	+10		

<b>ELECTRICAL DATA</b>	<b>MODEL 1000</b>	<b>MODEL 1500</b>	<b>MODEL 2300</b>
Power supply [V] / ph / [Hz]	230/1/50		400/3+N/50
Absorbed current max [A]	13,2	20,2	10

<b>COOLING PERFORMANCE</b>	<b>MODEL 1000</b>	<b>MODEL 1500</b>	<b>MODEL 2300</b>
Efficiency static recovery %	50	50	50
Total cooling capacity [kW]	6.3	9.0	13.4
Cooling capacity with active recovery [kW]	5.3	7.5	11
Global EER [W/W] *Excluding power consumed by ventilation	4.5	4.3	5.6
Refrigerant - GWP	R410A - 2088		
Number of circuits	1		

<b>HEATING PERFORMANCE</b>	<b>MODEL 1000</b>	<b>MODEL 1500</b>	<b>MODEL 2300</b>
Efficiency static recovery %	50		
Total heat output [kW]	9.8	14.3	20.8
Thermal power active recovery [kW]	5.1	7.4	10.1
Global COP *Excluding power absorbed for ventilation	9.4	9.6	12.6

 **DEHUMIDIFIER FOR DUCTABLE CEILING**

**TECHNICAL SPECIFICATIONS**

- For interior ceiling installations
- Removable filter
- 2 modes: dehumidifier and ventilation

 **DÉSHUMIDIFICATEUR CANALISABLE DE FAUX-PLAFOND**

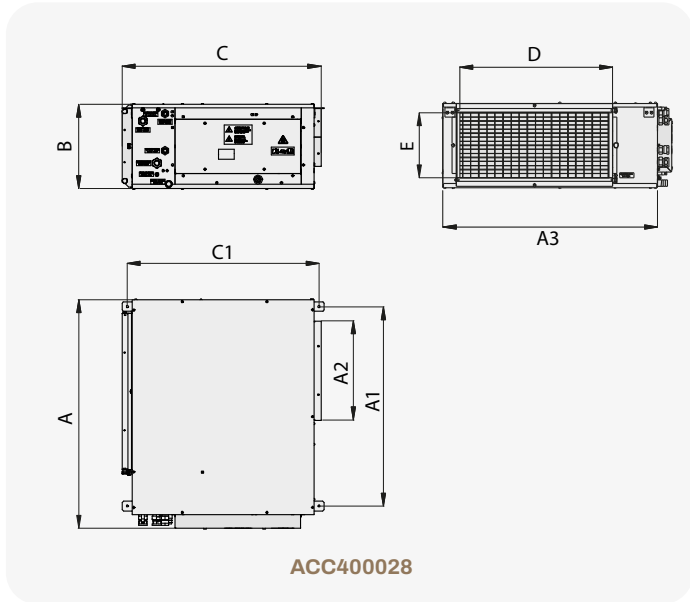
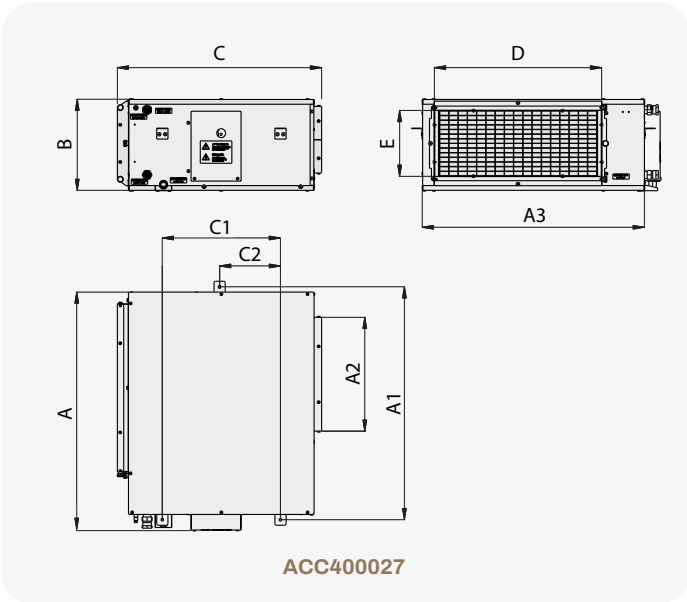
**CARACTÉRISTIQUES TECHNIQUES**

- Pour les installations de plafond intérieur
- Filtre amovible
- 2 modes : déshumidificateur et ventilation

 **UNTERPUTZ-LUF-TENTFEUCHTER**


**TECHNISCHE EIGENSCHAFTEN**

- Für interne Montage an Zwischendecke
- Abnehmbarer Filter
- 2 Modi: Luftentfeuchter und Lüftung



DIMENSIONS [mm]									
MODELS	A	A1	A2	B	C	C1	C2	D	E
ACC400027	640	627	306	245	550	318	164	450	177
ACC400028	707	616	304	260	614	592	-	472	201

Available on request

CODE	DESCRIPTION	U.M.	 Pieces per box
ACC400027	DUCTED DEHUMIDIFIER FOR FALSE CEILING INSTALLATION "DE.CS25"	PCS	1
ACC400028	DUCTED DEHUMIDIFIER FOR FALSE CEILING INSTALLATION "DE.CS35"	PCS	1

Datasheet



**NEW**

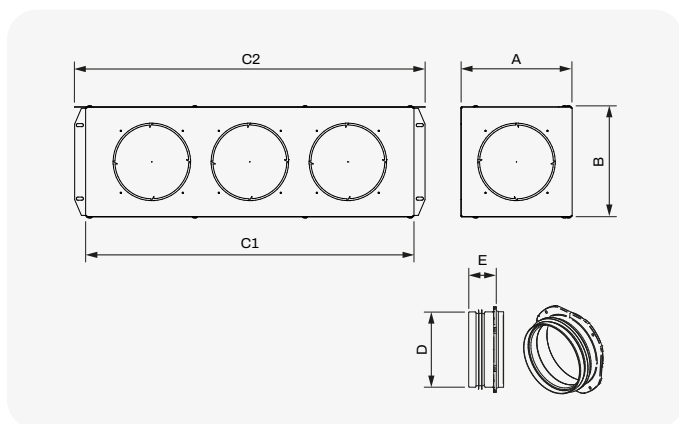
TECHNICAL DATA	MODEL ACC400027	MODEL ACC400028
Power supply [V]	230	
Power supply [Ph]	1	
Power supply [Hz]	50	
Maximum electrical power input [W]	260	520
Electrical power input of the fan [W]	30	37
Total water flow rate [l/h]	240	420
Pre-cooling water flow rate [l/h]	-	350
Water circuit pressure drop [kPa]	11	20
Air flow rate [m³/h]	200	350
Available pressure (factory configuration) [Pa]	15	10
Sound power level during dehumidification (factory configuration) [dB(A)]	41	53
Fan	Double suction centrifugal, 3 speed	Double suction centrifugal, 5 speed
Air Filter	Class G3 (EN 779:2002)	Class G3 (EN 779:2002)
Operating range	from 15°C to 30°C	from 15°C to 30°C
Safety	Control of inlet water temperature, evaporator, condenser, LED, and alarm signal relay	
Refrigerant (R290) [gr]	95	105
Weight [kg]	29	32

Apply.Co


 **DE.CS25 PLENUM AND ACCESSORIES**

 **DE.CS25 PLÉNUM ET ACCESSOIRES**

 **DE.CS25 PLENUM UND ZUBEHÖR**



CODE	DESCRIPTION	DIMENSIONS [mm]						U.M.	 Pieces per box
		A	B	C1	C2	D	E		
ACC600102	SUPPLY PLENUM WITH 5 OUTLETS Ø125 + 5 COLLARS - DE.CS25 AND DE.CS35	182	180	573	536	125	45	PCS	1

CODE	DESCRIPTION	DIMENSIONS [mm]	Ø [mm]	U.M.	 Pieces per box
		L x H x P			
ACC600099	Ø160 EXHAUST COUPLING - DE.CS25	450 x 176 x 57	160	PCS	1
ACC600100	Ø160 CONNECTION INTAKE - DE.CS35	482 x 200 x 57	160	PCS	1
ACC600101	Ø160 CONNECTION SUPPLY - DE.CS25 AND DE.CS35	303 x 176 x 57	160	PCS	1

Datasheet



**HVAC BACTERICIDAL  
SANITISING LAMP WITH  
PHOTOINITIATOR**

**IDEAL FOR**

- Installation in new and existing systems
- Residential, commercial, industrial MVHR systems
- Residential, commercial, industrial HVAC systems
- Air conditioning systems
- Ventilation systems
- Air handling unit (AHU)
- Distribution or air connection plenum
- Air distribution duct

**LAMPE DÉINFECTANTE  
BACTÉRICIDE HVAC AVEC  
PHOTOCATALYSEUR**

**IDÉAL POUR**

- Installation dans des systèmes nouveaux et existants
- Systèmes VMC résidentiels, commerciaux, industriels
- Systèmes HVAC résidentiels, commerciaux, industriels
- Systèmes de climatisation
- Systèmes de ventilation
- Unité de traitement d'air (UTA)
- Plénum de distribution ou de raccordement d'air
- Conduit de distribution air

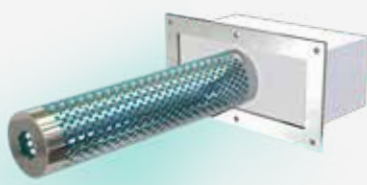
**BAKTERIZIDE DESINFEKTION-  
SLAMPE HVAC MIT PHOTOKA-  
TALYSATOR**

**IDEAL FÜR**

- Installation in neuen und bestehenden Systemen
- Wohn-, Gewerbe-, Industrie-WRG-Lüftung-Systeme
- Wohn-, Gewerbe-, Industrieklimaanlagen
- Klimaanlageanlagen
- Lüftungssysteme
- Luftbehandlungseinheit (LBE)
- Verteiler-Plenum oder Luftverschraubung
- Luftverteilungskanal



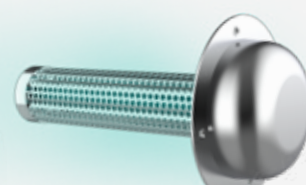
**ACC600094**  
from 1.000 - 1.500 m³/h



**ACC600095**  
from 2.500 - 3.000 m³/h

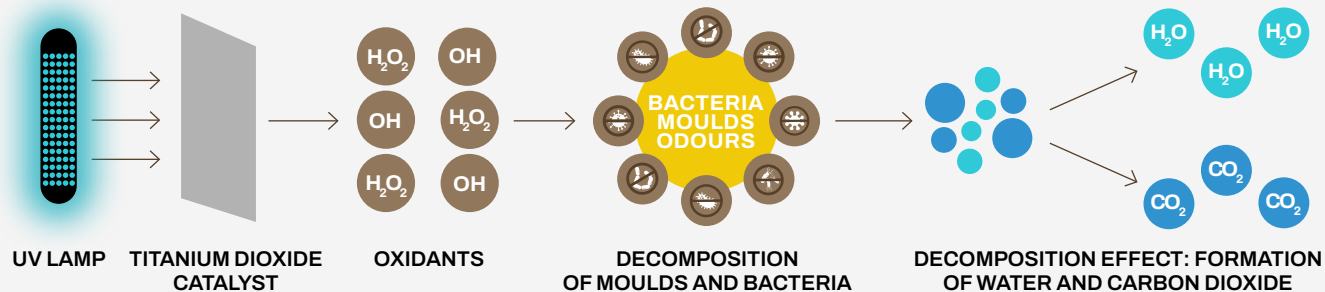


**ACC600096**  
from 1.500 - 2.500 m³/h



**ACC600097**  
from 3.000 - 11.000 m³/h

**PHOTOCATALYTIC PROCESS**



Datasheet



Datasheet



Datasheet



Datasheet



MODEL	ACC600094	ACC600095	ACC600096	ACC600097
Voltage [V]	230	230	230	230
Frequency [Hz]	50	50	50	50
Absorbed power [W]	6	10	15	13,3
Technology	Photocatalyst	Photocatalyst	Photocatalyst	Photocatalyst
Operating range [m³/h]	1.000 - 1.500	1.500 - 2.500	2.500 - 3.000	3.000 - 11.000
Dimensions [mm]	L 170 x H 85 x D 235	170 x H 85 x D 295	L 165 x H 145 x D 385	Ø External 140 Ø Internal 50 - L total 230

CODE	DESCRIPTION	U.M.	Pieces per box
ACC600094	BACTERICIDE SANITISING LAMP WITH PHOTOCATALYST XHP15	PCS	1
ACC600095	BACTERICIDE SANITISING LAMP WITH PHOTOCATALYST XHP25	PCS	1
ACC600096	BACTERICIDE SANITISING LAMP WITH PHOTOCATALYST XHP30	PCS	1
ACC600097	BACTERICIDE SANITISING LAMP WITH PHOTOCATALYST XHP110	PCS	1



## HEATING BATTERY HOT/ COLD

### TECHNICAL SPECIFICATIONS

- Self-supporting structure in pre-painted metal sheet
- Thermal/acoustic insulation in expanded polyethylene sp. 10 mm
- Inlet/Outlet Sleeve To Fix Air-Side Ducting
- Condensate water collection tray
- Configuration with H2O connections on the right side (following the air flow)
- Fastening brackets supplied



## BATTERIE CHAUFFANTE CHAUDE/FROIDE

### CARACTÉRISTIQUES TECHNIQUES

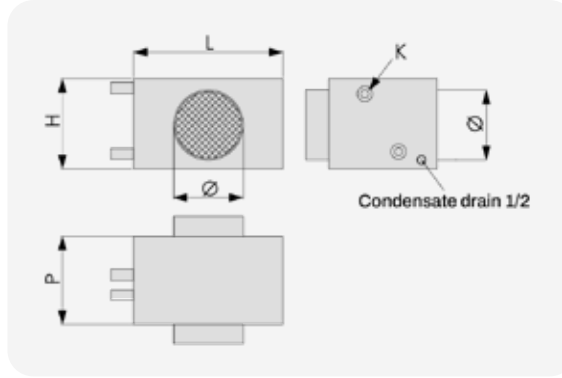
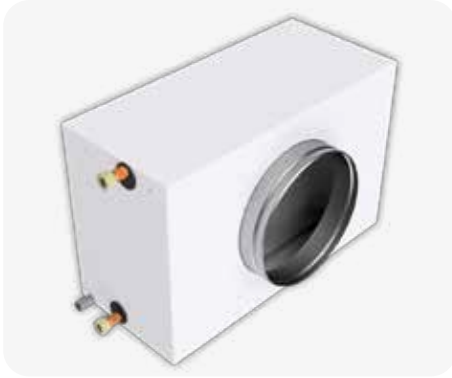
- Structure autoportante en tôle pré-peinte
- Isolation thermique/acoustique en polyéthylène expansé sp. 10 mm
- Manchon En Entrée/Sortie Pour La Fixation Des Canalisations Côté Air
- Bac à condensation
- Configuration avec raccords H2O sur le côté droit (en suivant le flux d'air)
- Supports de fixation fournis



## HEIZBATTERIE HEISS/ KALT

### TECHNISCHE EIGENSCHAFTEN

- Selbsttragende Struktur aus vorlackiertem Metallblech
- Wärme-/Schalldämmung aus geschäumtem Polyethylen sp. 10 mm
- Pinole An Ein-/Ausgang Zur Befestigung Der Kanalisierungen Luftseite
- Auffangschale für Kondenswasser
- Konfiguration mit H2O-Anschluss auf der rechten Seite (dem Luftstrom folgend)
- Befestigungsbügel mitgeliefert



### HEATING

CODE		ACC400017	ACC400018	ACC400019	ACC400020	ACC400021	ACC400022	ACC400023	ACC400024	ACC400025	ACC400026
Air flow rate	[m³/h]	150	220	350	500	800	1200	1600	2200	3200	4000
	[m/s]	1.2	1	1.6	1.6	1.4	1.45	1.61	2.22	2.21	2.14
t° IN water	[°C]	50	50	50	50	50	50	50	50	50	50
t° OUT water	[°C]	45	45	45	45	45	45	45	45	45	45
Total power	[W]	1	1.6	2.2	3.2	5.7	10	12.9	18.7	27.4	34.5
t° IN air	[°C]	20	20	20	20	20	20	20	20	20	20
t° OUT air	[°C]	40.6	41.6	38.9	38.7	41	44.7	43.9	45.2	45.4	45.6
Water flow rate	[l/h]	181	279	389	549	985	1728	2234	3241	4747	5988
	[m/s]	1	0.8	1.1	1	1	1.25	1.08	1.17	1.37	1.44
Water pressure drop	[kPa]	20.4	10.3	18.4	13.4	11.9	21.5	14.4	15.4	21.2	26.3
Air pressure drop	[Pa]	8	6	13	14	13	27	33	75	74	70

### COOLING

t° IN water	[°C]	7	7	7	7	7	7	7	7	7	7
t° OUT water	[°C]	12	12	12	12	12	12	12	12	12	12
Total power	[kW]	1	1.6	2.2	3.1	5.7	7.8	9.7	15.1	22.5	28.7
Sensible Power.	[kW]	0.6	0.9	1.2	1.7	3.1	4.9	6.2	9.2	13.7	17.2
t° IN air	[°C]	27	27	27	27	27	27	27	27	27	27
rH% IN air	[%rH]	60	60	60	60	60	60	60	60	60	60
t° OUT air	[°C]	15.2	14.9	16.4	16.7	15.1	15.1	15.6	14.6	14.5	14.3
rH% OUT air	[%rH]	87.3	89.2	85	84.9	88.1	99.8	99.4	100	100	100
Water flow rate	[l/h]	183	272	380	523	981	1334	1664	2601	3863	4929
	[m/s]	1	0.8	1	1	1	0.96	0.8	0.94	1.12	1.19
Water pressure drop	[kPa]	25.5	12.2	21.8	15.1	14.5	15.9	10	15.5	20	21.8
Air pressure drop	[Pa]	12	9	19	20	20	54	63	113	113	108
Condensate	[l/h]	0.7	1.1	1.5	2.1	4	4	4.8	8.2	12.3	15.9

CODE	DESCRIPTION	L [mm]	H [mm]	P [mm]	Ø [mm]	K [inch]	U.M.	Pieces per box
ACC400017	COLD / HOT WATER COIL - 150m³/h e 1Kw	310	200	300	125	1/2"	PCS	1
ACC400018	COLD / HOT WATER COIL - 220m³/h e 1,6Kw	360	270	300	160	1/2"	PCS	1
ACC400019	COLD / HOT WATER COIL - 350m³/h e 2,2Kw	360	270	300	160	1/2"	PCS	1
ACC400020	COLD / HOT WATER COIL - 500m³/h e 3,2Kw	460	270	300	200	1/2"	PCS	1
ACC400021	COLD / HOT WATER COIL - 800m³/h e 5,7Kw	650	330	300	250	1/2"	PCS	1
ACC400022	COLD / HOT WATER COIL - 1200m³/h e 7,8Kw	785	430	350	315	3/4"	PCS	1
ACC400023	COLD / HOT WATER COIL - 1600m³/h e 9,7Kw	780	520	350	315	3/4"	PCS	1
ACC400024	COLD / HOT WATER COIL - 2200m³/h e 15Kw	780	520	400	355	3/4"	PCS	1
ACC400025	COLD / HOT WATER COIL - 3200m³/h e 22Kw	895	660	450	400	1"	PCS	1
ACC400026	COLD / HOT WATER COIL - 4000m³/h e 29Kw	1000	740	450	400	1"	PCS	1

Datasheet





## HOT WATER BATTERY FOR HEAT RECOVERY UNIT

### TECHNICAL SPECIFICATIONS

- To be used indoors with ambient temperature between +1 and +50°C
- Max temperature: +100°C
- Maximum pressure at +100°C: 16 MPa (16 bar)
- Designed for cold weather and temperature zones
- Copper hoses, aluminium finned pack
- Galvanized steel case



## BATTERIE À EAU CHAUDE POUR RÉCUPÉRATEUR DE CHALEUR

### CARACTÉRISTIQUES TECHNIQUES

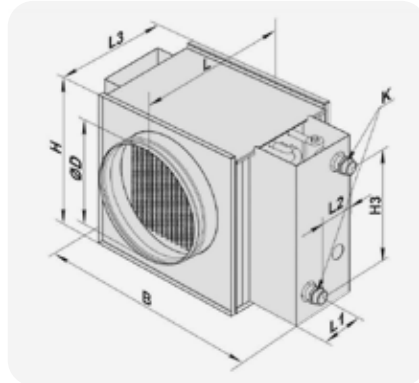
- À utiliser à l'intérieur à une température ambiante comprise entre +1 et +50 °C
- Température maximale : +100°C
- Pression maximale à +100°C : 16 MPa (16 bar)
- Ils sont conçus pour les zones à climats et températures froids
- Tuyaux en cuivre, paquet à ailettes en aluminium
- Boîtier en acier galvanisé



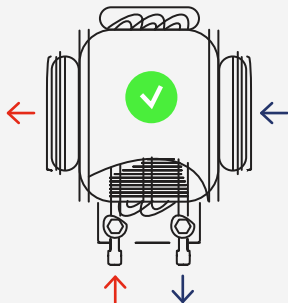
## WARMWASSERHEIZREGISTER FÜR WÄRMERÜCKGEWINNUNGSSYSTEME

### TECHNISCHE EIGENSCHAFTEN

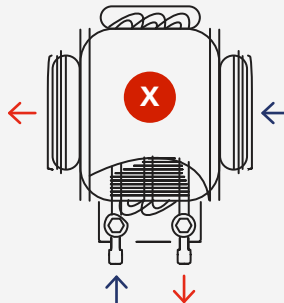
- Zur Verwendung in Innenräumen mit einer Umgebungstemperatur zwischen +1 und +50 °C
- Max. Temperatur: +100°C
- Maximaler Druck bei +100°C: 16 MPa (16 bar)
- Sie sind für Gebiete mit kaltem Klima und kalten Temperaturen konzipiert
- Kupferrohre, Packung mit Aluminiumrippen
- Gehäuse aus verzinktem Stahl



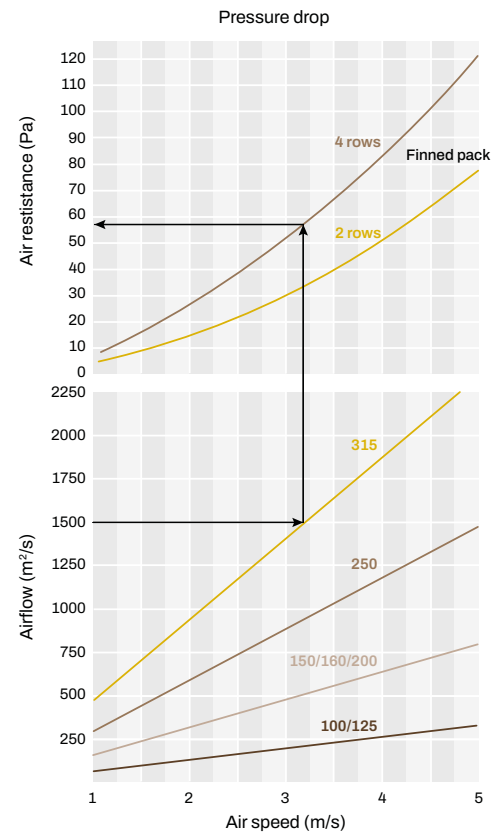
Connection with the **opposite** direction of the airflow



Connection with the **same** direction of the airflow



Allow the air temperature to increase, thereby assisting the fill packs



MOD.	Ø D [mm]	B [mm]	H [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	K [mm]	N° BATTERIES ARRAY	WEIGHT [kg]
200 - 4	198	400	280	200	300	28	65	220	G 3/4"	4	8,2
250 - 2	248	470	350	270	350	32	43	270	G 1"	2	10,3
250 - 4	248	470	350	270	350	28	65	270	G 1"	4	10,8
315 - 2	313	550	430	350	450	57	43	370	G 1"	2	12,6
315 - 4	313	550	430	350	450	53	65	370	G 1"	4	13,4

CODE	DESCRIPTION	U.M.	Pieces per box
30370030	HOT WATER COIL FOR HEAT-RECOVERY UNITS 200-4	PCS	1
30370035	HOT WATER COIL FOR HEAT-RECOVERY UNITS 250-2	PCS	1
30370040	HOT WATER COIL FOR HEAT-RECOVERY UNITS 250-4	PCS	1
30370045	HOT WATER COIL FOR HEAT-RECOVERY UNITS 315-2	PCS	1
30370050	HOT WATER COIL FOR HEAT-RECOVERY UNITS 315-4	PCS	1

Datasheet





**ELECTRICAL BATTERY WITH THERMOSTAT FOR HEAT RECOVERY FROM 200 TO 800 M<sup>3</sup>/H**

**TECHNICAL SPECIFICATIONS**

- Equipped with thermostat for temperature regulation from -10°C to +40°C
- Equipped with two thermoprotectors: +50°C with automatic reset; +90°C with manual reset
- To prevent overheating the battery, air flow must always be greater than the minimum flow rate indicated in the table



**BATTERIE ÉLECTRIQUE AVEC THERMOSTAT POUR RÉCUPÉRATEUR DE CHALEUR DE 200 À 800 M<sup>3</sup>/H**

**CARACTÉRISTIQUES TECHNIQUES**

- Équipé d'un thermostat pour la régulation de température de -10 °C à + 40 °C
- Équipé de deux protecteurs thermiques : +50°C avec réinitialisation automatique ; +90°C avec réinitialisation manuelle
- Pour éviter une surchauffe de la batterie, le débit d'air doit toujours être supérieur au débit minimum indiqué dans le tableau



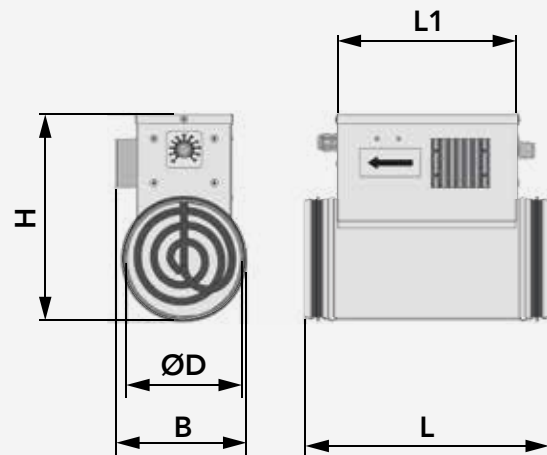
**ELEKTRISCHES HEIZREGISTER MIT THERMOSTAT ZUR WÄRMERÜCKGEWINNUNG VON 200 BIS 800 M<sup>3</sup>/H**

**TECHNISCHE EIGENSCHAFTEN**

- Mit Thermostat für Temperaturregelung von -10 °C bis + 40 °C
- Mit zwei Wärmeschutzvorrichtungen: +50°C mit automatischem Reset; +90°C mit manuellem Reset
- Um eine Überhitzung der Batterie zu vermeiden, muss der Luftstrom immer größer sein als der in der Tabelle angegebene Mindestluftstrom



Double thermal protector



Supplied with thermostat for heat regulation from -10°C TO +40°C

MODEL	NOMINAL FLOW RATE [M <sup>3</sup> /H]	MINIMUM FLOW RATE [M <sup>3</sup> /H]	ΔT NOMINAL AIR [°C]	COUPLERS [MM]	VOLTAGE [V]	FREQUENCY [Hz]	POWER [KW]	WEIGHT [kg]	L [mm]	H [mm]	B [mm]	L1 [mm]
125-0,6	200	60	9	125	230	50	0,6	1,6	306	230	103	227
150-1,2	300	120	12	150	230	50	1,2	2,1	306	255	144	226
200-1,7	500	150	7	200	230	50	1,7	2,6	306	302	174	228
200-2,4	800	180	9	200	230	50	2,4	3,2	376	302	174	298

CODE	DESCRIPTION	U.M.	Pieces per box
ACC400001	ELECTRICAL BATTERIES WITH THERMOSTAT Ø125 0,6 kW FOR HEAT RECOVERY UNITS	PCS	1
ACC400002	ELECTRICAL BATTERIES WITH THERMOSTAT Ø150 1,2 kW FOR HEAT RECOVERY UNITS	PCS	1
ACC400003	ELECTRICAL BATTERIES WITH THERMOSTAT Ø200 1,7 kW FOR HEAT RECOVERY UNITS	PCS	1
ACC400004	ELECTRICAL BATTERIES WITH THERMOSTAT Ø200 2,4 kW FOR HEAT RECOVERY UNITS	PCS	1

Datasheet





## ELECTRICAL BATTERY WITH THERMOSTAT FOR HEAT RECOVERY FROM 1000 TO 4000 M<sup>3</sup>/H

### TECHNICAL SPECIFICATIONS

- Equipped with thermostat for temperature regulation from -30°C +30°C
- Equipped with two thermoprotectors: +55°C with automatic reset +85°C with manual reset
- To prevent overheating the battery, air flow must always be greater than the minimum flow rate indicated in the table• Relay/contactor and terminal board;



## BATTERIE ÉLECTRIQUE AVEC THERMOSTAT POUR RÉCUPÉRATEUR DE CHALEUR DE 1000 À 4000 M<sup>3</sup>/H

### CARACTÉRISTIQUES TECHNIQUES

- Équipé d'un thermostat pour la régulation de température de -30 °C à +30 °C
- Équipé de deux protecteurs thermiques : +55°C avec réinitialisation automatique +85°C avec réinitialisation manuelle
- Pour éviter une surchauffe de la batterie, le débit d'air doit toujours être supérieur au débit minimum indiqué dans le tableau• Relais/télérupteur et bornier ;



## ELEKTRISCHE HEIZREGISTER MIT THERMOSTAT ZUR WÄRMERÜCKGEWINNUNG VON 1000 BIS 4000 M<sup>3</sup>/H

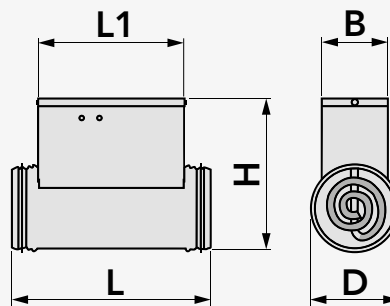
### TECHNISCHE EIGENSCHAFTEN

- mit Thermostat für Temperaturregelung von -30 °C bis +30 °C
- Mit zwei Wärmeschutzvorrichtungen: +55°C mit automatischem Reset +85°C mit manuellem Reset
- Um eine Überhitzung der Batterie zu vermeiden, muss der Luftstrom immer größer sein als der in der Tabelle angegebene Mindestluftstrom• Relais/Schütz und Klemmleiste;

MADE IN ITALY



Available on request



MODEL	NOMINAL FLOW RATE [m <sup>3</sup> /h]	MINIMUM FLOWRATE [m <sup>3</sup> /h]	ΔT NOMINAL AIR [°C]	COUPLERS [mm]	VOLTA-GE [V]	FRE-QUENCY [Hz]	POWER [kW]	MODEL	DIMENSIONS [mm]				WEIGHT [Kg]
									L	H	B	L1	
315 - 3	1200	320	9,3	315	400	50	3	315-3	400	450	200	300	8,5
315 - 4	1600	430	9,3	315	400	50	4	315-4	400	450	200	300	8,5
355 - 6	2200	640	10,2	355	400	50	6	355-6	400	490	210	300	8,5
400 - 12	3200	1280	14	400	400	50	12	400-12	400	495	260	300	10
400 - 16	4000	1710	14,9	400	400	50	16	400-16	400	550	260	300	10

CODE	DESCRIPTION	U.M.	Pieces per box
ACC400005	ELECTRICAL BATTERIES WITH THERMOSTAT Ø315 3 kW FOR HEAT RECOVERY UNITS	PCS	1
ACC400006	ELECTRICAL BATTERIES WITH THERMOSTAT Ø315 4 kW FOR HEAT RECOVERY UNITS	PCS	1
ACC400007	ELECTRICAL BATTERIES WITH THERMOSTAT Ø355 6 kW FOR HEAT RECOVERY UNITS	PCS	1
ACC400008	ELECTRICAL BATTERIES WITH THERMOSTAT Ø400 12 kW FOR HEAT RECOVERY UNITS	PCS	1
ACC400009	ELECTRICAL BATTERIES WITH THERMOSTAT Ø450 16 kW FOR HEAT RECOVERY UNITS	PCS	1

Datasheet



## COLD WATER BATTERY FOR HEAT RECOVERY UNIT

### TECHNICAL SPECIFICATIONS

- Maximum operating pressure: 15 bar
- Horizontal installation only
- If the battery is installed in areas where the temperature is below 0°C, use an antifreeze mixture
- Designed for cooling the supply air in the ventilation system on rectangular ducting
- Heat exchanger with copper pipes and aluminium fin pack



## BATTERIE À EAU FROIDE POUR RÉCUPÉRATEURS DE CHALEUR

### CARACTÉRISTIQUES TECHNIQUES

- Pression maximale de fonctionnement : 15 bar
- Installation horizontale uniquement
- Si la batterie est installée dans des zones inférieures à 0 °C, utilisez un mélange antigel
- Conçu pour refroidir l'air d'alimentation dans le système de ventilation sur des canaux rectangulaires
- Pack d'échange avec tubes en cuivre et ailettes en aluminium



## KALTWASSERBATTERIE FÜR WÄRMERÜCKGEWINNUNGSSYSTEME

### TECHNISCHE EIGENSCHAFTEN

- Maximaler Betriebsdruck: 15 bar
- Nur horizontale Montage
- Wenn die Batterie in Bereichen mit einer Temperatur unter 0°C installiert wird, ein Frostschutzmittelgemisch verwenden
- Ausgelegt für die Kühlung der Zuluft in der Lüftungsanlage an rechteckigen Kanälen
- Austauschpaket mit Kupferrohren und Aluminiumrippen



CODE	DESCRIPTION	U.M.	Pieces per box
30370070	COLD WATER COILS FOR. HEAT RECOVERY UNITS 400x200	PCS	1
30370080	COLD WATER COILS FOR. HEAT RECOVERY UNITS 500x250	PCS	1

Datasheet



# UA30-90

 AMBIENT HUMIDIFIER SWITCH FOR DEHUMIDIFIER UA30-90

 COMMUTATEUR HUMIDIFICATEUR D'AMBIANCE POUR DÉSHUMIDIFICATEUR

 UMGEBUNGSBEFEUCHTERSCHALTER FÜR ENTFEUCHTER



Available on request

Datasheet

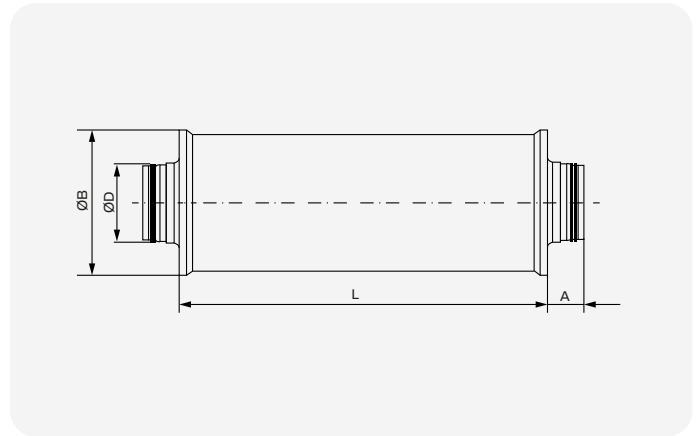
CODE	DESCRIPTION	U.M.	Pieces per box
3020050	"AMBIENT HUMIDIFIER "UA30-90"	PCS	1



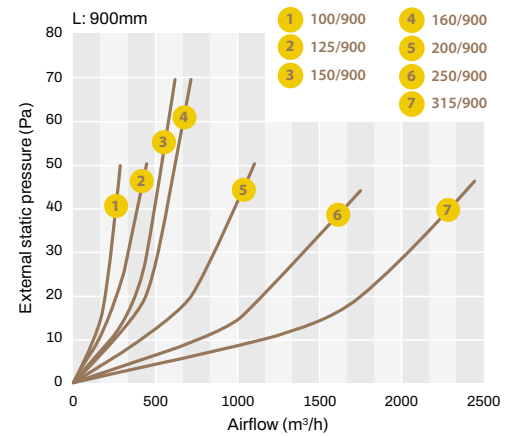
 RIGID CIRCULAR SILENCER

 SILENCIEUX CIRCULAIRE RIGIDE

 STARRER RUNDSCHALLDÄMPFER



REDUCTION OF NOISE (dB)								
RIGID CIRCULAR SILENCER								
MODEL	63 [Hz]	125 [Hz]	250 [Hz]	500 [Hz]	1000 [Hz]	2000 [Hz]	4000 [Hz]	8000 [Hz]
100/900	5	8	13	26	42	41	32	21
125/900	8	7	11	27	39	38	32	19
150/900	8	8	10	26	32	37	29	18
160/900	8	8	10	26	32	37	28	18
200/900	3	3	5	26	29	34	20	14
250/900	3	3	3	17	22	33	11	13
315/900	2	4	5	15	22	22	8	8



CODE	DESCRIPTION	DIMENSIONS [mm]				WEIGHT [kg]	U.M.	Pieces per box
		ØD	L	ØB	A			
ACC400010	CIRCULAR SILENCER 100/900/50	100	0.9	210	60	5,02	PCS	1
ACC400011	CIRCULAR SILENCER 125/900/50	124	0.9	235	60	5,88	PCS	1
ACC400012	CIRCULAR SILENCER 150/900/50	150	0.9	260	60	6,59	PCS	1
ACC400013	CIRCULAR SILENCER 160/900/50	160	0.9	260	60	7,10	PCS	1
ACC400014	CIRCULAR SILENCER 200/900/50	200	0.9	310	60	8,00	PCS	1
ACC400015	CIRCULAR SILENCER 250/900/50	250	0.9	365	72.5	9,52	PCS	1
ACC400016	CIRCULAR SILENCER 315/900/50	315	0.9	410	72.5	11,76	PCS	1

Datasheet



 **SIMPLE FLOW VENTILATION BOX FOR MVHR SYSTEM**


**TECHNICAL SPECIFICATIONS**

- Ideal for residential and commercial ventilation (public premises, bars, offices, etc.)
- For vertical and horizontal installation, wall / ceiling and floor
- Quiet and compact

 **BOÎTE DE VENTILATION À ÉCOULEMENT SIMPLE POUR SYSTÈME VMC**

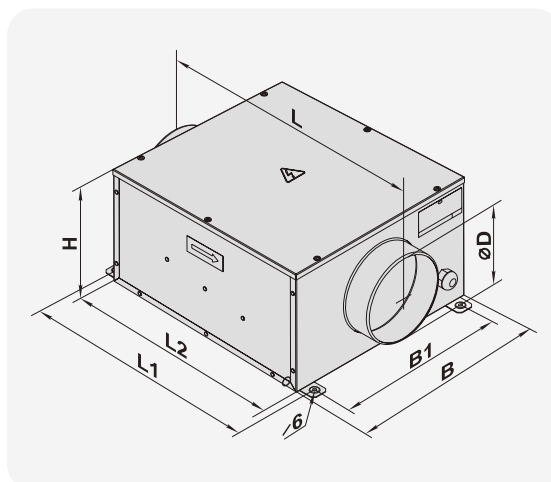
**CARACTÉRISTIQUES TECHNIQUES**

- Idéal pour la ventilation résidentielle et commerciale (locaux publics, bars, bureaux, etc.)
- Pour une installation verticale et horizontale, mur / plafond et sol
- Silencieux et compact

 **LÜFTERKASTEN EIN EINFACHFLUSS FÜR WRG-LÜFTUNG-ANLAGE**


**TECHNISCHE EIGENSCHAFTEN**

- Ideal für Wohn- und Gewerbebelüftung (öffentliche Räumlichkeiten, Bürobars, etc.)
- Für die vertikale und horizontale Montage, an der Wand / Decke und Boden
- Leise und kompakt



MOD.	DIMENSIONS [mm]							WEIGHT [kg]
	Ø D	B	B1	H	L	L1	L2	
125	124	322	280	192	447	380	350	5,4
150	149	352	310	212	477	410	380	6,4
200	199	432	368	287	588	506	480	10,0
200 PLUS	199	432	368	287	588	506	480	12,0
250	249	432	368	287	588	506	480	12,5
315	314	502	438	397	588	506	480	12,5

TECHNICAL DATA							
MODEL	125	150	200	200 PLUS	250	315	
Power supply [V]	230						
Frequency [Hz]	50						
Power [W]	73	72	103	195	198	322	
Current [A]	0,32	0,32	0,45	0,85	0,87	1,40	
Air flow rate [m³/h]	330	420	730	950	1300	2150	
RPM	2590	2600	2550	2570	2420	2670	
Sound level 3 m [dB(A)]	35	36	38	41	41	43	
Max temperature [°C]	-25 +55	-25 +55	-25 +50	-25 +45	-25 +50	-25 +45	
Protection rating [IP]	IPX4						

CODE	DESCRIPTION	U.M.	 Pieces per box
30360010	SIMPLE-FLOW VENT CASING FORMVHR SYSTEMS - MOD. 125	PCS	1
30360020	SIMPLE-FLOW VENT CASING FORMVHR SYSTEMS - MOD. 150	PCS	1
30360030	SIMPLE-FLOW VENT CASING FORMVHR SYSTEMS - MOD. 200	PCS	1
30360040	SIMPLE-FLOW VENT CASING FOR V.M.C. SYSTEMS - MOD. 200 PLUS	PCS	1
30360050	SIMPLE-FLOW VENT CASING FORMVHR SYSTEMS - MOD. 250	PCS	1
30360060	SIMPLE-FLOW VENT CASING FORMVHR SYSTEMS - MOD. 315	PCS	1

**Datasheet**



 **INSULATED METAL SHEET  
FILTER HOLDER BOX**

**TECHNICAL SPECIFICATIONS**

- Made of galvanized metal sheet
- External insulation in 3 mm thick polyethylene
- Equipped with 2 inlet / outlet collars
- Filter not included in price

 **BOÎTE PORTE FILTRE EN  
TÔLE ISOLÉE**

**CARACTÉRISTIQUES TECHNIQUES**

- Fabriqué en tôle galvanisée
- Isolation externe en polyéthylène de 3 mm d'épaisseur
- Équipé de 2 colliers d'entrée / sortie
- Filtre non inclus dans le prix

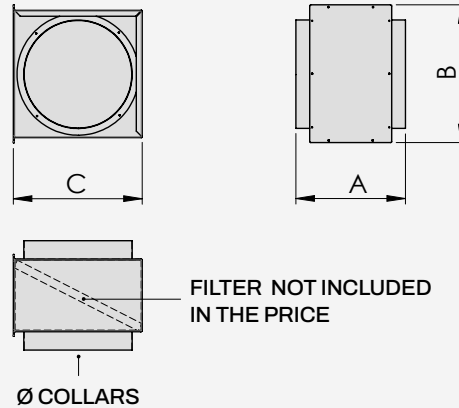
 **FILTERKASTEN AUS  
ISOLIERTEM BLECH**

**TECHNISCHE EIGENSCHAFTEN**

- Aus verzinktem Blech
- Außendämmung aus 3 mm starkem Polyethylen
- Mit 2 Schellen am Einlass / Auslass
- Filter nicht im Preis enthalten




 **MADE IN ITALY**



**Datasheet**



CODE	DESCRIPTION	DIMENSIONS [mm]			INPUT Ø [mm]	OUTLET Ø [mm]	U.M.	 Pieces per box
		A	B	C				
ACD600020	FILTER HOUSING IN INSULATED SHEET METAL, D. 150/200	397	270	246	150 / 200	150 / 200	PCS	1
ACD600021	FILTER HOUSING IN INSULATED SHEET METAL, D. 250	294	320	296	250	250	PCS	1
ACD600022	FILTER HOUSING IN INSULATED SHEET METAL, D. 300	294	420	396	300	300	PCS	1
ACD600023	FILTER HOUSING IN INSULATED SHEET METAL, Ø 350	294	370	346	350	350	PCS	1
ACD600024	FILTER HOUSING IN INSULATED SHEET METAL, D. 450	294	470	446	450	450	PCS	1

 **220V SINGLE PHASE SPEED  
REGULATOR**

The electronic speed regulator makes it possible to vary the air flow of the heat recovery element and of the barrier from 30% to 100% of its performance.

 **RÉGULATEUR DE VITESSE  
MONOPHASÉ 220 V**


Le régulateur de vitesse électronique permet de faire varier le débit d'air de l'unité de récupération de chaleur et de la barrière de 30% à 100% de ses performances.

 **DREHZAHLEGLER 220V  
EINPHASEN**

Mit dem elektronischen Drehzahlregler können Sie den Luftstrom der Wärmerückgewinnungseinheit und der Barriere von 30 % bis 100 % ihrer Leistung variieren.



**ATTENTION:**  
Only for Heat Recovery Unit "Evo",  
produced by 2017

CODE	DESCRIPTION	U.M.	 Pieces per box
12300100	SINGLE-PHASE 220V SPEED CONTROL MODEL 200 - 300 - 400 - 600	PCS	1
12300105	SINGLE-PHASE 220V SPEED CONTROL MODEL 800	PCS	1
12300110	SINGLE-PHASE 220V SPEED CONTROL MODEL 1000-1300	PCS	1
12300115	SINGLE-PHASE 220V SPEED CONTROL MODEL 1600-2100	PCS	1
12300120	SINGLE-PHASE 220V SPEED CONTROL MODEL 2500-3000	PCS	1

**Datasheet**



**PIPE IN EPS FOR MVHR Ø125 AND Ø160 L 1000 MM**

**TECHNICAL SPECIFICATIONS  
MODEL Ø125**

- Grey colour EPS insulated pipe
- Wall thickness: 15.5mm
- Weight: 0,41 kg
- Dimensions: 156 x 156 x 1002 mm
- internal Ø: 125 mm
- Temperature range -25 / +80 (C°)
- Maximum air flow: 275 m³/h
- Thermal resistance: 0.032 m²K/W

**MODEL Ø160**

- Grey colour EPS insulated pipe
- Wall thickness: 15.5mm
- Weight: 0,45 kg
- Dimensions: 191 x 191 x 1002 mm
- internal Ø: 160 mm
- Temperature range -25 / +80 (C°)
- Maximum air flow: 425 m³/h
- Thermal resistance: 0.032 m²K/W

**TUBE EPS POUR VMC Ø125 ET Ø160 L.1000 MM**

**CARACTÉRISTIQUES TECHNIQUES  
MODEL Ø125**

- Tube isolé EPS de couleur grise
- Épaisseur du mur : 15,5 mm
- Poids: 0,41 kg
- Dimensions: 156 x 156 x 1002 mm
- Ø intérieur: 125 mm
- Plage de température -25 / +80 (C°)
- Débit d'air maximum : 275 m³/h
- Résistance thermique : 0,032 m²K/W

**MODÈLE Ø160**

- Tube isolé EPS de couleur grise
- Épaisseur du mur : 15,5 mm
- Poids: 0,45 kg
- Dimensions: 191 x 191 x 1002 mm
- Ø intérieur: 160 mm
- Plage de température -25 / +80 (C°)
- Débit d'air maximum : 425 m³/h
- Résistance thermique : 0,032 m²K/W

**EPS-SCHLAUCH FÜR WRG-LÜFTUNG Ø125 UND Ø160 L.1000 MM**

**TECHNISCHE EIGENSCHAFTEN  
MODELL Ø125**

- EPS-isoliertes Rohr in grauer Farbe
- Wandstärke: 15,5 mm
- Gewicht: 0,41 kg
- Abmessungen: 156 x 156 x 1002 mm
- Ø Innendurchmesser: 125 mm
- Temperaturbereich: -25 / +80 (C°)
- Maximaler Luftdurchsatz: 275 m³/h
- Thermischer Widerstand: 0,032 m²K/W

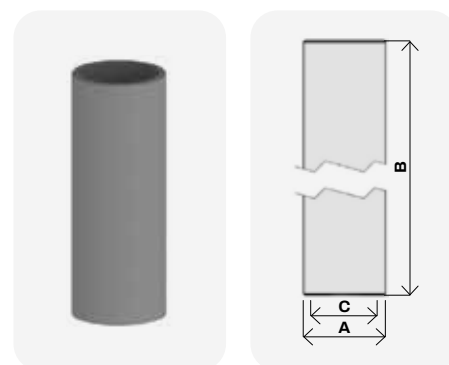
**MODELL Ø160**

- EPS-isoliertes Rohr in grauer Farbe
- Wandstärke: 15,5 mm
- Gewicht: 0,45 kg
- Abmessungen: 191 x 191 x 1002 mm
- Ø Innendurchmesser: 160 mm
- Temperaturbereich: -25 / +80 (C°)
- Maximaler Luftdurchsatz: 425 m³/h
- Thermischer Widerstand: 0,032 m²K/W

**Datasheet**



2 PCS/KIT



CODE	DESCRIPTION	DIMENSIONS [mm]			U.M.	Pieces per box
		AØ	B	C		
ACC600035	PIPE IN EPS FOR MVHR Ø125 L.1000	156	1002	125	PCS	1
ACC600036	PIPE IN EPS FOR MVHR Ø160 L.1000	191	1002	160	PCS	1

**90° ELBOW IN EPS FOR MVHR Ø125 / Ø160**

**TECHNICAL SPECIFICATIONS  
MODEL Ø125**

- Grey colour EPS insulated elbow
- Wall thickness: 15.5mm
- Weight: 0,2 kg
- Dimensions: 278 x 156 x 278 mm
- internal Ø: 125 mm
- Temperature range -25 / +80 (C°)
- Maximum air flow: 275 m³/h
- Thermal resistance: 0.032 m²K/W

**MODEL Ø160**

- Grey colour EPS insulated elbow
- Wall thickness: 15.5mm
- Weight: 0,24 kg
- Dimensions: 295 x 191 x 295 mm
- internal Ø: 160 mm
- Temperature range -25 / +80 (C°)
- Maximum air flow: 425 m³/h
- Thermal resistance: 0.032 m²K/W

**COURBE À 90° EN EPS POUR VMC Ø125 / Ø160**

**CARACTÉRISTIQUES TECHNIQUES  
MODEL Ø125**

- Courbe isolée en EPS gris
- Épaisseur du mur : 15,5 mm
- Poids: 0,2 kg
- Dimensions: 278 x 156 x 278 mm
- Ø intérieur: 125 mm
- Plage de température -25 / +80 (C°)
- Débit d'air maximum : 275 m³/h
- Résistance thermique : 0,032 m²K/W

**MODEL Ø160**

- Courbe isolée en EPS gris
- Épaisseur du mur : 15,5 mm
- Poids: 0,24 kg
- Dimensions: 295 x 191 x 295 mm
- Ø intérieur: 160 mm
- Plage de température -25 / +80 (C°)
- Débit d'air maximum : 425 m³/h
- Résistance thermique : 0,032 m²K/W

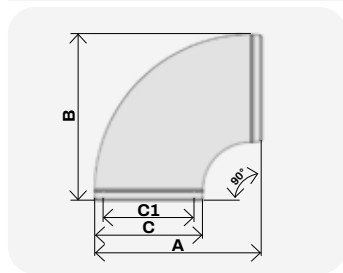
**90° WINKELSTÜCK AUS EPS FÜR KWL-LÜFTUNG Ø125 / Ø160**

**TECHNISCHE EIGENSCHAFTEN  
MODELL Ø125**

- EPS-isolierte Kurve in grauer Farbe
- Wandstärke: 15,5 mm
- Gewicht: 0,2 kg
- Abmessungen: 278 x 156 x 278 mm
- Ø Innendurchmesser: 125 mm
- Temperaturbereich: -25 / +80 (C°)
- Maximaler Luftdurchsatz: 275 m³/h
- Thermischer Widerstand: 0,032 m²K/W

**MODELL Ø160**

- EPS-isolierte Kurve in grauer Farbe
- Wandstärke: 15,5 mm
- Gewicht: 0,24 kg
- Abmessungen: 295 x 191 x 295 mm
- Ø Innendurchmesser: 160 mm
- Temperaturbereich: -25 / +80 (C°)
- Maximaler Luftdurchsatz: 425 m³/h
- Thermischer Widerstand: 0,032 m²K/W



2 PCS/KIT

**Datasheet**



CODE	DESCRIPTION	DIMENSIONS [mm]				U.M.	Pieces per box
		A	B	CØ	C1Ø		
ACC600037	90° ELBOW IN EPS FOR MVHR Ø125	278	278	156	125	PCS	1
ACC600038	90° ELBOW IN EPS FOR MVHR Ø160	295	295	191	160	PCS	1



### 45° ELBOW IN EPS FOR MVHR Ø125 / Ø160

#### TECHNICAL SPECIFICATIONS MODEL Ø125

- Grey colour EPS insulated elbow
- Wall thickness: 15.5mm
- Weight: 0,15 kg
- Dimensions: 189 x 156 x 196 mm
- internal Ø: 125 mm
- Temperature range -25 / +80 (C°)
- Maximum air flow: 275 m³/h
- Thermal resistance: 0.032 m²K/W

#### MODEL Ø160

- Grey colour EPS insulated elbow
- Wall thickness: 15.5mm
- Weight: 0,18 kg
- Dimensions: 218 x 191 x 208 mm
- internal Ø: 160 mm
- Temperature range -25 / +80 (C°)
- Maximum air flow: 425 m³/h
- Thermal resistance: 0.032 m²K/W



### COURBE À 45° EN EPS POUR VMC Ø125 / Ø160

#### CARACTÉRISTIQUES TECHNIQUES MODEL Ø125

- Courbe isolée en EPS gris
- Épaisseur du mur : 15,5 mm
- Poids: 0,15 kg
- Dimensions: 189 x 156 x 196 mm
- Ø intérieur: 125 mm
- Plage de température -25 / +80 (C°)
- Débit d'air maximum : 275 m³/h
- Résistance thermique : 0,032 m²K/W

#### MODEL Ø160

- Courbe isolée en EPS gris
- Épaisseur du mur : 15,5 mm
- Poids: 0,18 kg
- Dimensions: 218 x 191 x 208 mm
- Ø intérieur: 160 mm
- Plage de température -25 / +80 (C°)
- Débit d'air maximum : 425 m³/h
- Résistance thermique : 0,032 m²K/W



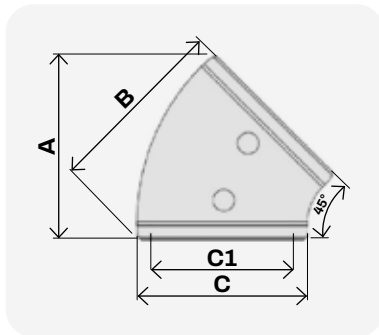
### 45° WINKELSTÜCK AUS EPS FÜR WRG-LÜFTUNG Ø125 / Ø160

#### TECHNISCHE EIGENSCHAFTEN MODELL Ø125

- EPS-isolierte Kurve in grauer Farbe
- Wandstärke: 15,5 mm
- Gewicht: 0,15 kg
- Abmessungen: 189 x 156 x 196 mm
- Ø Innendurchmesser: 125 mm
- Temperaturbereich: -25 / +80 (C°)
- Maximaler Luftdurchsatz: 275 m³/h
- Thermischer Widerstand: 0,032 m²K/W

#### MODELL Ø160

- EPS-isolierte Kurve in grauer Farbe
- Wandstärke: 15,5 mm
- Gewicht: 0,18 kg
- Abmessungen: 218 x 191 x 208 mm
- Ø Innendurchmesser: 160 mm
- Temperaturbereich: -25 / +80 (C°)
- Maximaler Luftdurchsatz: 425 m³/h
- Thermischer Widerstand: 0,032 m²K/W



2 PCS/KIT

Datasheet



CODE	DESCRIPTION	DIMENSIONS [mm]				U.M.	Pieces per box
		A	B	CØ	C1Ø		
ACC600039	45° ELBOW IN EPS FOR MVHR Ø125	196	196	156	125	PCS	1
ACC600040	45° ELBOW IN EPS FOR MVHR Ø160	208	208	191	160	PCS	1



### EPS COUPLING SLEEVE FOR MVHR Ø125 / Ø160

#### TECHNICAL SPECIFICATIONS MODEL Ø125

- Grey colour EPS sleeve
- internal Ø: 125 mm

#### MODEL Ø160

- Grey colour EPS sleeve
- internal Ø: 125 mm



### MANCHON DE RACCORDEMENT EPS POUR VMC Ø125 / Ø160

#### CARACTÉRISTIQUES TECHNIQUES MODEL Ø125

- Manchon EPS de couleur grise
- Ø intérieur: 125 mm

#### MODEL Ø160

- Manchon EPS de couleur grise
- Ø intérieur: 125 mm



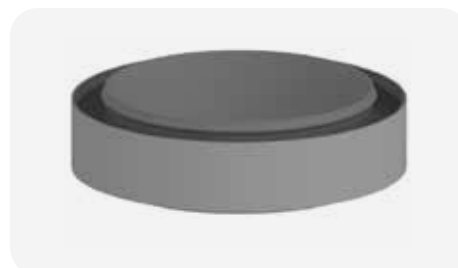
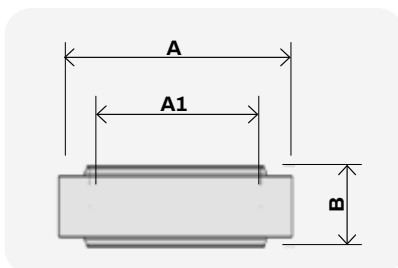
### VERBINDUNGSMUFFE EPS FÜR WRG-LÜFTUNG Ø125 / Ø160

#### TECHNISCHE EIGENSCHAFTEN MODELL Ø125

- EPS-Hülle in grauer Farbe
- Ø Innendurchmesser: 125 mm

#### MODELL Ø160

- EPS-Hülle in grauer Farbe
- Ø Innendurchmesser: 125 mm



2 PCS/KIT

Datasheet



CODE	DESCRIPTION	DIMENSIONS [mm]			U.M.	Pieces per box
		AØ	A1Ø	B		
ACC600041	SLEEVE FOR PIPE IN EPS Ø125	162	119	56	PCS	1
ACC600042	SLEEVE FOR PIPE IN EPS Ø160	197	154	56	PCS	1



**ROUND FLEXIBLE HOSE  
AIR INLET ANTI-STATIC,  
ANTIBACTERIAL WHITE  
COLOUR**

**TECHNICAL SPECIFICATIONS**

- Double-walled hose, smooth interior with antistatic, antibacterial and antifungal additives
- Corrugated outer wall with extra protection against UV rays
- White with high protection against UV rays
- Resistance to compression greater than 450N, according to standards EN61386-1/2008 and EN61386-2-4/2010, with 5% internal diameter deformation
- Limitations of use: -20°C / +60°C
- Reaction to fire classification: Euroclass E (UNI EN13501)
- Minimum bending radius: four times the outer diameter



**TUYAU ROND ENTRÉE  
D'AIR ANTISTATIQUE,  
ANTIBACTÉRIEN DE  
COULEUR BLANCHE**

**CARACTÉRISTIQUES TECHNIQUES**

- Tube à double paroi, intérieur lisse réalisé avec des additifs anti-statiques, antibactériens et anti-fongiques
- Paroi extérieure ondulée construite avec une protection supplémentaire UV
- Couleur blanche à haute protection UV
- Résistance à l'écrasement supérieure à 450N selon les normes EN61386-1/2008 et EN61386-2-4/2010 avec une déformation de 5 % du diamètre interne
- Limites d'utilisation : -20°C / +60°C
- Classification et réaction au feu : Euroclasse E (UNI EN13501).
- Rayon de courbure minimal: quatre fois le diamètre extérieur



**ANTISTATISCHER,  
ANTIBAKTERIELLER, WEISSER,  
FLEXIBLER, RUNDER  
LUFTEINLASSSCHLAUCH**

**TECHNISCHE EIGENSCHAFTEN**

- Doppelwandiges Rohr, innen glatt, konstruiert mit antistatischen, antibakteriellen und antimykotischen Zusätzen
- Gewellte Außenwand mit zusätzlichem UV-Schutz konstruiert
- Farbe Weiß mit hohem UV-Schutz
- Quetschfestigkeit größer als 450N nach EN61386-1/2008 und EN61386-2-4/2010 mit 5% Innendurchmesserverformung
- Einsatzgrenzen: -20°C / +60°C
- Klassifizierung und Brandverhalten: Euroklasse E (UNI EN13501)
- Min. Krümmungsradius: viermal der äußere Durchmesser



**IDEAL FOR**

- Intake systems
- Natural ventilation
- Mechanical ventilation heat recovery system (MVHR)
- Humidity control
- Heat exchange
- Air conditioning

**Reaction to fire classification:  
Euroclass E (UNI EN 13501)**

CODE	DESCRIPTION	LENGTH [m]	Ø INNER [mm]	Ø OUTER [mm]	U.M.	Pieces per box
ACC600021	ANTISTATIC, ANTIBACTERIAL, AIR INLET FLEXIBLE ROUND HOSE, D. 75 - WHITE	50	60	75	PCS	1
ACC600022	ANTISTATIC, ANTIBACTERIAL, AIR INLET FLEXIBLE ROUND HOSE, D. 92 -WHITE	50	73	92	PCS	1

**Datasheet**



**EXPANDED POLYETHYLENE  
PIPE FOR ACOUSTIC  
INSULATION FOR Ø75 AND  
Ø92 PIPES**

**TECHNICAL SPECIFICATIONS**

- Made of polyethylene
- Thickness 5 mm
- Maximum sound insulation result
- Extremely easy to install
- Pipe length 15 m
- Pre cuts about every 3 m



**TUYAU EN POLYÉTHYLÈNE  
EXPANSÉ POUR ISOLATION  
ACOUSTIQUE POUR  
TUYAUTERIES Ø75 ET Ø92**

**CARACTÉRISTIQUES TECHNIQUES**

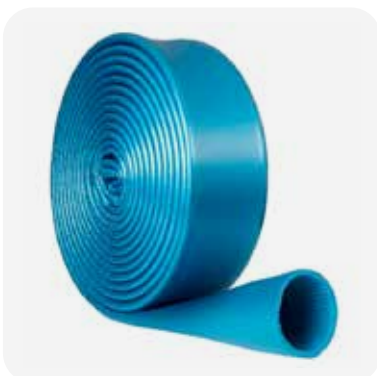
- Fabriqué en polyéthylène
- Épaisseur 5 mm
- Résultat d'isolation acoustique maximal
- Extrêmement facile à installer
- Longueur du tuyau 15 m
- Pré coupes environ tous les 3 m



**POLYETHYLENSCHAUMROHR  
ZUR SCHALLDÄMMUNG FÜR  
Ø75 UND Ø92 ROHRE**

**TECHNISCHE EIGENSCHAFTEN**

- Aus Polyethylen
- Dicke 5 mm
- Maximales Ergebnis der Schalldämmung
- Extrem einfache Installation
- Rohrlänge 15 m
- Vor Schnitten ca. alle 3 m



CODE	DESCRIPTION	U.M.	Pieces per box
ACC600033	EXPANDED POLYETHYLENE PIPE FOR ACOUSTIC INSULATION Ø75 (15m)	PCS	1
ACC600034	EXPANDED POLYETHYLENE PIPE FOR ACOUSTIC INSULATION Ø92 (15m)	PCS	1

**Datasheet**



 HOSE CONNECTOR FOR CASSETTE AND PLENUM Ø75 MM AND Ø92 MM

 CONNECTEUR DE TUYAU POUR CAISSON ET PLENUM Ø75 MM ET Ø92 MM

 SCHLAUCHANSCHLUSS FÜR KASTEN UND ANSCHLUSSKASTEN Ø75 MM UND Ø92 MM



Possibility of installation on customized plenum in PAL

CODE	DESCRIPTION	U.M.	 Pieces per box
30100120	COMPLETE CONNECTOR D.75	PCS	1
30100200	COMPLETE CONNECTOR D.92	PCS	1

Datasheet



 DIAPHRAGM FOR DISTRIBUTION BOX

 MEMBRANE POUR BOÎTE DE DISTRIBUTION

 MEMBRAN FÜR VERTEILERKASTEN



CODE	DESCRIPTION	U.M.	 Pieces per box
30100090	DIAPHRAGM FOR MANIFOLD BOX	PCS	1

Datasheet




 AIR INLET FLEXIBLE HOSE SLEEVE

 MANCHON POUR TUBE FLEXIBLE ENTRÉE AIR

 MUFFE FÜR LUFTEINLASSSCHLAUCH



CODE	DESCRIPTION	U.M.	 Pieces per box
30100130	SLEEVE Ø 75 FOR FLEXIBLE HOSE	PCS	1
30100210	SLEEVE Ø 92 FOR FLEXIBLE HOSE	PCS	1

Datasheet




 DUST CAP

 BOUCHON ANTI-POUSSIÈRE

 STAUBSCHUTZKAPPE



CODE	DESCRIPTION	U.M.	 Pieces per box
30100160	DUST-COVER D.75	PCS	1
30100170	DUST-COVER FOR CONNECTOR D.75	PCS	1
30100250	DUST-COVER D. 92	PCS	1

Datasheet




 90° ELBOW CURVE

 COURBE À COUDE À 90°

 90°-KURVE



90° Curve with connection for corrugated pipes, with sealing hooks and o-ring seals.

CODE	DESCRIPTION	U.M.	 Pieces per box
30100180	BEND 90° D.75	PCS	1
30100260	BEND 90° D.92	PCS	1

Datasheet




 90° ELBOW CURVE FOR FLOOR FOR FLOOR

 COURBE À COUDE À 90° POUR SOL

 90°KURVE FÜR BODEN



90° Curve with connection for corrugated pipes, to be positioned on the floor, with sealing hooks and o-ring seals.

CODE	DESCRIPTION	U.M.	 Pieces per box
30100270	90° BEND FOR FLOOR D.92	PCS	1

Datasheet




 90° FITTING FOR Ø 75 FLEXIBLE HOSE AND GRID

 RACCORD 90° POUR TUBE FLEXIBLE Ø 75 ET GRILLE

 90°-VERSCHRAUBUNG FÜR Ø 75 SCHLAUCH UND GITTER



90° connection for distribution terminal including connection plate, sealing hooks and dust plugs.

CODE	DESCRIPTION	U.M.	 Pieces per box
30100140	90° FITTING D.75	PCS	1

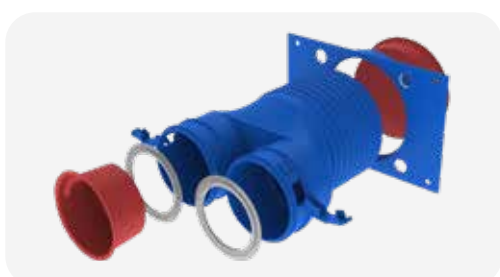
Datasheet




 STRAIGHT FITTING FOR FLEXIBLE HOSE Ø 75 AND GRID

 RACCORD DROIT POUR TUBE FLEXIBLE Ø 75 ET GRILLE

 GERADE VERSCHRAUBUNG FÜR SCHLAUCH Ø 75 UND GITTER



Straight fitting for grid connection, including plugs, sealing hooks and connecting plate.

CODE	DESCRIPTION	U.M.	 Pieces per box
30100150	STRAIGHT FITTING FOR FLEXIBLE HOSE Ø 75 AND GRID	PCS	1

Datasheet



 90° FITTING FOR Ø 90 FLEXIBLE HOSE AND GRID


 RACCORD 90° POUR TUBE FLEXIBLE Ø 90 ET GRILLE

 90°-VERSCHRAUBUNG FÜR Ø 90 SCHLAUCH UND GITTER




90° connection for flexible corrugated pipes for connection to the grid. Complete with sealing hooks and connection plate.

**Datasheet**

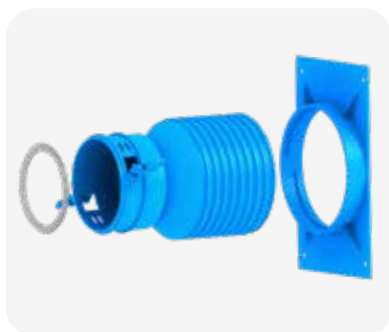
CODE	DESCRIPTION	U.M.	 Pieces per box
30100220	FITTING 90° D.92	PCS	1



 STRAIGHT FITTING FOR FLEXIBLE HOSE Ø 92 AND GRID


 RACCORD DROIT POUR TUBE FLEXIBLE Ø 92 ET GRILLE

 GERADE VERSCHRAUBUNG FÜR SCHLAUCH Ø 92 UND GITTER



Straight fitting for flexible corrugated pipes for connection to the grid. Complete with sealing hooks and connection plate.

**Datasheet**

CODE	DESCRIPTION	U.M.	 Pieces per box
30100240	STRAIGHT FITTING FOR HOSE D. 92 AND GRILLE	PCS	1



 OVAL AIR INLET FLEXIBLE HOSE

 FLEXIBLE OVALE ENTRÉE D'AIR

 FLEXIBLER OVALER LUFTEIN-  
LASSSCHLAUCH

**TECHNICAL SPECIFICATIONS**

- Double-walled HDPE corrugated hose
- Antistatic
- Sub-track installation

**CARACTÉRISTIQUES TECHNIQUES**

- Tuyau ondulé en PEHD à double paroi
- Antistatique
- Installation sous gaine


**TECHNISCHE EIGENSCHAFTEN**

- Doppelwandiger HDPE-Wellschlauch
- Antistatisch
- Montage unter Putz



NOTE: The transport costs are totally charged to the customer

**Datasheet**

CODE	DESCRIPTION	U.M.	 Pieces per box
30101010	OVAL FLEXIBLE HOSE FOR AIR INLET 120X35	PCS	1




 OVAL FLEXIBLE HOSE CONNECTOR FOR AIR INLET

 CONNECTEUR POUR TUYAU OVALE FLEXIBLE D'ENTRÉE D'AIR

 ANSCHLUSS FÜR OVALEN SCHLAUCH LUFTEINLASS



**Datasheet**

CODE	DESCRIPTION	U.M.	 Pieces per box
30101030	SLEEVE FOR FLEXIBLE OVAL HOSE AT AIR INLET	PCS	1





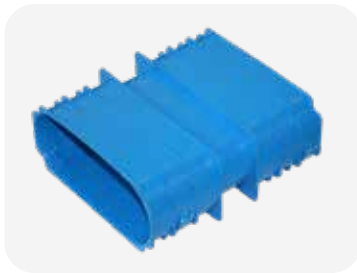
COUPLING SLEEVE FOR OVAL FLEXIBLE HOSE




MANCHON DE RACCORDEMENT POUR TUBE FLEXIBLE OVALE



VERBINDUNGSMUFFE FÜR OVALEN SCHLAUCH



Datasheet

CODE	DESCRIPTION	U.M.	 Pieces per box
30101040	SLEEVE FOR FLEXIBLE OVAL HOSE AT AIR INLET	PCS	1



HORIZONTAL OVAL ELBOW CURVE



COURBE À COUDE OVALE HORIZONTALE




HORIZONTALE OVALE KURVE



90° Curve with connection for corrugated pipes, with sealing hooks and o-ring seals.

Datasheet

CODE	DESCRIPTION	U.M.	 Pieces per box
30101050	HORIZONTAL OVAL ELBOW CURVE	PCS	1



VERTICAL OVAL ELBOW CURVE



COURBE À COUDE OVALE VERTICALE




VERTIKALE OVALE KURVE



90° Curve with connection for corrugated pipes, with sealing hooks and o-ring seals.

Datasheet

CODE	DESCRIPTION	U.M.	 Pieces per box
30101060	VERTICAL OVAL ELBOW CURVE	PCS	1



90° CONNECTION FOR OVAL FLEXIBLE HOSE AND GRID



RACCORD À 90° POUR TUBE FLEXIBLE OVALE ET GRILLE




90°-VERSCHRAUBUNG FÜR OVALEN SCHLAUCH UND GITTER



90° curve for oval flexible hose. Complete with sealing hooks and o-rings.

Datasheet

CODE	DESCRIPTION	U.M.	 Pieces per box
30101070	90° ELBOW FITTING FOR OVAL HOSING AND GRILLE	PCS	1



 ROUND/OVAL FITTING FOR AIR INLET FLEXIBLE HOSE

 RACCORD ROND/OVALE POUR TUBE FLEXIBLE ENTRÉE AIR

 RUNDE/OVALE VERSCHRAUBUNG FÜR LUFTEINLASSSCHLAUCH



Adapter for connection of oval flexible hose and round flexible hose (Ø92/75). Complete with sealing hooks.

CODE	DESCRIPTION	U.M.	 Pieces per box
30101080	ROUND-OVAL ADAPTOR FOR FLEXIBLE AIR-INLET HOSE	PCS	1
ACC600043	ROUND-OVAL FITTING FOR AIR INLET FLEXIBLE HOSE Ø75 MM	PCS	1

**Datasheet**




 OVAL GASKET IN EPDM

 JOINT OVALE EN EPDM

 OVALE DICHTUNG AUS EPDM

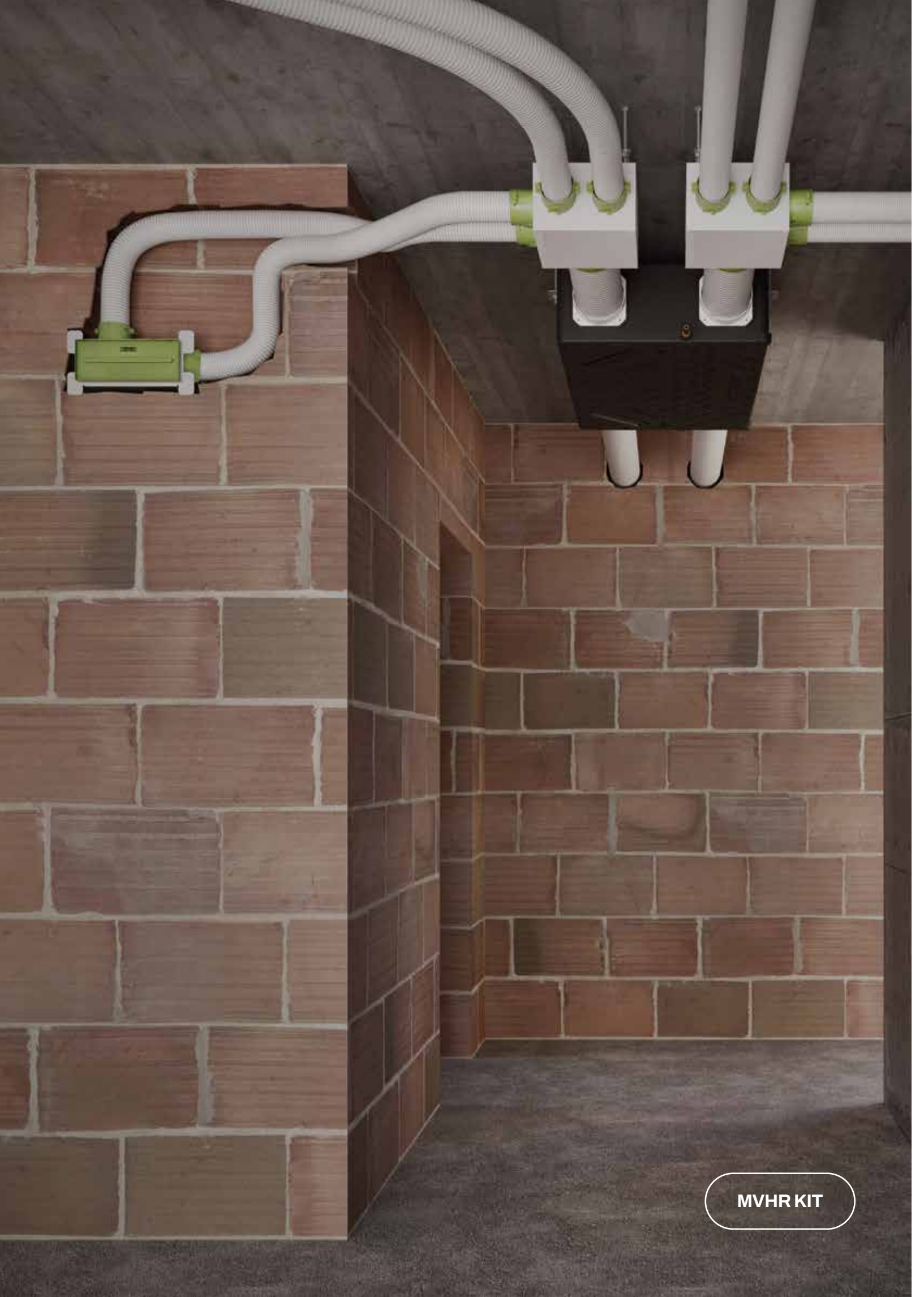


Oval hose seal gasket for flexible tubes made of EPDM.

CODE	DESCRIPTION	U.M.	 Pieces per box
30101100	OVAL GASKET IN EPDM	PCS	1

**Datasheet**





MVHR KIT

 DELIVERY/INTAKE BOX IN PAL  
FOR CUSTOM MVHR

 BOÎTE DE DISTRIBUTION  
/ RÉCUPÉRATION EN PAL  
POUR VMC SUR MESURE

 VERTEILER-/RÜCKFÜHRKA-  
STEN AUS PAL FÜR CMB AUF  
MASS

 MADE IN ITALY



Insulation 20 mm

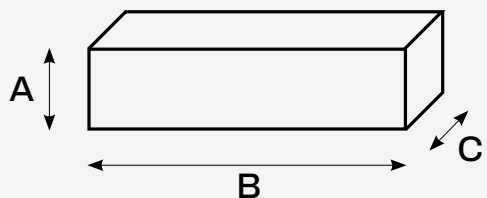
Custom made

The plenum can be equipped with collars.  
The costs of the collars is to charge extra.  
When placing the order, please indicate clearly  
you need the collars providing the quantity  
and where to install them.

Confirm the external dimensions of the plenum  
(A x B x C).  
Please consider always the 20 mm thickness  
of the PAL panel.



Apply.Co



### EXAMPLE OF PLENUM EQUIPPED WITH COLLARS IN ALUMINIUM



CODE	DESCRIPTION	INTERNAL HEIGHT A [mm]	INTERNAL WIDTH B [mm]	DEPTH C [mm]	NO.OF OUTPUTS	U.M.	 Pieces per box
30100042	PLÉNUM IN PAL - 300X1200X280	Up to 300	Up to 1000	260 fixed	Up to 6 outputs*	PCS	1
30100044	PLÉNUM IN PAL - 400X1200X280	Up to 400	Up to 1200	260 fixed	Up to 12 outputs*	PCS	1
30100046	PLÉNUM IN PAL 1300X1500X280	Up to 400	Up to 1500	260 fixed	Up to 18 outputs*	PCS	1

Datasheet



\* The quantity of collars varies according to the dimensions of the plenum itself and to the kind of collar you choose.



**GALVANISED METAL SHEET  
SOUNDPROOFED PLENUM  
4-6-8-10-12 OUTPUTS Ø  
75 WITH CONNECTORS  
COMPLETE WITH CALIBRATION  
DAMPER WITH ADJUSTMENT**

**TECHNICAL SPECIFICATIONS**

- Made of galvanized metal sheet
- High sound insulation
- Internal sound absorber thickness 20mm
- Removable soundproofing septa
- Complete with brackets for ceiling mounting
- Output/input collars as per table
- Sleeves complete with calibration damper with graduated adjustment by screwdriver



**PLENUM INSONORISEN  
EN TÔLE ZINGUÉE 4-6-8-  
10-12 SORTIES Ø 75 AVEC  
CONNECTEURS DOTÉS DE  
REGISTRE D'ÉTALLONAGE  
AVEC RÉGLAGE**

**CARACTÉRISTIQUES TECHNIQUES**

- Fabriquée en tôle galvanisée
- Isolation acoustique élevée
- Insonorisant intérieur épaisseur 20mm
- Septums insonorisants amovibles
- Complet avec supports de montage au plafond
- Colliers de sortie/entrée selon tableau
- Manchons de serrage d'étalonnage avec réglage gradué par tournevis

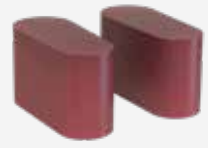


**SCHALL GEDÄMMTES  
PLENUM AUS VERZINKTEM  
BLECH 4-6-8-10-12  
AUSGÄNGE Ø 75 MIT STECK  
VERBINDERN, KOMPLETT  
MIT KALIBRIERKLAPPE MIT  
REGULIERUNG**

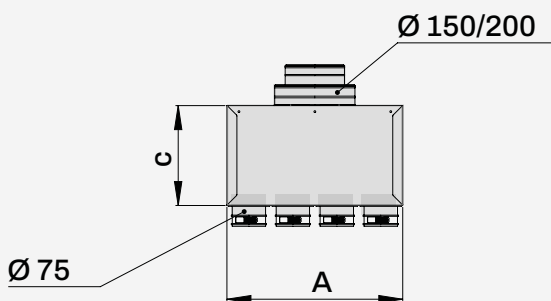
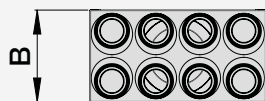
**TECHNISCHE EIGENSCHAFTEN**

- Aus verzinktem Blech
- Hohe Schalldämmung
- Schalldämpfende Innenwandstärke 20mm
- Abnehmbare schallabsorbierende wände
- Komplett mit Halterungen für Deckenmontage
- Halsbänder Ausgang/Eingang gemäss Tabelle
- Komplett mit Justierklappe mit Schraubendreherregulierung

**MADE IN ITALY**



Removable soundproofing septa



CODE	DIMENSIONS [mm]		
	A	B	C
ACD600121	360	240	500
ACD600122	360	240	500
ACD600123	660	240	500
ACD600124	660	240	500
ACD600125	660	240	500
ACD600126	360	240	500
ACD600127	360	240	500

**Datasheet**



CODE	DESCRIPTION	INPUT Ø [mm]	U.M.	Pieces per box
ACD600121	PLÉNUM MADE OF GALVANIZED SHEET METAL Ø 75 - 4 OUTLETS 150/200	150 / 200	PCS	1
ACD600122	PLÉNUM MADE OF GALVANIZED SHEET METAL Ø 75 - 6 OUTLETS 150/200	150 / 200	PCS	1
ACD600123	PLÉNUM MADE OF GALVANIZED SHEET METAL Ø 75 - 8 OUTLETS 150/200	150 / 200	PCS	1
ACD600124	PLÉNUM MADE OF GALVANIZED SHEET METAL Ø 75 - 10 OUTLETS 150/200	150 / 200	PCS	1
ACD600125	PLÉNUM MADE OF GALVANIZED SHEET METAL Ø 75 - 12 OUTLETS 150/200	150 / 200	PCS	1
ACD600126	PLÉNUM MADE OF GALVANIZED SHEET METAL Ø 75 - 4 OUTLETS 100 / 125 / 150	100 / 125 / 150	PCS	1
ACD600127	PLÉNUM MADE OF GALVANIZED SHEET METAL Ø 75 - 6 OUTLETS 100 / 125 / 150	100 / 125 / 150	PCS	1



**GALVANISED METAL SHEET  
SOUNDPROOFED PLENUM  
4-6-8-10-12 OUTPUTS Ø  
90 WITH CONNECTORS  
COMPLETE WITH CALIBRATION  
DAMPER WITH ADJUSTMENT**

**TECHNICAL SPECIFICATIONS**

- Made of galvanized metal sheet
- High sound insulation
- Internal sound absorber thickness 20mm
- Removable soundproofing septa
- Complete with brackets for ceiling mounting
- Output/input collars as per table
- Sleeves complete with calibration damper with graduated adjustment by screwdriver



**PLENUM INSONORISEN  
EN TÔLE ZINGUÉE 4-6-8-  
10-12 SORTIES Ø 90 AVEC  
CONNECTEURS DOTÉS DE  
REGISTRE D'ÉTALLONAGE  
AVEC RÉGLAGE**

**CARACTÉRISTIQUES TECHNIQUES**

- Fabriquée en tôle galvanisée
- Isolation acoustique élevée
- Insonorisant intérieur épaisseur 20mm
- Septums insonorisants amovibles
- Complet avec supports de montage au plafond
- Colliers de sortie/entrée selon tableau
- Manchons de serrage d'étalonnage avec réglage gradué par tournevis



**SCHALL GEDÄMMTES  
PLENUM AUS VERZINKTEM  
BLECH 4-6-8-10-12  
AUSGÄNGE Ø 90 MIT STECK  
VERBINDERN, KOMPLETT  
MIT KALIBRIERKLAPPE MIT  
REGULIERUNG**

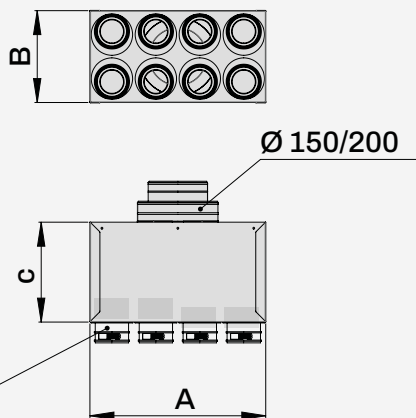
**TECHNISCHE EIGENSCHAFTEN**

- Aus verzinktem Blech
- Hohe Schalldämmung
- Schalldämpfende Innenwandstärke 20mm
- Abnehmbare schallabsorbierende Wände
- Komplett mit Halterungen für Deckenmontage
- Halsbänder Ausgang/Eingang gemäss Tabelle
- Komplett mit Justierklappe mit Schraubendreherregulierung

**MADE IN ITALY**



Removable soundproofing septa



CODE	DIMENSIONS [mm]		
	A	B	C
ACD600128	360	240	500
ACD600129	360	240	500
ACD600130	660	240	500
ACD600131	660	240	500
ACD600132	660	240	500
ACD600133	360	240	500
ACD600134	360	240	500

**Datasheet**



CODE	DESCRIPTION	INPUT Ø [mm]	U.M.	Pieces per box
ACD600128	PLÉNUM MADE OF GALVANIZED SHEET METAL Ø 90 - 4 OUTLETS 150/200	150 / 200	PCS	1
ACD600129	PLÉNUM MADE OF GALVANIZED SHEET METAL Ø 90 - 6 OUTLETS 150/200	150 / 200	PCS	1
ACD600130	PLÉNUM MADE OF GALVANIZED SHEET METAL Ø 90 - 8 OUTLETS 150/200	150 / 200	PCS	1
ACD600131	PLÉNUM MADE OF GALVANIZED SHEET METAL Ø 90 - 10 OUTLETS 150/200	150 / 200	PCS	1
ACD600132	PLÉNUM MADE OF GALVANIZED SHEET METAL Ø 90 - 12 OUTLETS 150/200	150 / 200	PCS	1
ACD600133	PLÉNUM MADE OF GALVANIZED SHEET METAL Ø 90 - 4 OUTLETS 100 / 125 / 150	100 / 125 / 150	PCS	1
ACD600134	PLÉNUM MADE OF GALVANIZED SHEET METAL Ø 90 - 6 OUTLETS 100 / 125 / 150	100 / 125 / 150	PCS	1



**INSULATED BOX IN METAL SHEET FOR FLEXIBLE DUCTED PIPE 2 - 3 - 4 - 5 OUTPUTS Ø 150**

**TECHNICAL SPECIFICATIONS**

- Made of galvanized metal sheet
- External insulation in 3 mm thick polyethylene
- Air inlet collar with double diameter with hose connection Ø 150 - 200
- Outgoing collars as shown in the table
- Complete with brackets for ceiling mounting



**BOÎTE EN TÔLE ISOLÉE POUR TUYAU CANALISÉ FLEXIBLE 2 - 3 - 4 - 5 SORTIES Ø 150**

**CARACTÉRISTIQUES TECHNIQUES**

- Fabriqué en tôle galvanisée
- Isolation externe en polyéthylène de 3 mm d'épaisseur
- Collier d'entrée d'air à double diamètre avec raccord pour tuyaux Ø 150 - 200
- Colliers sortants comme indiqué dans le tableau
- Dotés de supports pour montage au plafond



**ISOLIERTER BLECHKASTEN FÜR KANALISIERTEN SCHLAUCH 2 - 3 - 4 - 5 AUSGÄNGE Ø 150**

**TECHNISCHE EIGENSCHAFTEN**

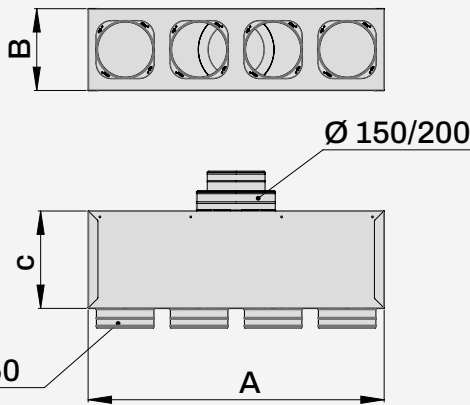
- Aus verzinktem Blech
- Außendämmung aus 3 mm starkem Polyethylen
- Lufteinlassschelle mit doppeltem Durchmesser mit Rohranschluss Ø 150 - 200
- Schellen am Ausgang laut Tabelle
- Komplett mit Halterungen für Deckenmontage

**MADE IN ITALY**

**EXAMPLE PLENUM 8 OUTPUTS**



\* Lateral or upper inlet on request



CODE	DIMENSIONS [mm]		
	A	B	C
ACD600001	380	210	250
ACD600002	570	210	250
ACD600003	760	210	250
ACD600004	950	210	250

**Datasheet**



CODE	DESCRIPTION	INPUT Ø [mm]	OUTPUT N° - [mm]	U.M.	Pieces per box
ACD600001	PLÉNUM FOR FLEXIBLE HOSE WITH 2 OUTLETS, Ø150	150 / 200	2 - 150	PCS	1
ACD600002	PLÉNUM FOR FLEXIBLE HOSE WITH 3 OUTLETS, Ø150	150 / 200	3 - 150	PCS	1
ACD600003	PLÉNUM FOR FLEXIBLE HOSE WITH 4 OUTLETS, Ø150	150 / 200	4 - 150	PCS	1
ACD600004	PLÉNUM FOR FLEXIBLE HOSE WITH 5 OUTLETS, Ø150	150 / 200	5 - 150	PCS	1



**INSULATED BOX IN METAL SHEET FOR FLEXIBLE DUCTED PIPE 4 - 6 - 8 - 10 - 12 OVAL OUTPUTS 120 X 35**

**TECHNICAL SPECIFICATIONS**

- Made of galvanized metal sheet
- External insulation in 3 mm thick polyethylene
- Air inlet collar with double diameter with hose connection Ø 150 - 200
- Outgoing collars as shown in the table
- Complete with brackets for ceiling mounting



**BOÎTE EN TÔLE ISOLÉE POUR TUYAU CANALISÉ FLEXIBLE 4 - 6 - 8 - 10 - 12 SORTIES OVALES 120 X 35**

**CARACTÉRISTIQUES TECHNIQUES**

- Fabriqué en tôle galvanisée
- Isolation externe en polyéthylène de 3 mm d'épaisseur
- Collier d'entrée d'air à double diamètre avec raccord pour tuyaux Ø 150 - 200
- Colliers sortants comme indiqué dans le tableau
- Dotés de supports pour montage au plafond



**ISOLIERTER BLECHKASTEN FÜR KANALISIERTEN SCHLAUCH 4 - 6 - 8 - 10 - 12 OVALE AUSGÄNGE 120 X 35**

**TECHNISCHE EIGENSCHAFTEN**

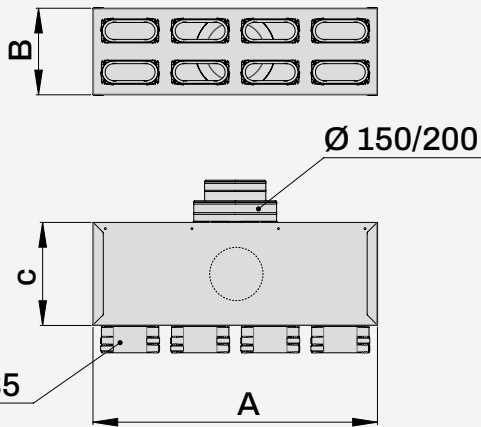
- Aus verzinktem Blech
- Außendämmung aus 3 mm starkem Polyethylen
- Lufteinlassschelle mit doppeltem Durchmesser mit Rohranschluss Ø 150 - 200
- Schellen am Ausgang laut Tabelle
- Komplett mit Halterungen für Deckenmontage

**MADE IN ITALY**

**EXAMPLE PLENUM 8 OUTPUTS**



\* Lateral or upper inlet on request



CODE	DIMENSIONS [mm]		
	A	B	C
ACD600007	350	210	250
ACD600010	520	210	250
ACD600013	690	210	250
ACD600016	860	210	250
ACD600019	1030	210	250

**Datasheet**



CODE	DESCRIPTION	INPUT Ø [mm]	U.M.	Pieces per box
ACD600007	PLÉNUM FOR FLEXIBLE HOSE WITH 4 OVAL OUTLETS 120X35	150 / 200	PCS	1
ACD600010	PLÉNUM FOR FLEXIBLE HOSE WITH 6 OVAL OUTLETS 120X35	150 / 200	PCS	1
ACD600013	PLÉNUM FOR FLEXIBLE HOSE WITH 8 OVAL OUTLETS 120X35	150 / 200	PCS	1
ACD600016	PLÉNUM FOR FLEXIBLE HOSE WITH 10 OVAL OUTLETS 120X35	150 / 200	PCS	1



**INSULATED DISTRIBUTION PLENUM FOR MVHR FOR FLEXIBLE DUCTED HOSE 4-6-8-10-12 OUTPUTS Ø 75 WITH SLEEVES COMPLETE WITH CALIBRATION DAMPER WITH ADJUSTMENT**

**TECHNICAL SPECIFICATIONS**

- Made of galvanized metal sheet
- 3 mm thick polyethylene external insulation
- Available with double collar Ø150 - Ø200 or triple by Ø100 - Ø125 - Ø150
- Outgoing collars as shown in the table
- Complete with brackets for ceiling mounting
- Holes provided for the entry of the upper and rear collar
- Sleeves complete with calibration damper with graduated adjustment by screwdriver
- Plenum supplied pre-assembled



**PLENUM ISOLÉ DE DISTRIBUTION POUR VMC POUR TUBE FLEXIBLE 4-6-8-10-12 SORTIES Ø 75 AVEC MANCHONS DOTÉS DE REGISTRE D'ÉTALONNAGE AVEC RÉGLAGE**

**CARACTÉRISTIQUES TECHNIQUES**

- Fabriqué en tôle galvanisée
- Isolation extérieure en polyéthylène de 3 mm d'épaisseur
- Disponible avec un col double Ø150 - Ø200 ou triple Ø100 - Ø125 - Ø150
- Colliers sortants comme indiqué dans le tableau
- Dotés de supports pour montage au plafond
- Trous prévus pour l'entrée du collier supérieur et arrière
- Manchons de serrage d'étalonnage avec réglage gradué par tournevis
- Plenum fourni prémonté



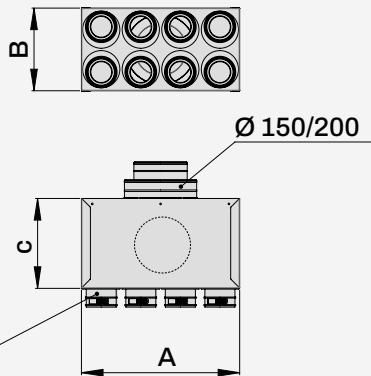
**ISOLIERTES VERTEILER- PLENUM FÜR KWL FÜR KANALISIERTEN SCHLAUCH 4-6-8-10-12 AUSGÄNGE Ø 75 MIT MUFFEN, KOMPLETT MIT KALIBRIERKLAPPE MIT REGULIERUNG**

**TECHNISCHE EIGENSCHAFTEN**

- Aus verzinktem Blech
- Außenisolierung aus Polyethylen Dicke 3 mm
- Erhältlich mit Doppelkragen ø150 - ø200 oder Dreifach aus ø100 - ø125 - ø150
- Schellen am Ausgang laut Tabelle
- Komplett mit Halterungen für Deckenmontage
- Einschubbohrungen für Ober- und Rückseite
- Komplett mit Justierklappe mit Schraubendreherregulierung
- vormontierte gelieferte Plenum

**MADE IN ITALY**

**EXAMPLE PLENUM 8 OUTPUTS**



CODE	DIMENSIONS [mm]		
	A	B	C
ACD600107	230	240	250
ACD600108	350	240	250
ACD600109	465	240	250
ACD600110	580	240	250
ACD600111	700	240	250

**Datasheet**



CODE	DESCRIPTION	INPUT Ø [mm]	U.M.	Pieces per box
ACD600107	PLÉNUM FOR FLEXIBLE CORRUGATED PIPE Ø75 4 OUTLETS Ø150/200	150 / 200	PCS	1
ACD600108	PLÉNUM FOR FLEXIBLE CORRUGATED PIPE Ø75 6 OUTLETS Ø150/200	150 / 200	PCS	1
ACD600109	PLÉNUM FOR FLEXIBLE CORRUGATED PIPE Ø75 8 OUTLETS Ø150/200	150 / 200	PCS	1
ACD600110	PLÉNUM FOR FLEXIBLE CORRUGATED PIPE Ø75 10 OUTLETS Ø150/200	150 / 200	PCS	1
ACD600111	PLÉNUM FOR FLEXIBLE CORRUGATED PIPE Ø75 12 OUTLETS Ø150/200	150 / 200	PCS	1
ACD600112	PLÉNUM FOR FLEXIBLE CORRUGATED PIPE Ø75 4 OUTLETS Ø100/125/150	100 / 125 / 150	PCS	1
ACD600113	PLÉNUM FOR FLEXIBLE CORRUGATED PIPE Ø75 6 OUTLETS Ø100/125/150	100 / 125 / 150	PCS	1



**INSULATED DISTRIBUTION PLENUM FOR MVHR FOR FLEXIBLE DUCTED HOSE 4-6-8-10-12 OUTPUTS Ø 90 WITH SLEEVES COMPLETE WITH CALIBRATION DAMPER WITH ADJUSTMENT**

**TECHNICAL SPECIFICATIONS**

- Made of galvanized metal sheet
- External insulation in 3 mm thick polyethylene
- Available with double inlet collar Ø150 - Ø200 or triple Ø100 - Ø125 - Ø150
- Outgoing collars as shown in the table
- Complete with brackets for ceiling mounting
- Holes provided for the entry of the upper and rear collar
- Sleeves complete with calibration damper with graduated adjustment by screwdriver



**PLENUM ISOLÉ DE DISTRIBUTION POUR VMC POUR TUBE FLEXIBLE 4-6-8-10-12 SORTIES Ø 90 AVEC MANCHONS DOTÉS DE REGISTRE D'ÉTALONNAGE AVEC RÉGLAGE**

**CARACTÉRISTIQUES TECHNIQUES**

- Fabriqué en tôle galvanisée
- Isolation externe en polyéthylène de 3 mm d'épaisseur
- Disponible avec collet d'entrée double Ø150 - Ø200 ou triple Ø100 - Ø125 - Ø150
- Colliers sortants comme indiqué dans le tableau
- Complet avec supports de montage au plafond
- Trous prévus pour l'entrée du collier supérieur et arrière
- Manchons de serrage d'étalonnage avec réglage gradué par tournevis



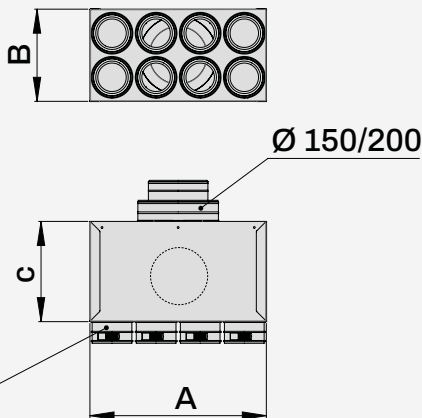
**ISOLIERTES VERTEILER- PLENUM FÜR KWL FÜR KANALISIERTEN SCHLAUCH 4-6-8-10-12 AUSGÄNGE Ø 90 MIT MUFFEN, KOMPLETT MIT KALIBRIERKLAPPE MIT REGULIERUNG**

**TECHNISCHE EIGENSCHAFTEN**

- Aus verzinktem Blech
- Außenisolation aus Polyethylen Dicke 3 mm
- Verfügbar mit Doppel-Einlasskragen Ø150 - Ø200 oder Dreifach Ø100 - Ø125 - Ø150
- Schellen am Ausgang laut Tabelle
- Komplett mit Halterungen für Deckenmontage
- Einschubbohrungen für Ober- und Rückseite
- Komplett mit Justierklappe mit Schraubendreherregulierung

**MADE IN ITALY**

**EXAMPLE PLENUM 8 OUTPUTS**



CODE	DIMENSIONS [mm]		
	A	B	C
ACD600114	230	240	250
ACD600115	350	240	250
ACD600116	465	240	250
ACD600117	580	240	250
ACD600118	700	240	250
ACD600119	230	240	250
ACD600120	350	240	250

**Datasheet**



CODE	DESCRIPTION	INPUT Ø [mm]	U.M.	Pieces per box
ACD600114	PLÉNUM FOR FLEXIBLE CORRUGATED PIPE Ø90 4 OUTLETS Ø150/200	150 / 200	PCS	1
ACD600115	PLÉNUM FOR FLEXIBLE CORRUGATED PIPE Ø90 6 OUTLETS Ø150/200	150 / 200	PCS	1
ACD600116	PLÉNUM FOR FLEXIBLE CORRUGATED PIPE Ø90 8 OUTLETS Ø150/200	150 / 200	PCS	1
ACD600117	PLÉNUM FOR FLEXIBLE CORRUGATED PIPE Ø90 10 OUTLETS Ø150/200	150 / 200	PCS	1
ACD600118	PLÉNUM FOR FLEXIBLE CORRUGATED PIPE Ø90 12 OUTLETS Ø150/200	150 / 200	PCS	1
ACD600119	PLÉNUM FOR FLEXIBLE CORRUGATED PIPE Ø90 4 OUTLETS Ø100/125/150	100 / 125 / 150	PCS	1
ACD600120	PLÉNUM FOR FLEXIBLE CORRUGATED PIPE Ø90 6 OUTLETS Ø100/125/150	100 / 125 / 150	PCS	1



**INSULATED DISTRIBUTION PLENUM H160 FOR MVHR FOR FLEXIBLE DUCTED HOSE 6 - 8 OUTLETS Ø75 AND Ø90 WITH SLEEVES COMPLETE WITH CALIBRATION DAMPER WITH ADJUSTMENT**

**TECHNICAL SPECIFICATIONS**

- Made of galvanised metal sheet.
- Inner insulation made of polyethylene thk. 3 mm.
- Inlet collar Ø150.
- Outlet collars as indicated in the table.
- Complete with brackets for ceiling mounting.
- Sleeves complete with calibration damper which can be adjusted using a screwdriver.
- Plenum supplied pre-assembled with front sleeves.



**PLÉNUM DE DISTRIBUTION ISOLÉ H160 POUR VMC POUR CONDUIT GAINABLE FLEXIBLE 6 - 8 SORTIES Ø 75 ET Ø 90 AVEC MANCHONS ÉQUIPÉS AVEC REGISTRE DE RÉGLAGE**

**CARACTÉRISTIQUES TECHNIQUES**

- Fabriqué en tôle galvanisée.
- Isolation intérieure en polyéthylène ép. 3 mm.
- Collier en entrée Ø150.
- Colliers en sortie selon le tableau.
- Avec supports pour montage au plafond.
- Manchons avec registre d'équilibrage et réglage gradué par tournevis.
- Plénum fourni pré-monté avec des manchons frontaux.

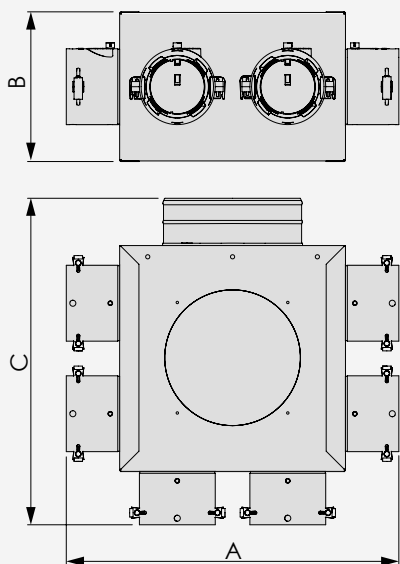


**ISOLIERTES VERTEILER-PLENUM H160 FÜR KWL FÜR KANALISIERTEN SCHLAUCH 6 - 8 AUSGÄNGE Ø75 UND Ø90 MIT MUFFEN MIT STELLSCHIEBER FÜR DIE EINSTELLUNG**

**TECHNISCHE EIGENSCHAFTEN**

- Gefertigt aus verzinktem Blech.
- Innendämmung aus Polyethylen, Dicke 3 mm.
- Einlaufkragen Ø150.
- Auslaufkragen gemäß Tabelle.
- Ausgestattet mit Bügeln für die Deckenmontage.
- Muffe mit Stellschieber für die Einstellung mittels Schraubendreher.
- Plenum wird vormontiert mit Frontmanschetten geliefert.

**EXAMPLE PLENUM 8 OUTPUTS**



CODE	DIMENSIONS [mm]			PESO [kg]
	A	B	C	
ACD600158	160	350	1.5	1.5
ACD600159	160	350	2.5	2.5
ACD600160	160	355	1.5	1.5
ACD600161	160	355	2.5	2.5

**Datasheet**



CODE	DESCRIPTION	U.M.	Pieces per box
ACD600158	DISTRIBUTION PLENUM IN INSULATED SHEET METAL 6 OUTLETS Ø75 WITH INLET Ø150	PCS	1
ACD600159	DISTRIBUTION PLENUM IN INSULATED SHEET METAL 8 OUTLETS Ø75 WITH INLET Ø150	PCS	1
ACD600160	DISTRIBUTION PLENUM IN INSULATED SHEET METAL 6 OUTLETS Ø90 WITH INLET Ø150	PCS	1
ACD600161	DISTRIBUTION PLENUM IN INSULATED SHEET METAL 8 OUTLETS Ø90 WITH INLET Ø150	PCS	1



**DISTRIBUTION BOX FOR MVHR 90, SUITABLE FOR 4 - 6 - 8 - 10 - 12 FLEXIBLE DUCTED PIPE, WITH SLEEVES AND ADJUSTMENT DAMPER, FOR 4 - 6 - 8 - 10**

**TECHNICAL SPECIFICATIONS**

- Made of galvanized metal sheet
- Internal insulation in 3 mm thick polyethylene
- With inlet collar with double diameter Ø150 - Ø200
- Outgoing collars as shown in the table
- Complete with brackets
- Sleeves complete with calibration damper with graduated adjustment by screwdriver
- Supplied caps for 4 / 6 / 10 output model
- Box supplied pre-assembled
- Available with collar Ø100 / Ø125 / Ø150



**BOÎTE DE DISTRIBUTION POUR VMC 90 À TUBE CANALISÉ FLEXIBLE 4 - 6 - 8 - 10 - 12 SORTIES LEGG 75 ET 90 AVEC MANCHONS COMPLETS DE VOLET D'ÉTALONNAGE AVEC RÉGLAGE**

**CARACTÉRISTIQUES TECHNIQUES**

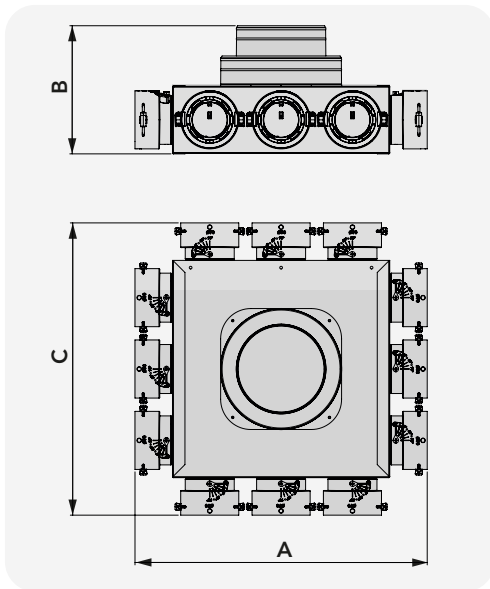
- Fabriqué en tôle galvanisée
- Isolation interne en polyéthylène de 3 mm d'épaisseur
- Avec col d'entrée avec double diamètre environ Ø150 - Ø200
- Colliers sortants comme indiqué dans le tableau
- Dotés de supports
- Manchons de serrage d'étalonnage avec réglage gradué par tournevis
- Bouchons fournis pour 4/6/10 sorties
- Boîte fournie prémontée
- À la demande disponible avec collerette Ø100 / Ø125 / Ø150



**VERTEILERKASTEN FÜR KWL 90° FÜR FLEXIBLES KANALROHR 4 - 6 - 8 - 10 - 12 AUSGÄNGE Ø 75 UND Ø 90 MIT JUSTIERKLAPPEN KOMPLETT MIT EINSTELLKLAPPEN**

**TECHNISCHE EIGENSCHAFTEN**

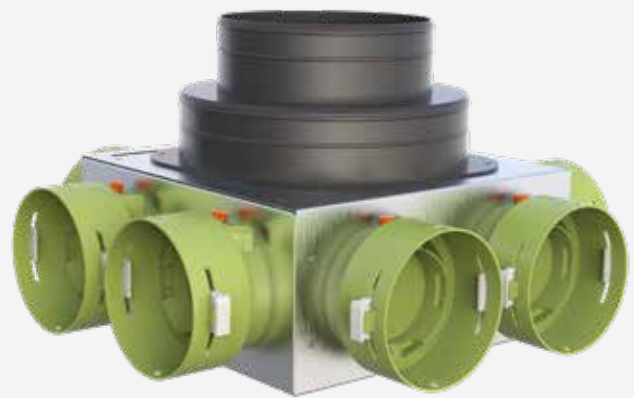
- Aus verzinktem Blech
- Innenisolierung aus Polyethylen sp. 3 mm
- Mit Doppeldurchmesser Ø150 - Ø200
- Schellen am Ausgang laut Tabelle
- Komplett mit Halterungen
- Komplett mit Justierklappe mit Schraubendreherregulierung
- Mitgelieferte Verschlüsse für 4/6/10 Ausgänge
- Kasten vormontiert geliefert
- Auf Wunsch erhältlich mit Halsband Ø100 / Ø125 / Ø150



**Datasheet**




**EXAMPLE PLENUM 8 OUTPUTS**



CODE	DIMENSIONS [mm]		
	A	B	C
ACD600142	234	212	355
ACD600143	300	212	355
ACD600144	355	212	355
ACD600145	473	212	473
ACD600146	473	212	473

CODE	DIMENSIONS [mm]		
	A	B	C
ACD600137	244	212	365
ACD600138	305	212	365
ACD600139	365	212	365
ACD600140	483	212	483
ACD600141	483	212	483

CODE	DESCRIPTION	U.M.	 Pieces per box
ACD600142	PLÉNUM 90° Ø 75 - 4 OUTLETS 150/200	PCS	1
ACD600143	PLÉNUM 90° Ø 75 - 6 OUTLETS 150/200	PCS	1
ACD600144	INSULATED DISTRIBUTION PLENUM 90° DIAM. 75 - 8 OUTLETS INLET 150/200 TS FITTING	PCS	1
ACD600145	PLÉNUM 90° Ø 75 - 10 OUTLETS 150/200	PCS	1
ACD600146	PLÉNUM 90° Ø 75 - 12 OUTLETS 150/200	PCS	1
ACD600137	PLÉNUM 90° Ø 90 - 4 OUTLETS 150/200	PCS	1
ACD600138	PLÉNUM 90° Ø 90 - 6 OUTLETS 150/200	PCS	1
ACD600139	PLÉNUM 90° Ø 90 - 8 OUTLETS 150/200	PCS	1
ACD600140	PLÉNUM 90° Ø 90 - 10 OUTLETS 150/200	PCS	1
ACD600141	PLÉNUM 90° Ø 90 - 12 OUTLETS 150/200	PCS	1



### "GALATEA" STAINLESS STEEL GRILLE

#### TECHNICAL SPECIFICATIONS

- Made of brushed stainless steel
- Fastening by means of screws



### "GALATEA" GRILLE INOX

#### CARACTÉRISTIQUES TECHNIQUES

- Fabriqué en acier inoxydable brossé
- Fixation au moyen de vis



### "GALATEA" EDELSTAHLGITTER

#### TECHNISCHE EIGENSCHAFTEN

- Aus satiniertem Edelstahl
- Befestigung mittels Schrauben



MADE IN ITALY

For plenum see page 109

CODE	DESCRIPTION	EXTERNAL DIMENSIONS [mm]	AIRFLOW [M <sup>3</sup> /H]	U.M.	Pieces per box
ACD600055	GALATEA STAINLESS STEEL GRILLE 200x100	240 X 140	40	PCS	1
ACD600056	GALATEA STAINLESS STEEL GRILLE 300X100	340 x 140	50	PCS	1
30100840	GALATEA STAINLESS STEEL GRILLE 300X150	340 X 190	60	PCS	1
30100860	GALATEA STAINLESS STEEL GRILLE 400X150	440 x 190	75	PCS	1

Datasheet



### "VANESSA" STAINLESS STEEL GRILLE

#### TECHNICAL SPECIFICATIONS

- Made of brushed stainless steel
- Fastening by means of screws



### "VANESSA" GRILLE INOX

#### CARACTÉRISTIQUES TECHNIQUES

- Fabriqué en acier inoxydable brossé
- Fixation au moyen de vis



### "VANESSA" EDELSTAHLGITTER

#### TECHNISCHE EIGENSCHAFTEN

- Aus satiniertem Edelstahl
- Befestigung mittels Schrauben



MADE IN ITALY

For plenum see page 109

CODE	DESCRIPTION	EXTERNAL DIMENSIONS [mm]	AIRFLOW [M <sup>3</sup> /H]	U.M.	Pieces per box
ACD600053	VANESSA STAINLESS STEEL GRILLE 200x100	240 X 140	40	PCS	1
ACD600054	VANESSA STAINLESS STEEL GRILLE 300X100	340 x 140	50	PCS	1
30100800	VANESSA STAINLESS STEEL GRILLE 300X150	340 X 190	60	PCS	1
30100820	VANESSA STAINLESS STEEL GRILLE 400X150	440 x 190	75	PCS	1

Datasheet



### "IRIDE" STAINLESS STEEL GRILLE

#### TECHNICAL SPECIFICATIONS

- Made of brushed stainless steel
- Fastening by means of screws



### "IRIDE" GRILLE INOX

#### CARACTÉRISTIQUES TECHNIQUES

- Fabriqué en acier inoxydable brossé
- Fixation au moyen de vis



### "IRIDE" EDELSTAHLGITTER

#### TECHNISCHE EIGENSCHAFTEN

- Aus satiniertem Edelstahl
- Befestigung mittels Schrauben



MADE IN ITALY

For plenum see page 109

CODE	DESCRIPTION	EXTERNAL DIMENSIONS [mm]	AIRFLOW [M <sup>3</sup> /H]	U.M.	Pieces per box
ACD600057	IRIDE STAINLESS STEEL GRILLE 200x100	240 X 140	40	PCS	1
ACD600058	IRIDE STAINLESS STEEL GRILLE 300X100	340 x 140	50	PCS	1
30100920	IRIDE STAINLESS STEEL GRILLE 300X150	340 x 190	60	PCS	1
30100940	IRIDE STAINLESS STEEL GRILLE 400X150	440 x 190	75	PCS	1

Datasheet



 **"GINEVRA" GRID IN WHITE PAINTED STEEL**

**TECHNICAL SPECIFICATIONS**

- Made of electro-galvanised metal sheet
- White paint
- Fastening by means of screws

 **"GINEVRA" GRILLE EN ACIER PEINT EN BLANC**

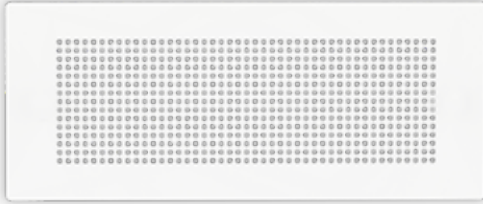
**CARACTÉRISTIQUES TECHNIQUES**

- En tôle électro-galvanisée
- Peinture de couleur blanche
- Fixation au moyen de vis

 **"GINEVRA" GITTER AUS WEISS LACKIERTEM STAHL**

**TECHNISCHE EIGENSCHAFTEN**

- Aus elektro-galvanisiertem Blech
- Weiße Farbe
- Befestigung mittels Schrauben



 **MADE IN ITALY**

For plenum see page 109

CODE	DESCRIPTION	EXTERNAL DIMENSIONS [mm]	AIRFLOW [M <sup>3</sup> /H]	U.M.	Pieces per box
ACD600071	GRILLE "GINEVRA" - COLOUR WHITE - 200x100	240 X 140	40	PCS	1
ACD600072	GRILLE "GINEVRA" - COLOUR WHITE - 300x100	340 x 140	50	PCS	1
ACD600073	GRILLE "GINEVRA" - COLOUR WHITE - 300x150	340 X 190	60	PCS	1
ACD600074	GRILLE "GINEVRA" - COLOUR WHITE - 400x150	440 x 190	75	PCS	1

Datasheet



 **"LUCINA" INTAKE GRILLE**

**TECHNICAL SPECIFICATIONS**

- Max intake capacity 50 m<sup>3</sup>/h
- 360° adjustable slats

 **"LUCINA" GRILLE DE RÉCUPÉRATION**

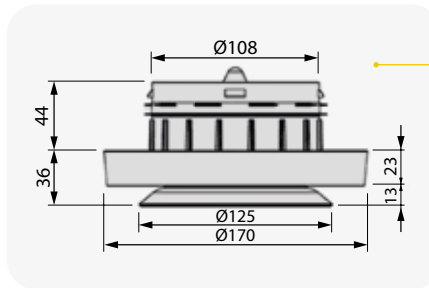
**CARACTÉRISTIQUES TECHNIQUES**

- Capacité de récupération max 50 m<sup>3</sup>/h
- Lames réglables à 360°

 **"LUCINA" ABLUFTGITTER**

**TECHNISCHE EIGENSCHAFTEN**

- Max. Aufnahmekapazität 50 m<sup>3</sup>/h
- 360° verstellbare Lamellen



**CONNECTION**

- 30100140
- 30100150
- 30100220
- 30100240
- 30101070

Datasheet



CODE	DESCRIPTION	U.M.	Pieces per box
30100300	LUCINA" OUTFLOW GRILLE	PCS	1

 **"CLOE" AIR DELIVERY/INTAKE GRILLE**

**TECHNICAL SPECIFICATIONS**

- Max intake capacity 50 m<sup>3</sup>/h

 **"CLOE" GRILLE DE REFOULEMENT/EXTRACTION**

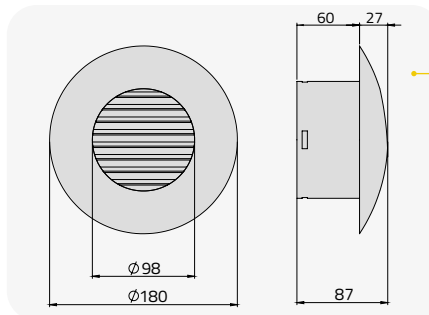
**CARACTÉRISTIQUES TECHNIQUES**

- Capacité de récupération max 50 m<sup>3</sup>/h

 **"CLOE" VORLAUF- / RÜCKLAUFGITTER**

**TECHNISCHE EIGENSCHAFTEN**

- Max. Aufnahmekapazität 50 m<sup>3</sup>/h



**CONNECTION**

- 30100140
- 30100150
- 30100220
- 30100240
- 30101070

Datasheet



CODE	DESCRIPTION	U.M.	Pieces per box
30100310	"CLOE" INTAKE GRILLE	PCS	1





**CEILING / WALL / FLOOR  
PLENUM FOR MVHR  
AND TELESCOPIC VERSION**

**TECHNICAL SPECIFICATIONS**

- Ready for side, top and rear pipe entry.
- Supplied including air inlet flexible hose fitting.
- Suitable for Vanessa, Galatea, Iride and Ginevra grilles.



**PLÉNUM PLAFOND / MUR /  
PLANCHER POUR VMC  
ET VERSION TÉLESCOPIQUE**

**CARACTÉRISTIQUES TECHNIQUES**

- Prédéposé pour l'entrée des tubes latéraux, supérieurs et arrière.
- Livré complet avec raccord de tuyau d'entrée d'air.
- Convient pour les grilles Vanessa, Galatea, Iride, Ginevra



**DECKEN- / WAND- / BODEN-  
PLENUM FÜR KWL UND  
TELESKOPVERSION**

**TECHNISCHE EIGENSCHAFTEN**

- Vorbereitet für den seitlichen, oberen und hinteren Rohreinlass.
- Lieferung komplett mit Lufteinlassschlauchverschraubung.
- Geeignet für die Gitter Vanessa, Galatea, Iride, Ginevra.

**MADE IN ITALY**

**NEW**



Made of electro-galvanised metal sheet

Telescopic Version



Telescopic brackets included

CODE	DESCRIPTION	EXTERNAL DIM. [mm]	DEPTH [mm]	U.M.	Pieces per box
ACD600162	PLENUM FOR CEILING/WALL/FLOOR Ø75 FOR GRILLE 300x150	310 x 160	120	PCS	1
ACD600163	PLENUM FOR CEILING/WALL/FLOOR Ø90 FOR GRILLE 300x150	310 x 160	120	PCS	1
ACD600164	PLENUM FOR CEILING/WALL/FLOOR Ø75 FOR GRILLE 400x150	410 x 160	120	PCS	1
ACD600165	PLENUM FOR CEILING/WALL/FLOOR Ø90 FOR GRILLE 400x150	410 x 160	120	PCS	1
ACD600166	PLENUM FOR CEILING/WALL/FLOOR 2xØ75 FOR GRILLE 400x150	410 x 160	120	PCS	1
ACD600167	PLENUM FOR CEILING/WALL/FLOOR 2xØ90 FOR GRILLE 400x150	410 x 160	120	PCS	1
ACD600168	PLENUM FOR CEILING/WALL/FLOOR Ø75 FOR GRILLE 200x100	210 x 110	120	PCS	1
ACD600169	PLENUM FOR CEILING/WALL/FLOOR Ø90 FOR GRILLE 200x100	210 x 110	120	PCS	1
ACD600170	PLENUM FOR CEILING/WALL/FLOOR Ø75 FOR GRILLE 300x100	310 x 110	120	PCS	1
ACD600171	PLENUM FOR CEILING/WALL/FLOOR Ø90 FOR GRILLE 300x100	310 x 110	120	PCS	1

Datasheet



**Telescopic Version**

CODE	DESCRIPTION	EXTERNAL DIM. [mm]	DEPTH [mm]	U.M.	Pieces per box
ACD600172	TELESCOPIC PLENUM FOR CEILING/WALL/FLOOR Ø75 FOR GRILLE 200x100	210 x 115	120	PCS	1
ACD600173	TELESCOPIC PLENUM FOR CEILING/WALL/FLOOR Ø90 FOR GRILLE 200x100	210 x 115	120	PCS	1
ACD600174	TELESCOPIC PLENUM FOR CEILING/WALL/FLOOR Ø75 FOR GRILLE 300x100	310 x 115	120	PCS	1
ACD600175	TELESCOPIC PLENUM FOR CEILING/WALL/FLOOR Ø90 FOR GRILLE 300x100	310 x 115	120	PCS	1
ACD600176	TELESCOPIC PLENUM FOR CEILING/WALL/FLOOR Ø75 FOR GRILLE 300x150	310 x 165	120	PCS	1
ACD600177	TELESCOPIC PLENUM FOR CEILING/WALL/FLOOR Ø90 FOR GRILLE 300x150	310 x 165	120	PCS	1
ACD600178	TELESCOPIC PLENUM FOR CEILING/WALL/FLOOR Ø75 FOR GRILLE 400x150	410 x 165	120	PCS	1
ACD600179	TELESCOPIC PLENUM FOR CEILING/WALL/FLOOR Ø90 FOR GRILLE 400x150	410 x 165	120	PCS	1
ACD600180	TELESCOPIC PLENUM FOR CEILING/WALL/FLOOR 2xØ75 FOR GRILLE 400x150	410 x 165	120	PCS	1
ACD600181	TELESCOPIC PLENUM FOR CEILING/WALL/FLOOR 2xØ90 FOR GRILLE 400x150	410 x 165	120	PCS	1

Datasheet



**GRILLES WITH RECESSED FRAME FOR WHITE MATTE PLASTERBOARD.**

**TECHNICAL SPECIFICATIONS**

- Made in anodized aluminum painted in white matte
- Air delivery and intake
- Grille with concealed frame and pull-out central zone
- Installation on frame support by means of screws
- G2 Filter

**GRILLES AVEC CADRE ENCASTRÉ POUR PLAQUES DE PLÂTRE BLANCHES MATES.**

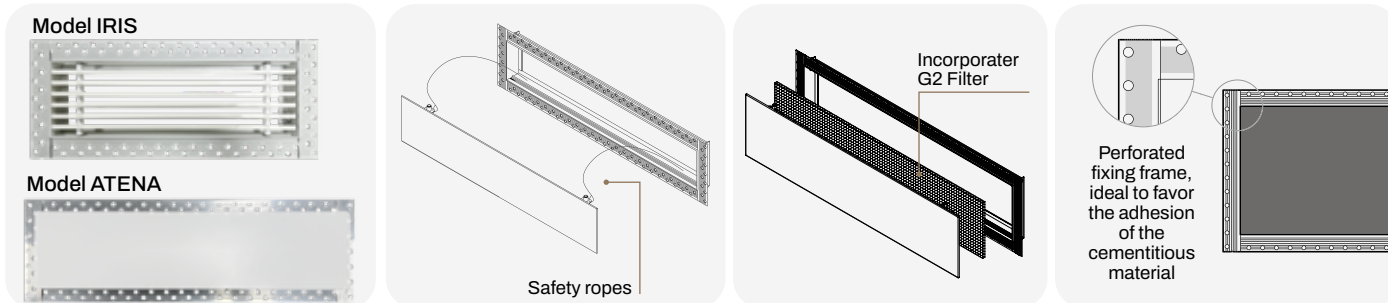
**CARACTÉRISTIQUES TECHNIQUES**

- Réalisée en aluminium anodisé peint blanc mat
- Livraison et récupération d'air
- Grille avec cadre rétractable et partie centrale amovible
- Installation sur support de cadre au moyen de vis
- Filtre G2

**GITTER MIT VERSENKTEM RAHMEN FÜR WEISSES MATTES GIPSKARTON.**

**TECHNISCHE EIGENSCHAFTEN**

- Aus eloxiertem Aluminium gefertigt, mattweiß lackiert
- Einlass und Abluft
- Gitter mit einziehbarem Rahmen und abnehmbarem Mittelteil
- Installation auf Rahmenhalterung mit Schrauben
- Filter G2



CODE	DESCRIPTION	EXTERNAL DIM. [mm]	AIRFLOW [m³/h]	U.M.	Pieces per box
ACC600109	GRILLE MODEL ATENA 200x100	200 x 100	30	PCS	1
ACC600110	GRILLE MODEL ATENA 300x100	300 x 100	40	PCS	1
ACC600111	GRILLE MODEL IRIS 200x100	200 x 100	50	PCS	1
ACC600112	GRILLE MODEL IRIS 300x100	300 x 100	80	PCS	1

Datasheet



**METAL SHEET PLENUM FOR ATHENA AND IRIS GRILLES PLASTERBOARD INSTALLATION**

**TECHNICAL SPECIFICATIONS**

- Made of anodised aluminium
- Air delivery and intake
- Grille with concealed frame and pull-out central zone
- Installation on frame support by means of screws
- G2 Filter
- Plenum for wall installation in plasterboard in electro-galvanised metal sheet prepared for Ø75 and Ø92 collars (separate)

**PLÉNUM EN TÔLE POUR GRILLES ATENA ET IRIS EN PLAQUE DE PLÂTRE**

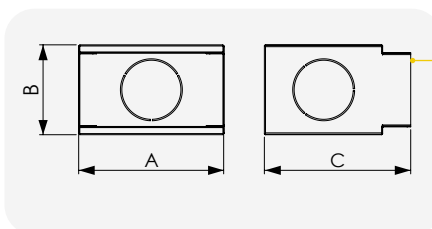
**CARACTÉRISTIQUES TECHNIQUES**

- Fabriqué en aluminium anodisé
- Livraison et récupération d'air
- Grille avec cadre rétractable et partie centrale amovible
- Installation sur support de cadre au moyen de vis
- Filtre G2
- Plénum pour installation murale en plaque de plâtre en tôle électrozinguée préparée pour les colliers Ø75 et Ø92 (séparément)

**PLENUM AUS BLECH FÜR DIE INSTALLATION VON ATENA-UND IRIS-GITTERN AUF GIPSKARTONPLATTEN**

**TECHNISCHE EIGENSCHAFTEN**

- Aus eloxiertem Aluminium
- Einlass und Abluft
- Gitter mit einziehbarem Rahmen und abnehmbarem Mittelteil
- Installation auf Rahmenhalterung mit Schrauben
- Filter G2
- Plenum für Gipskarton-Wandinstallation aus galvanisch verzinktem Blech, vorbereitet für Ø75- und Ø92-Schellen (separat)



**FOR COLLARS**

See page 92  
Codes: 30100120,  
30100200

CODE	DESCRIPTION	DIMENSIONS [mm]			U.M.	Pieces per box
		A	B	C		
ACD600085	PLÉNUM FOR ATHENA AND IRIS GRILLES PLASTERBOARD INSTALLATION 200x100	210	130	210	PCS	1
ACD600086	PLÉNUM FOR ATHENA AND IRIS GRILLES PLASTERBOARD INSTALLATION 300x100	310	130	210	PCS	1

Datasheet





## PLENUM IN PS PLASTIC FOR MVHR

### TECHNICAL SPECIFICATIONS

- Plenum made of PS plastic (polystyrene)
- Fixing can be performed on both plasterboard and masonry with a minimum depth of 100 mm up to 150 mm
- Fixing on plasterboard by self-tapping screws on the 4 side fins
- With built-in bubble
- Possibility for spirit level installation work site cover or inside Airbox Box
- Protective cover plaster complete with extraction handle
- No. 4 metal brackets 80 x 80 for rear fixing included
- Sleeves complete with calibration damper with graduated adjustment by screwdriver
- Complete hose clamps
- Possibility to break side flaps for wall insertion
- Option to choose from up to 4 models of finishing grilles in white ABS plastic
- Possibility of up to 5 inlets for  $\varnothing 75$  and  $\varnothing 90$  sleeves



## PLÉNUM EN PLASTIQUE PS POUR VMC

### CARACTÉRISTIQUES TECHNIQUES

- Plénum en plastique PS (polystyrène)
- La fixation peut être effectuée sur des plaques de plâtre ou de maçonnerie d'une profondeur minimale de 100 mm jusqu'à 150 mm
- Fixation sur plaques de plâtre au moyen de vis autotaraudeuses sur les 4 ailettes latérales
- Avec bulle intégrée
- Possibilité d'installation bulle aussi bien sur couvercle de chantier aussi bien à l'intérieur de la boîte Airbox
- Couvercle de protection en plâtre avec poignée d'extraction
- N° 4 supports en métal 80 x 80 pour fixation arrière fournie.
- Manchons de serrage d'étalonnage avec réglage gradué par tournevis
- Manchons complets de butée
- Possibilité de rupture ailettes latérales pour l'insertion en maçonnerie



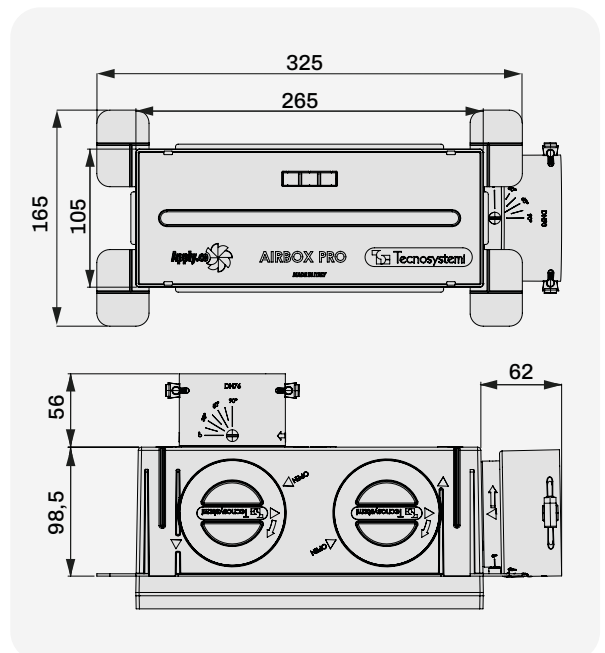
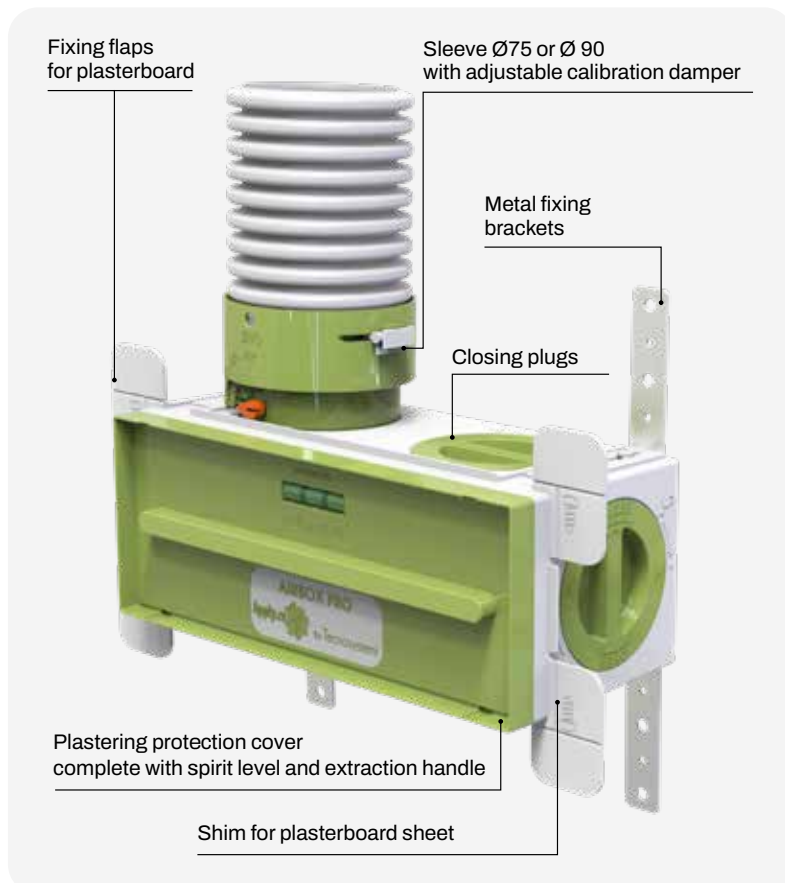
## PLENUM AUS PS KUNSTSTOFF FÜR KWL

### TECHNISCHE EIGENSCHAFTEN

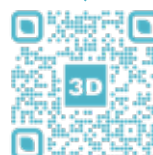
- Plenum aus PS-Kunststoff (Polystyrol)
- Die Befestigung kann sowohl auf Gipskarton als auch auf Mauerwerk mit einer Mindestdiefe von 100 mm bis 150 mm erfolgen
- Befestigung auf Gipskarton mit selbstschneidenden Schrauben an den 4 Seitenflügeln
- Mit integrierter Blase
- Möglichkeit der installation der Libelle sowohl auf der baustellenabdeckung als auch im inneren des gehäuses Airbox
- Schutzdeckel mit Ausziehgriff
- Nr. 4 Bügel aus Metall 80 x 80 zur hinteren befestigung im Lieferumfang enthalten
- Komplet mit Justierklappe mit Schraubendreherregulierung
- Hülsen komplett mit Schlauchklammer
- Möglichkeit des Bruchs der seitentklappen aufgrund der einföhrung in das mauerwerk

The new Plenum in PS plastic for MVHR is the **ideal solution for an efficient mechanical controlled ventilation (MVHR) system at home or in the office. Airbox is designed for use with a broad range of mechanical controlled ventilation units, allowing easy installation and perfect integration in your existing ventilation system. Its compact size and ergonomic design make it ideal for different types of residential and commercial environments.**

The MVHR hose can be connected at the rear, top or side. **Includes adjustment dampers and a wide range of accessories for quick and easy installation. Complete the kit with a choice of steel nozzle painted white, possibility to choose from the following models: Gemini - Virgo - Aries - Taurus**



Virtual reality





Fixing example with self-tapping screws on 4 side flaps on plasterboard



Fixing example with telescopic rear brackets on plasterboard



Fixing example on masonry

**CALIBRATION DAMPER ROTATION 0° - 30° - 60° - 90°**



0°



30°



60°



90°

**EXAMPLE INSTALLATION  
"GEMINI" GRILLE**



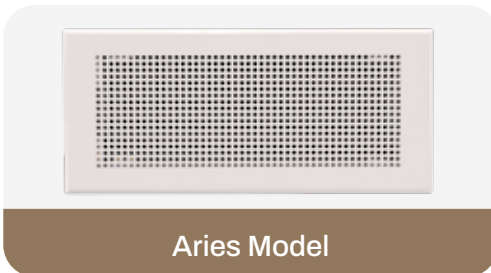
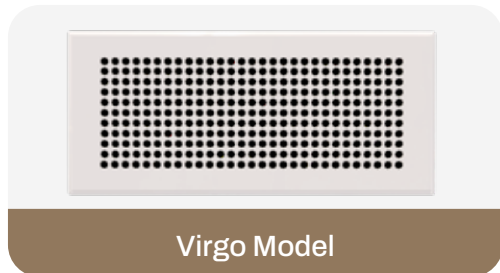
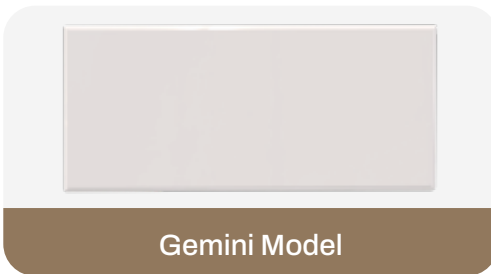
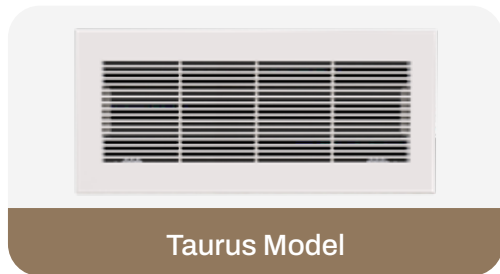
**THE Ø75 KIT INCLUDES**

- Airbox Pro Plenum
- N. 1 sleeve diameter 75
- N. 1 gasket diameter 75
- N. 1 plenum cover with spirit level
- N. 4 caps
- Brackets kit (4 pcs. + 4 screws)

**THE Ø90 KIT INCLUDES**

- Airbox Pro Plenum
- N. 1 sleeve diameter 90
- N. 1 gasket diameter 90
- N. 1 plenum cover with spirit level
- N. 4 caps
- Brackets kit (4 pcs. + 4 screws)

**CHOICE OF FINISHING GRILLE**



**Sleeve kit Ø75/90  
for plenum**



**Plugs kit for plenum  
5 PCS**

CODE	DESCRIPTION	U.M.	Pieces per box
ACD600088	PLÉNUM IN POLYSTYRE WITH SLEEVE FOR PIPE Ø75 - "AIRBOX PRO"	PCS	1
ACD600092	PLÉNUM IN POLYSTYRE WITH SLEEVE FOR PIPE Ø90 - "AIRBOX PRO"	PCS	1
ACD600089	SLEEVE KIT FOR PIPE Ø75	KIT	1
ACD600090	SLEEVE KIT FOR PIPE Ø90	KIT	1
ACD600091	BRACKETS KIT FOR AIR BOX AND ZEFIRO BOX	KIT	1
ACD600157	SET OF CAPS FOR MVHR	KIT	1

**Datasheet**



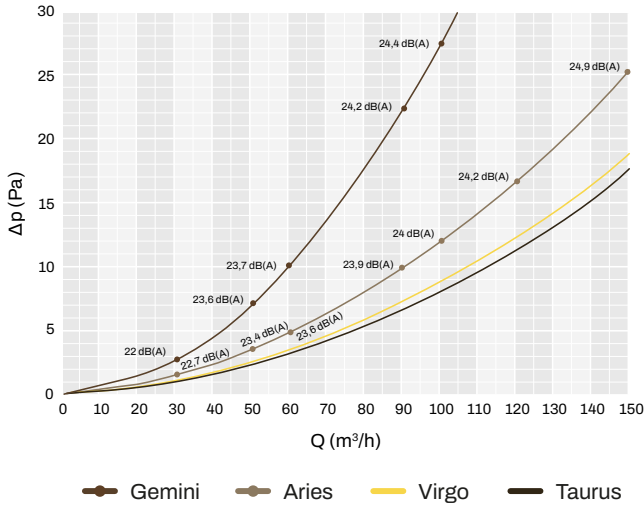
CODE	DESCRIPTION	EXTERNAL DIMENSIONS [mm]	AIRFLOW [m³/h]	U.M.	Pieces per box
ACC600089	DECORATIVE GRILL - MODEL GEMINI	L. 303 x H. 133	40	PCS	1
ACC600090	DECORATIVE GRILL - MODEL VIRGO	L. 303 x H. 133	60	PCS	1
ACC600091	DECORATIVE GRILL - MODEL ARIES	L. 303 x H. 133	50	PCS	1
ACC600092	DECORATIVE GRILL - MODEL TAURUS	L. 303 x H. 133	70	PCS	1
ACC600093	FILTER KIT FOR AESTHETIC GRID TAURUS, VIRGO, ARIES 253X91X8 MM (PACK OF 5 PIECES)			KIT	1

**Datasheet**



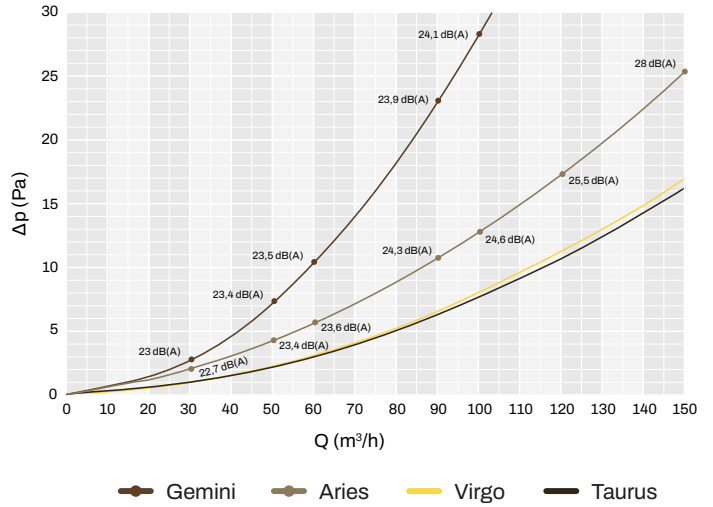
## Selection table

### Delivery grille



## Selection table

### Intake grille



## Maximum airflow opening area

### Delivery grille

#### Gemini grille

Flow rate	Pressure drop	A-weighted sound power level
Q (m³/h)	Δp (Pa)	LWA dB(A)
30	2,6	22,0
50	7,1	23,6
60	10,1	23,7
90	22,5	24,2
100	27,7	24,4

#### Aries grille

Flow rate	Pressure drop	A-weighted sound power level
Q (m³/h)	Δp (Pa)	LWA dB(A)
30	1,6	22,7
50	3,6	23,4
60	4,9	23,6
90	10,0	23,9
100	12,1	24,0
120	16,9	24,2
150	25,5	24,9

#### Virgo grille \*

Flow rate	Pressure drop
Q (m³/h)	Δp (Pa)
30,00	1,2
50,00	2,6
60,00	3,6
90,00	7,4
100,00	8,9
120,00	12,5
150,00	18,9

#### Taurus grille \*

Flow rate	Pressure drop
Q (m³/h)	Δp (Pa)
30,00	1,0
50,00	2,4
60,00	3,3
90,00	6,8
100,00	8,3
120,00	11,6
150,00	17,6

## Maximum airflow opening area

### Intake grille

#### Gemini grille

Flow rate	Pressure drop	A-weighted sound power level
Q (m³/h)	Δp (Pa)	LWA dB(A)
30	2,6	23,0
50	7,1	23,4
60	10,3	23,5
90	23,0	23,9
100	28,4	24,1

#### Aries grille

Flow rate	Pressure drop	A-weighted sound power level
Q (m³/h)	Δp (Pa)	LWA dB(A)
30	2,1	22,7
50	4,3	23,4
60	5,7	23,6
90	10,8	24,3
100	12,8	24,6
120	17,3	25,5
150	25,4	28,0

#### Virgo grille \*

Flow rate	Pressure drop
Q (m³/h)	Δp (Pa)
30,00	0,9
50,00	2,2
60,00	3,1
90,00	6,5
100,00	7,9
120,00	11,2
150,00	17,0

#### Taurus grille\*

Portata	Pressure drop
Q (m³/h)	Δp (Pa)
30,00	1,0
50,00	2,3
60,00	3,1
90,00	6,4
100,00	7,7
120,00	10,8
150,00	16,3

\* For the noise levels of Virgo and Taurus, please refer to the Aries model.

The A-weighted sound power level data were measured using the grilles coupled with the corresponding Tecnosystemi plenum.

 **THROUGH CEILING PLENUM**

**TECHNICAL SPECIFICATIONS**

- Made of electro-galvanised metal sheet
- Fastening brackets supplied
- Air intake collar Ø 125 / 150 supplied (not installed)
- Air output collar for MVHR duct

 **PLENUM DE PLAFOND PASSANT**

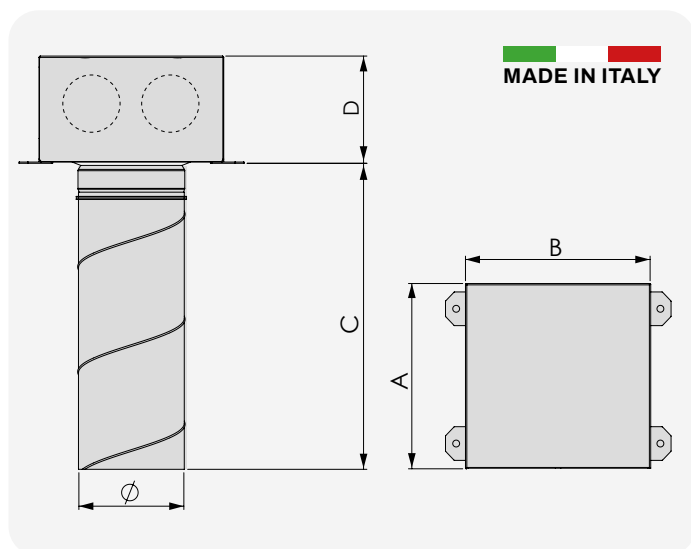
**CARACTÉRISTIQUES TECHNIQUES**

- Fabriqué en tôle électro-galvanisée
- Supports de fixation fournis
- Collier d'entrée d'air Ø 125 / 150 fourni (non installé)
- Collier de sortie d'air pour conduit VMC

 **DURCH DIE DECKE GEHENDES PLENUM**

**TECHNISCHE EIGENSCHAFTEN**

- Aus elektro-galvanisiertem Blech
- Befestigungsbügel mitgeliefert
- Lufteinlassschelle Ø 125 / 150 (nicht installiert)
- Luftauslassschelle für WRG-Lüftung-Kanäle



Plenum example Code ACD600083

**THE KIT INCLUDES**

- N. 1 through ceiling plenum
- N. 1 oval collar for plenum C3 Ø 125 / 150
- N. 4 mounting brackets plenum
- N. 1 sleeve billet Ø 125 l. 33 cm
- N. 1 spiral metallic rigid circular duct Ø 125 mm L. 33 cm
- N. 1 flexible hose connector Ø 92 mm (only for cod. ACD600083)
- N. 2 flexible hose connector Ø 75 mm (only for cod. ACD600084)



Plenum example Code ACD600084

DIMENSIONS [mm]				
A	B	C	D	Ø
220	325	330	130	125-150

CODE	DESCRIPTION	U.M.	 Pieces per box
ACD600083	PLÉNUM PREPARED FOR 1 OVAL ENTRANCE Ø125/150 + 1 ENTRANCE Ø92	PCS	1
ACD600084	PLÉNUM PREPARED FOR 1 OVAL ENTRANCE Ø125/150 + 2 ENTRANCE Ø75	PCS	1

**Datasheet**



 **RESIDENTIAL EXTRACTOR TOWER**

**TECHNICAL SPECIFICATIONS**

- Max operating temperature: +50°C
- Weatherproof
- Made of metal finished with polymer paint
- Protection rating: IP X4
- Supply voltage: 230 V AC - 50 Hz

 **TOUR D'EXTRACTION RÉSIDENTIELLE**

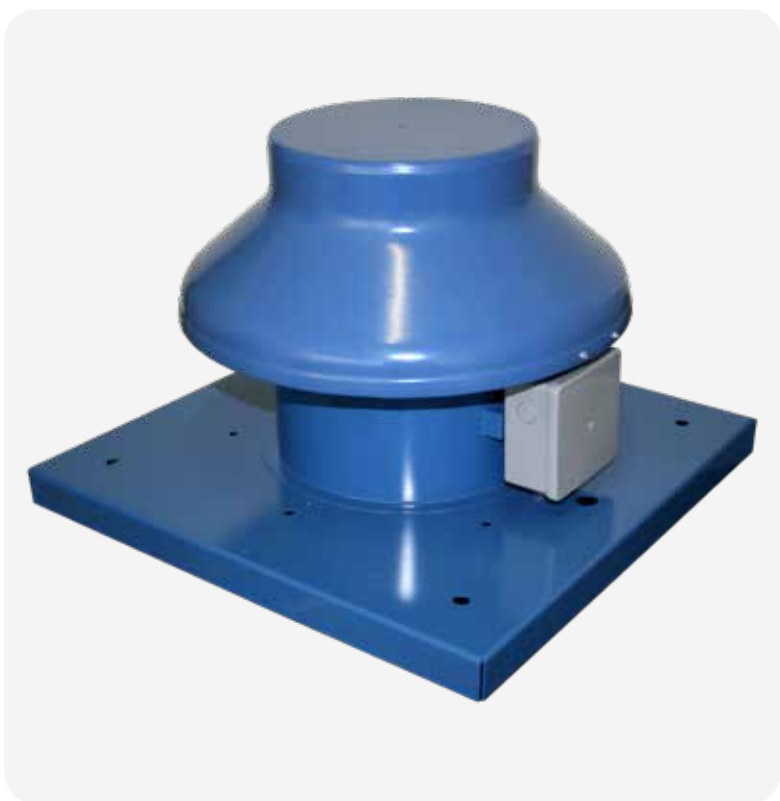
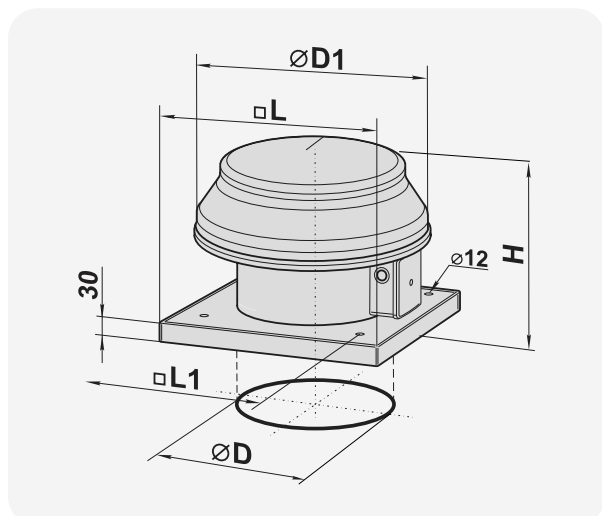
**CARACTÉRISTIQUES TECHNIQUES**

- Température maximale de fonctionnement : +50°C
- Résistant aux intempéries
- Fabriqué en métal fini avec de la peinture polymère
- Degré de protection : IP X4
- Tension d'alimentation : 230 Vca - 50 Hz

 **ABLUFFTURM FÜR WOHN-GEBÄUDE**


**TECHNISCHE EIGENSCHAFTEN**

- Max. Betriebstemperatur: +50°C
- Wetterfest
- Aus Metall mit Polymerfarbe
- Schutzart: IP X4
- Netzspannung: 230 V AC - 50 Hz



DIMENSIONS [mm]					
MODEL	ØD	ØD1	H	L	L1
200	208	345	280	425	330
250	262	405	300	425	330
315	315	555	380	585	450

TECHNICAL DATA			
MODEL	200	250	315
Power supply [V]	230	230	230
Frequency [Hz]	50	50	50
Power [W]	43	68	110
Absorbed current [A]	0,28	0,48	0,75
Air flow rate [m³/h]	405	1070	1700
RPM	1300	1300	1300
Max sound level [dB(A)]	32	48	54
Operating temperature max [°C]	40	40	40
Protection rating [IP]	X4	X4	X4
Weight [kg]	4,9	6,8	9,2

CODE	DESCRIPTION	U.M.	 Pieces per box
11104110	RESIDENTIAL ROOF EXTRACTOR 200	PCS	1
11104120	RESIDENTIAL ROOF EXTRACTOR 250	PCS	1
11104130	RESIDENTIAL ROOF EXTRACTOR 315	PCS	1

**Datasheet**



 **MIXED FLOW IN-LINE FAN**

**TECHNICAL SPECIFICATIONS**

- Made of ABS
- Easy to install and inspect
- 2 speeds
- Operable via ON / OFF switch (not supplied)
- Recommended for kitchens, bathrooms, offices, shops

 **VENTILATEUR EN LIGNE À FLUX MIXTE**

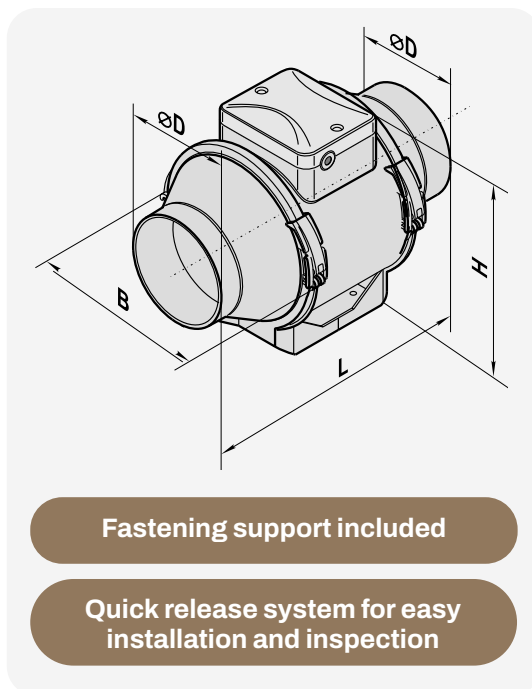
**CARACTÉRISTIQUES TECHNIQUES**

- Fabriqué en ABS
- Facile à installer et à inspecter
- 2 vitesses
- Actionnable via l'interrupteur marche/arrêt (non fourni)
- Recommandé pour les cuisines, salles de bains, bureaux, magasins

 **INLINE-VENTILATOR MIT GEMISCHTER STRÖMUNG**


**TECHNISCHE EIGENSCHAFTEN**

- Aus ABS
- Einfache Montage und Wartung
- 2 Geschwindigkeiten
- Bedienung über EIN / AUS-Schalter (nicht mitgeliefert)
- Empfohlen für Küchen, Bäder, Büros, Geschäfte



**TECHNICAL DATA**

MODEL	100		125		150		200		250	
Power supply [V]	230									
Frequency [Hz]	50									
Speed	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
Power [w]	21	33	23	37	30	60	76	108	125	177
Current [A]	0,11	0,21	0,18	0,27	0,17	0,27	0,34	0,48	0,54	0,79
Air flow [m³/h]	145	187	220	280	405	520	830	1040	1110	1400
RPM	2180	2385	1950	2455	1680	2460	1915	2380	1955	2440
Noise level at 3 m [dB(A)]	27	36	28	37	33	44	45	52	47	55
Operating temperature [°C]	60									
Protection grade [IP]	X4									

CODE	DESCRIPTION	DIMENSIONS [mm]				WEIGHT [kg]	U.M.	 Pieces per box
		ØD	B	H	L			
30360150	MIXED-FLOW FANS - "IN LINEA" MODEL 100	96	167	190	246	1,4	PCS	1
30360160	MIXED-FLOW FANS - "IN LINEA" MODEL 125	123	167	190	246	1,8	PCS	1
30360170	MIXED-FLOW FANS - "IN LINEA" MODEL 150	146	223	250	295	3,2	PCS	1
30360250	MIXED-FLOW FANS - "IN LINEA" MODEL 200	199	239	261	295,5	4	PCS	1
30360260	MIXED-FLOW FANS - "IN LINEA" MODEL 250	247	287	323	383	7,8	PCS	1

**Datasheet**





**IN-LINE CIRCULAR DUCT FAN, SINGLE PHASE AC CENTRIFUGE**

**TECHNICAL SPECIFICATIONS**

- Made of ABS
- Installation protection rating IPX4
- Axial assembly on pipe



**VENTILATEUR EN LIGNE DE CONDUIT CIRCULAIRE, CENTRIFUGEUSE AC MONOPHASÉE**

**CARACTÉRISTIQUES TECHNIQUES**

- Fabriqué en ABS
- Degré de protection de l'installation IPX4
- Montage axial sur tube



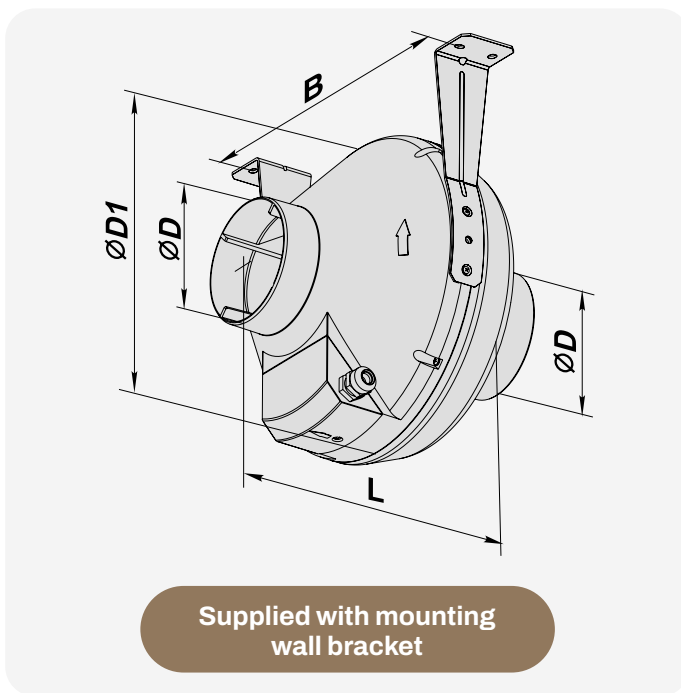
**INLINE-VENTILATOR MIT RUNDDEM KANAL, EINPHASIGES AC ZENTRIFUGUM**

**TECHNISCHE EIGENSCHAFTEN**

- Aus ABS
- Schutzart IPX4
- Axial Montage auf Rohr

The in-line extraction fan is **ideal for ventilation in rigid and/or flexible circular ducts for the delivery or expulsion of air in domestic rooms, offices, shops and bathrooms.**

It is made of plastic material to reduce the formation of condensate and the already low noise of the fan at both minimum and maximum speed. The included support allows installation both vertically and horizontally, **on the floor, wall or ceiling.**



**TECHNICAL DATA**

MODEL	100	125	150/160	200	250
Electrical power input (W)	80	79	80	107	173
Current (A)	0,34	0,34	0,35	0,47	0,76
Maximum flow rate (m³/h)	250	355	460	780	1080
Rotation frequency (RPM)	2820	2800	2725	2660	2090
Power supply [W]	230V +/-10% single-phase				
Frequency	50 Hz				
Insulation class	Class II				
protection rating	IPX4				
Maximum transported air temperature (°C)	-25 ÷ +60				

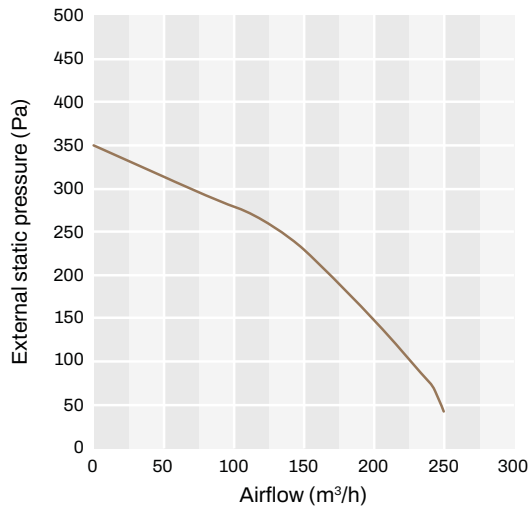
CODE	DESCRIPTION	DIMENSIONS [mm]				WEIGHT [kg]	U.M.	Pieces per box
		ØD	ØD1	B	L			
ACC500009	FAN FOR CIRCULAR DUCTS Ø100 - "IN LINEA"	100	250	270	230	2,01	PCS	1
ACC500010	FAN FOR CIRCULAR DUCTS Ø125 - "IN LINEA"	125	250	270	220	2,20	PCS	1
ACC500011	FAN FOR CIRCULAR DUCTS Ø150/160 - "IN LINEA"	200	340	354	276	3,00	PCS	1
ACC500012	FAN FOR CIRCULAR DUCTS Ø200 - "IN LINEA"	150/160	300	310	286	2,45	PCS	1
ACC500013	FAN FOR CIRCULAR DUCTS Ø250 - "IN LINEA"	250	340	354	285	4,30	PCS	1

Datasheet

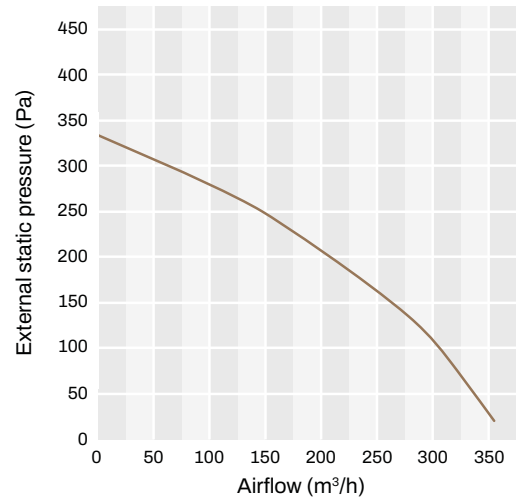


# AIRFLOW AND EFFICIENCY GRAPHS

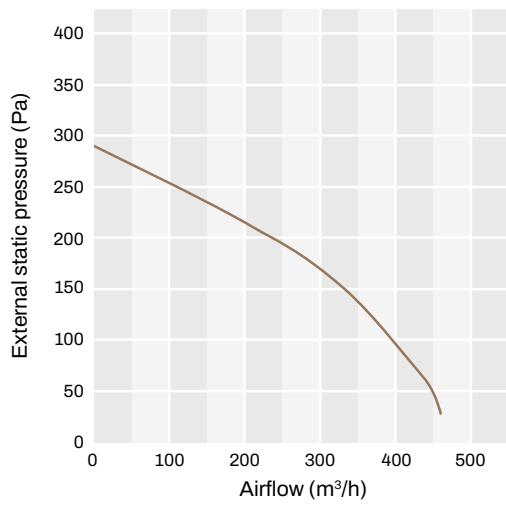
## MOD. Ø100



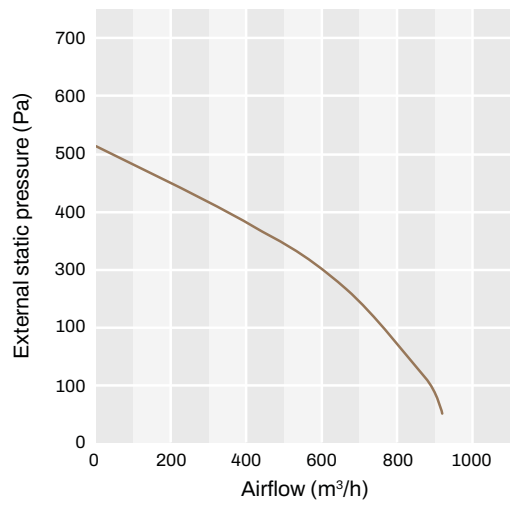
## MOD. Ø125



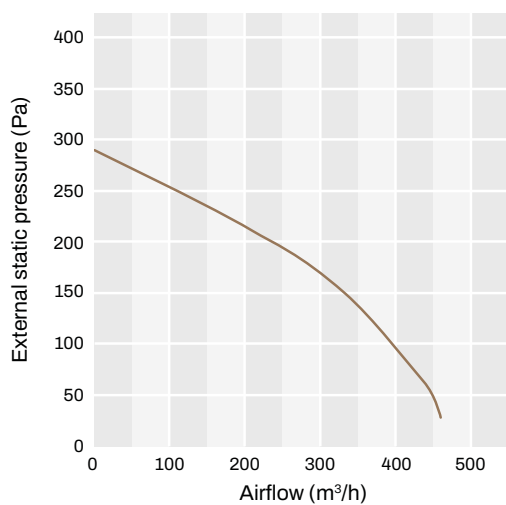
## MOD. Ø150/160



## MOD. Ø200



## MOD. Ø250





## REGULATOR FOR IN-LINE FAN FOR CIRCULAR DUCT

### TECHNICAL SPECIFICATIONS

- Power supply: 230 V - 50 Hz
- Maximum current: 1.8 A
- Maximum load connectable: 400 VA
- Dimensions 78\*78\*63 mm
- Weight: 250 g
- Installation protection rating (only from front panel): IP40

The required temperature for normal operation must be between 0°C and +35°C with a relative humidity not exceeding 80%.



## RÉGULATEUR POUR VENTILATEUR EN LIGNE POUR GOULOTTE CIRCULAIRE

### CARACTÉRISTIQUES TECHNIQUES

- Alimentation électrique: 230 V - 50 Hz
  - Courant maximal : 1,8 A
  - Charge maximale enfichable : 400 VA
  - Dimensions 78\*78\*63 mm
  - Poids: 250 g
  - Degré de protection: (à partir du panneau avant uniquement): IP40
- La température requise pour un fonctionnement normal doit être comprise entre 0°C et +35°C avec une humidité relative ne dépassant pas 80 %.




## REGLER FÜR INLINIE-LÜFTER AUS KREISFÖRMIGEM KANAL

### TECHNISCHE EIGENSCHAFTEN

- Versorgung: 230 V - 50 Hz
  - Max. Stromversorgung: 1,8 A
  - Maximal anschließbare Last: 400 VA
  - Abmessungen 78\*78\*63 mm
  - Gewicht: 250 g
  - Schutzart (nur von der Frontplatte): IP40
- Die für den normalen Betrieb erforderliche Temperatur muss zwischen 0°C und +35°C liegen, bei einer relativen Luftfeuchtigkeit von höchstens 80 %.



Datasheet

CODE	DESCRIPTION	U. M.	 Pieces per box
ACC600088	REGULATOR FOR FAN FOR CIRCULAR DUCTS - "IN LINEA"	PCS	1



**DUCTABLE EXTRACTOR WITH VERTICAL OUTPUT**

**TECHNICAL SPECIFICATIONS**

- Easy installation in false ceiling
- 5 air intake couplings
- 1 air expulsion coupling
- Operable via ON / OFF switch (not supplied)
- Recommended for kitchens, bathrooms, offices, shops

**ASPIRATEUR CANALISABLE À SORTIE VERTICALE**

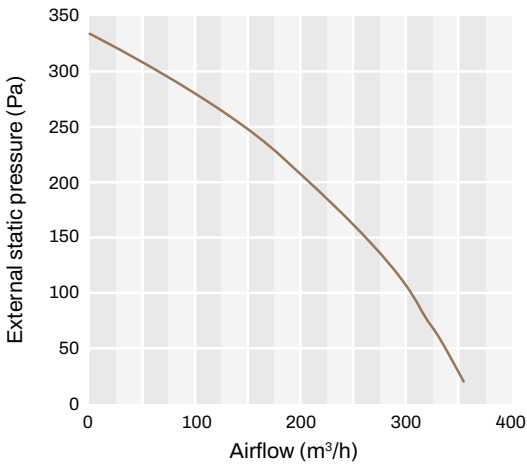
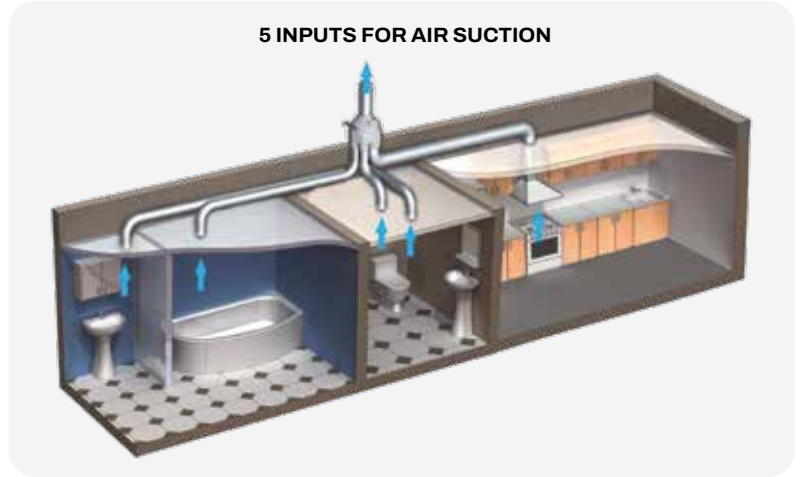
**CARACTÉRISTIQUES TECHNIQUES**

- Installation facile dans le faux plafond
- 5 raccords d'admission d'air
- 1 accessoire d'expulsion d'air
- Actionnable via l'interrupteur marche / arrêt (non fourni)
- Recommandé pour les cuisines, salles de bains, bureaux, magasins

**KANALISIERBARES SAUGGERÄT MIT VERTIKALEM AUSGANG**

**TECHNISCHE EIGENSCHAFTEN**

- Einfache Montage in Zwischendecke
- 5 Luftansaugstutzen
- 1 Luftaustrittsstutzen
- Bedienung über EIN / AUS-Schalter (nicht mitgeliefert)
- Empfohlen für Küchen, Bäder, Büros, Geschäfte

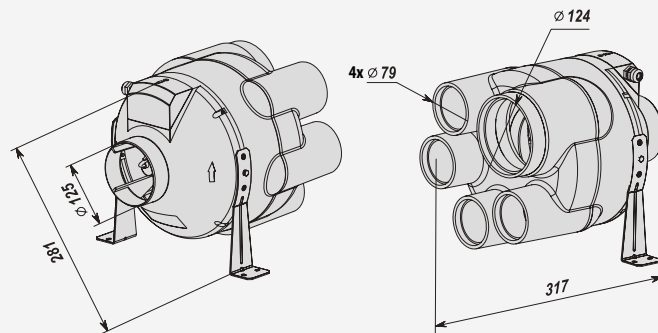


TECHNICAL DATA	
Power supply [V]	230
Frequency [Hz]	50
Power [W]	79
Absorbed current [A]	0,34
AIR FLOW RATE [M³/h]	355
RPM	2800
Max sound level [dB(A)]	46
Operating temperature max [°C]	-25 +55
Protection rating [IP]	X4
Delivery tube [mm]	1 x Ø 125
Suction tube [mm]	1 x Ø 125 - 4 x Ø 80

Airflow rate 355 m³/h

Fastening support included

Avoids condensation



[Datasheet](#)

CODE	DESCRIPTION	U.M.	Pieces per box
30360100	DUCTABLE EXTRACTOR FAN "DUCT PLUS 350"	PCS	1



**DUCTABLE EXTRACTOR WITH SIDE OUTPUT**

**TECHNICAL SPECIFICATIONS**

- Easy installation in false ceiling
- Equipped with 1 ejection hole and 4 intake holes
- Made of electro-galvanised painted metal sheet
- Pipe couplings Ø 100 mm
- Operable via switch
- Recommended for extracting air from multiple environments such as kitchens, bathrooms, shops, offices

**ASPIRATEUR CANALISABLE AVEC SORTIE LATÉRALE**

**CARACTÉRISTIQUES TECHNIQUES**

- Installation facile dans le faux plafond
- Équipé d'un trou d'éjection et de 4 trous d'aspiration
- Fabriqué en tôle galvanisée et peinte
- Raccords de tuyauterie Ø 100 mm
- Actionnable par l'intermédiaire d'un interrupteur
- Recommandé pour extraire l'air de plusieurs environnements tels que les cuisines, les salles de bains, les magasins, les bureaux

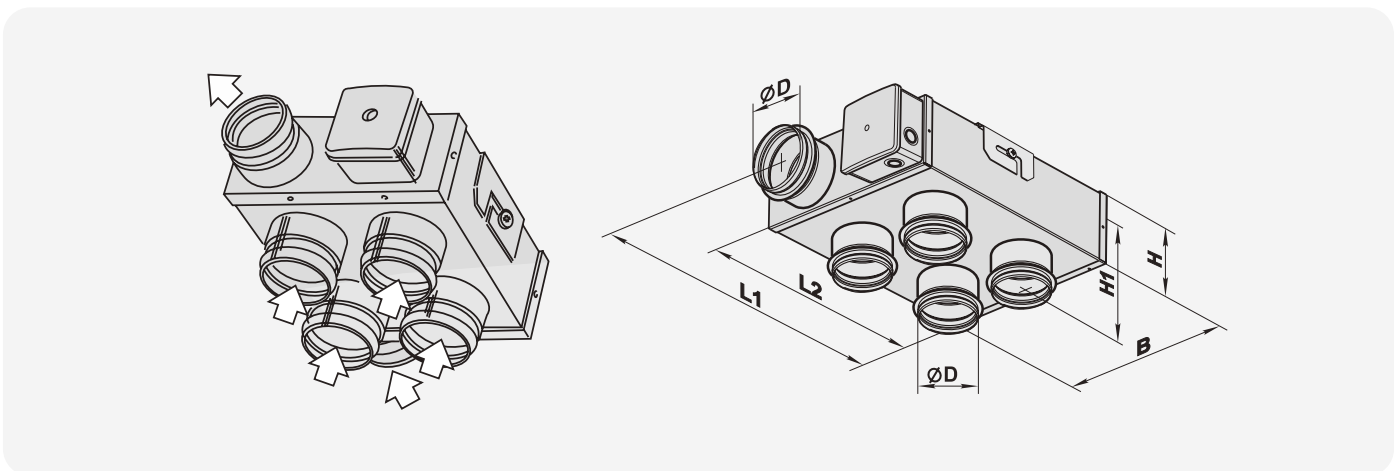
**KANALISIERBARES SAUGGERÄT MIT SEITLICHEM AUSGANG**

**TECHNISCHE EIGENSCHAFTEN**

- Einfache Montage in Zwischendecke
- Mit 1 Auswurfloch und 4 Sauglöchern
- Aus galvanisch verzinktem und lackiertem Blech
- Anschlüsse für Ø 100 mm Rohre
- Über Schalter bedienbar
- Empfohlen zum Abzug von Luft aus verschiedenen Umgebungen wie Küchen, Badezimmern, Geschäften, Büros



TECHNICAL DATA			
Speed	min. 1	med. 2	max. 3
Power supply [V]	230	230	230
Power [W]	20	26	45
Absorbed current [A]	0,32	0,34	0,4
Air flow rate [m³/h]	97	138	176
SPEED [RPM]	1400	1800	2600
Max sound level [dB(A)]	33	36	44
Operating temperature max [°C]	50	50	50
Protection rating [IP]	X4	X4	X4



DIMENSIONS [mm]						WEIGHT [kg]
Ø D	B	H	H1	L1	L2	
99	260	110	170	302	253	3,4

CODE	DESCRIPTION	U.M.	Pieces per box
11104039	DUCTED EXTRACTOR "DUCT PLUS 180"	PCS	1

**Datasheet**





## "EVEN-T" ELECTRIC EXTRACTOR

### TECHNICAL SPECIFICATIONS

- Made of ABS
- Fastening by means of hidden screws
- 7-blade fan
- Designed for ventilation of medium to small rooms
- Equipped with adjustable timer from 2 to 30 minutes
- Option to mount inside ventilation channels

CEILING OR WALL INSTALLATION



## "EVEN-T" ASPIRATEUR ÉLECTRIQUE

### CARACTÉRISTIQUES TECHNIQUES

- Fabriqué en ABS
- Fixation au moyen de vis cachées
- Ventilateur à 7 pales
- Conçu pour la ventilation des petites et moyennes pièces
- Équipé d'une minuterie réglable de 2 à 30 minutes
- Montage possible à l'intérieur des canaux de ventilation

INSTALLATION AU PLAFOND OU AU MUR

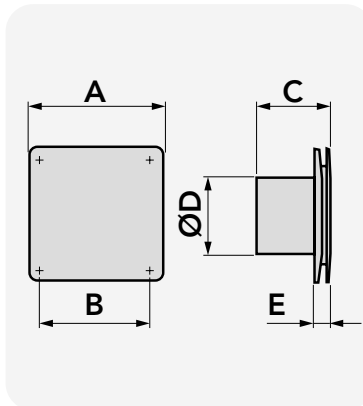


## "EVEN-T" ELEKTRISCHES SAUGGERÄT

### TECHNISCHE EIGENSCHAFTEN

- Aus ABS
- Befestigung mittels versteckter Schrauben
- 7-Blatt-Lüfter
- Ausgelegt für die Belüftung von mittelgroßen und kleinen Räumen
- Mit Timer, einstellbare von 2 bis 30 Minuten
- Mögliche Montage in Lüftungskanälen

DECKEN- ODER WANDMONTAGE



### DIMENSIONS [mm]

A	152
B	120
C	126
Ø D	100
E	30

### TECHNICAL DATA

Power supply [V]-HZ	230-50
Power [W]	14
Current [A]	0,085
RPM	2300
Extraction capacity [m³/h]	88
Air pressure [Pa]	33
Max sound level [dB(A)]	33
Weight [kg]	0,60

Datasheet



CODE	DESCRIPTION	U.M.	Pieces per box
11104028	"EVEN-T" "EVEN" ELECTRIC EXTRACTOR	PCS	1



## "LUXURY" ELECTRIC EXTRACTOR

### TECHNICAL SPECIFICATIONS

- Made of ABS
- Fastening by means of hidden screws
- 7-blade fan
- Designed for ventilation of medium to small rooms
- Wall- or ceiling-mounted
- Built-in 12 V LED light

CEILING OR WALL INSTALLATION



## "LUXURY" ASPIRATEUR ÉLECTRIQUE

### CARACTÉRISTIQUES TECHNIQUES

- Fabriqué en ABS
- Fixation au moyen de vis cachées
- Ventilateur à 7 pales
- Conçu pour la ventilation des petites et moyennes pièces
- Montage mural ou au plafond
- Lumière LED 12 V intégrée

INSTALLATION AU PLAFOND OU AU MUR

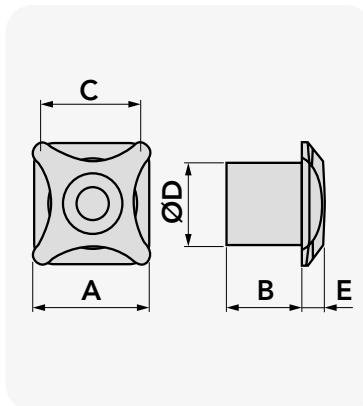


## "LUXURY" ELEKTRISCHES SAUGGERÄT

### TECHNISCHE EIGENSCHAFTEN

- Aus ABS
- Befestigung mittels versteckter Schrauben
- 7-Blatt-Lüfter
- Ausgelegt für die Belüftung von mittelgroßen und kleinen Räumen
- Wand- oder Deckenmontage
- Eingebautes 12V LED-Licht

DECKEN- ODER WANDMONTAGE



### DIMENSIONS [mm]

A	152
B	95
C	120
Ø D	100
E	36

### TECHNICAL DATA

Power supply [V]-Hz	220-50
Power [W]	16
Absorbed current [A]	0,085
SPEED [RPM]	2300
Extraction capacity [m³/h]	89
Air pressure [Pa]	31
Max sound level [dB(A)]	33
Weight [kg]	0,62

Datasheet



CODE	DESCRIPTION	U.M.	Pieces per box
11104026	"LUXURY" ELECTRIC EXTRACTOR	PCS	1

# HIGH



## "HIGH" ELECTRIC EXTRACTOR

### TECHNICAL SPECIFICATIONS

- Made of ABS
- Easy fastening with flat-head screws
- 7-blade fan
- Automatic flap opening
- Ideal for ventilation of small- to medium-sized rooms
- HIGH version that can be operated via a switch
- OPEN T version with adjustable timer option from 2 to 30 minutes
- OPEN TH version with adjustable timer option from 2 to 30 minutes and adjustable humidity sensor in the range of 60 to 90%

### CEILING OR WALL INSTALLATION



## "HIGH" ASPIRATEUR ÉLECTRIQUE

### CARACTÉRISTIQUES TECHNIQUES

- Fabriqué en ABS
- Fixation facile avec des vis rétractables
- Ventilateur à 7 pales
- Ouverture automatique du volet
- Idéal pour la ventilation des petites et moyennes pièces
- Version HIGH actionnable via un commutateur
- Version OPEN T avec option de minuterie réglable de 2 à 30 minutes
- Version OPEN TH avec option minuterie réglable de 2 à 30 minutes et capteur d'humidité réglable dans la plage de 60 à 90%

### INSTALLATION AU PLAFOND OU AU MUR



## "HIGH" ELEKTRISCHES SAUGGERÄT

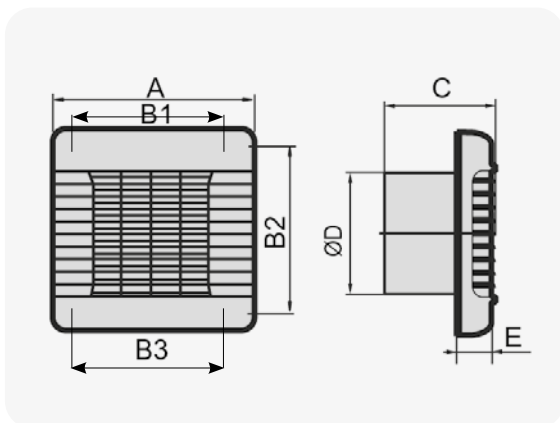
### TECHNISCHE EIGENSCHAFTEN

- Aus ABS
- Einfache Befestigung mit verdeckten Schrauben
- 7-Blatt-Lüfter
- Automatisches Öffnen der Klappen
- Ideal für die Belüftung von mittelgroßen und kleinen Räumen
- HIGH-Version, die über einen Schalter bedient werden kann
- OPEN T-Version mit einstellbarer Timer-Option von 2 bis 30 Minuten
- OPEN-TH-VERSION mit einstellbarer Timer-Option von 2 bis 30 Minuten und einstellbarem Feuchtigkeitssensor im Bereich von 60 bis 90 %

### DECKEN- ODER WANDMONTAGE



TECHNICAL DATA			
MODEL	Ø 100 mm	Ø 125 mm	Ø 150 mm
Power supply [V]	220	220	220
Frequency [Hz]	50	50	50
Power [W]	18	22	26
Absorbed current [A]	0,085	0,1	0,13
Air flow rate [m³/h]	98	185	295
Air pressure [Pa]	35	55	88
Max sound level [dB(A)]	34	35	39
SPEED [RPM]	2300	2400	2400
Weight [kg]	0,65	0,75	1,02



DIMENSIONS [mm]							
MODEL	A	B1	B2	B3	C	Ø D	E
HIGH Ø 100	165	150	150	150	92	100	32
HIGH Ø 125	190	128	173	174	98	125	33
HIGH Ø 150	212	150	195	196	114	150	33
HIGH T Ø 100	165	150	150	150	92	100	32
HIGH T Ø 125	190	128	173	174	98	125	33
HIGH T Ø 150	212	150	195	196	114	150	33
HIGH TH Ø 100	165	150	150	150	92	100	32

CODE	DESCRIPTION	U.M.	Pieces per box
11104012	"HIGH" ELECTRIC EXTRACTOR, Ø100	PCS	1
11104013	"HIGH" ELECTRIC EXTRACTOR, Ø125	PCS	1
11104014	"HIGH" ELECTRIC EXTRACTOR, Ø150	PCS	1
11104016	"HIGH T" ELECTRIC EXTRACTOR, Ø100	PCS	1
11104017	"HIGH T" ELECTRIC EXTRACTOR, Ø125	PCS	1
11104018	"HIGH T" ELECTRIC EXTRACTOR, Ø150	PCS	1
11104024	"HIGH TH" ELECTRIC EXTRACTOR, Ø100	PCS	1

Datasheet



# OPEN



## "OPEN" ELECTRIC EXTRACTOR

### TECHNICAL SPECIFICATIONS

- Ideal for ventilation of small- to medium-sized rooms
- Ultra-thin front panel
- Made of UV-resistant ABS
- 7-blade fan
- Easy fastening with flat-head screws
- OPEN version that can be operated via a switch
- OPEN T version with adjustable timer option from 2 to 30 minutes

### CEILING OR WALL INSTALLATION



## "OPEN" ASPIRATEUR ÉLECTRIQUE

### CARACTÉRISTIQUES TECHNIQUES

- Idéal pour la ventilation des petites et moyennes pièces
- Panneau avant ultra-mince
- Fabriqué en ABS résistant aux rayons UV
- Ventilateur à 7 pales
- Fixation facile avec des vis rétractables
- Version OPEN actionnable via un interrupteur
- Version OPEN T avec option de minuterie réglable de 2 à 30 minutes

### INSTALLATION AU PLAFOND OU AU MUR



## "OPEN" ELEKTRISCHES SAUGGERÄT

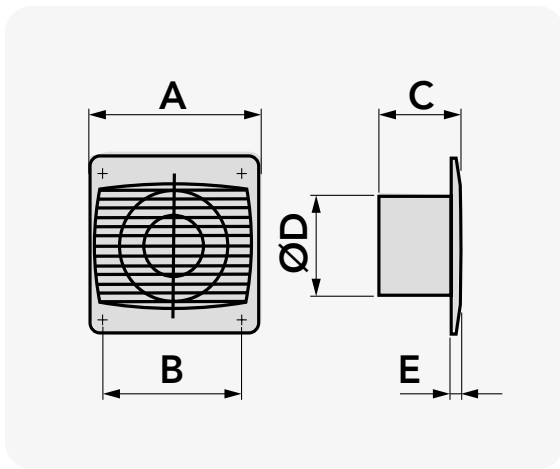
### TECHNISCHE EIGENSCHAFTEN

- Ideal für die Belüftung von mittelgroßen und kleinen Räumen
- Ultradünne Frontverkleidung
- Gefertigt aus UV-beständigem ABS
- 7-Blatt-Lüfter
- Einfache Befestigung mit verdeckten Schrauben
- OPEN-Version, die über einen Schalter bedient werden kann
- OPEN T-Version mit einstellbarer Timer-Option von 2 bis 30 Minuten


### DECKEN- ODER WANDMONTAGE



TECHNICAL DATA			
MODEL	Ø 100 mm	Ø 125 mm	Ø 150 mm
Power supply [V]	220	220	220
Frequency [Hz]	50	50	50
Power [W]	14	16	24
Absorbed current [A]	0,085	0,1	0,13
Air flow rate [m³/h]	95	180	292
Air pressure [Pa]	35	55	86
Max sound level [dB(A)]	34	35	38
Speed [RPM]	2300	2400	2400
Weight [kg]	0,58	0,75	1,13



DIMENSIONS [mm]					
MODEL	A	B	C	ØD	E
OPEN Ø100	150	120	108	100	12
OPEN Ø125	176	140	114	125	13
OPEN Ø150	205	165	132	150	14
OPEN T Ø100	150	120	108	100	12
OPEN T Ø125	176	140	114	125	13
OPEN T Ø150	205	165	132	150	14
OPEN TH Ø100	150	120	108	100	12
OPEN TH Ø125	176	140	114	125	13
OPEN TH Ø150	205	165	132	150	14

CODE	DESCRIPTION	U.M.	 Pieces per box
11104000	"OPEN" ELECTRIC EXTRACTOR, Ø100	PCS	1
11104001	"OPEN" ELECTRIC EXTRACTOR, Ø125	PCS	1
11104002	"OPEN" ELECTRIC EXTRACTOR, Ø150	PCS	1
11104004	"OPEN T" ELECTRIC EXTRACTOR, Ø100	PCS	1
11104005	"OPEN T" ELECTRIC EXTRACTOR, Ø125	PCS	1
11104006	"OPEN T" ELECTRIC EXTRACTOR, Ø150	PCS	1
11104008	"OPEN TH" ELECTRIC EXTRACTOR, Ø100	PCS	1
11104009	"OPEN TH" ELECTRIC EXTRACTOR, Ø125	PCS	1
11104010	"OPEN TH" ELECTRIC EXTRACTOR, Ø150	PCS	1

Datasheet



# CIRCLE



## "CIRCLE" ELECTRIC EXTRACTOR

### TECHNICAL SPECIFICATIONS

- Made of ABS
- Easy fastening with flat-head screws
- Silent 7-blade fan
- Ideal for ventilation of small- to medium-sized rooms
- Operable via switch
- Equipped with anti-insect mesh

### CEILING OR WALL INSTALLATION



## "CIRCLE" ASPIRATEUR ÉLECTRIQUE

### CARACTÉRISTIQUES TECHNIQUES

- Fabriqué en ABS
- Fixation facile avec des vis rétractables
- Ventilateur silencieux à 7 pales
- Idéal pour la ventilation des petites et moyennes pièces
- Actionnable par l'intermédiaire d'un interrupteur
- Équipé d'un filet anti-insectes

### INSTALLATION AU PLAFOND OU AU MUR



## "CIRCLE" ELEKTRISCHES SAUGGERÄT

### TECHNISCHE EIGENSCHAFTEN

- Aus ABS
- Einfache Befestigung mit verdeckten Schrauben
- Geräuscharmer 7-Blatt-Lüfter
- Ideal für die Belüftung von mittelgroßen und kleinen Räumen
- Über Schalter bedienbar
- Mit Insektenschutzgitter

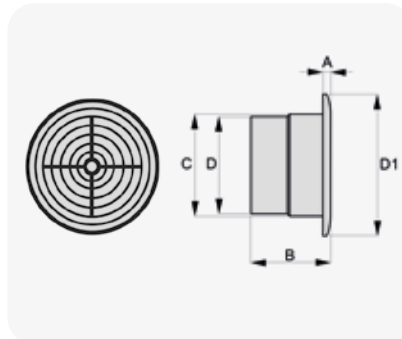
### DECKEN- ODER WANDMONTAGE



### DIMENSIONS [mm]

MODEL	A	B	C	ØD	ØD1
CIRCLE Ø100	13	104	102	100	141
CIRCLE Ø125	15	110	127	125	166
CIRCLE Ø150	15	125	152	150	188

CODE	DESCRIPTION	U.M.	Pieces per box	Datasheet
11104040	"CIRCLE" ELECTRIC EXTRACTOR, Ø100	PCS	1	
11104041	"CIRCLE" ELECTRIC EXTRACTOR, Ø125	PCS	1	
11104042	"CIRCLE" ELECTRIC EXTRACTOR, Ø150	PCS	1	



### TECHNICAL DATA

MODEL	Ø 100	Ø 125	Ø 150
Power supply [V]	220	220	220
Frequency [Hz]	50	50	50
Power consumption [W]	14	16	24
Absorbed current [A]	0,085	0,1	0,13
Air flow rate [m³/h]	98	185	292
Air pressure [Pa]	33	55	86
Max sound level [dB(A)]	34	35	38
SPEED [RPM]	2300	2400	2400
Weight [kg]	0,47	0,58	0,90

# SOTTOCAPPA



## "SOTTOCAPPA" ELECTRIC EXTRACTOR

### TECHNICAL SPECIFICATIONS

- Made of ABS
- Ideal for forced odour intake
- Operable via switch
- For both delivery and intake

### CEILING OR WALL INSTALLATION



## "SOTTOCAPPA" ASPIRATEUR ÉLECTRIQUE

### CARACTÉRISTIQUES TECHNIQUES

- Fabriqué en ABS
- Idéal pour l'aspiration forcée des odeurs
- Actionnable par l'intermédiaire d'un interrupteur
- Tant pour l'utilisation de l'alimentation que pour la récupération

### INSTALLATION AU PLAFOND OU AU MUR

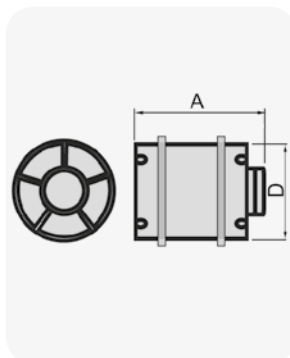


## "SOTTOCAPPA" ELEKTRISCHES SAUGGERÄT

### TECHNISCHE EIGENSCHAFTEN

- Aus ABS
- Ideal für forcierte Geruchsabsaugung
- Über Schalter bedienbar
- Sowohl für die Zuluft, als auch die Abluft zu verwenden

### DECKEN- ODER WANDMONTAGE



### TECHNICAL DATA

MODEL	Ø 100	Ø 125	Ø 150
Power supply [V] - [Hz]	230-50	230-50	230-50
Power [W]	14	16	29
Absorbed current [A]	0,085	0,1	0,13
Extraction capacity [m³/h]	107	190	305
Air pressure [Pa]	41	60	95
Max sound level [dB(A)]	36	38	40
SPEED [RPM]	2300	2400	2400
Protection rating	IPX4	IPX4	IPX4
Weight [kg]	0,41	0,43	0,80

CODE	DESCRIPTION	DIMENSIONS [mm]		U.M.	Pieces per box	Datasheet
		A	ØD			
11104030	"SOTTOCAPPA" ELECTRIC EXTRACTOR, Ø100	113	100	PCS	1	
11104031	"SOTTOCAPPA" ELECTRIC EXTRACTOR, Ø125	118	125	PCS	1	
11104032	"SOTTOCAPPA" ELECTRIC EXTRACTOR, Ø150	128	150	PCS	1	

# WINDOW



## "WINDOW" ELECTRIC EXTRACTOR

### TECHNICAL SPECIFICATIONS

- Made of ABS
- Automatic flap opening
- Recommended for extracting air from kitchens, shops, offices and restaurants
- Ideal for mounting on windows or glazing
- Equipped with adjustable timer option from 2 to 30 minutes



## "WINDOW" ASPIRATEUR ÉLECTRIQUE

### CARACTÉRISTIQUES TECHNIQUES

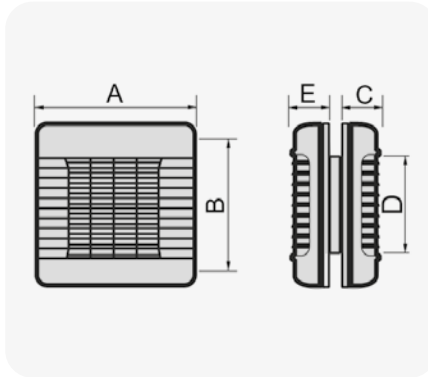
- Fabriqué en ABS
- Ouverture automatique du volet
- Recommandé pour extraire l'air des cuisines, des magasins, des bureaux et des restaurants
- Idéal pour le montage de fenêtres et vitraux
- Équipé d'une minuterie réglable de 2 à 30 minutes



## ELEKTRISCHES SAUGGERÄT

### TECHNISCHE EIGENSCHAFTEN

- Aus ABS
- Automatisches Öffnen der Klappen
- Empfohlen zum Abzug von Luft aus Küchen, Geschäften, Büros und Restaurants
- Ideal für die Fenster- und Glasfrontmontage
- Mit Timer-Option, einstellbar von 2 bis 30 Minuten



### TECHNICAL DATA

MODEL	Ø 125	Ø 150
Power supply [V]-[Hz]	230-50	230-50
Power [W]	22	26
Absorbed current [A]	0,100	0,130
Air flow rate [m³/h]	185	295
Air pressure [Pa]	55	80
Max sound level [dB(A)]	35	41
SPEED [RPM]	2400	2400
Weight [kg]	1,15	1,53

CODE	DESCRIPTION	U.M.	Pieces per box	DIMENSIONS [mm]					
				MODEL	A	B	C	D	E
11104034	"WINDOW" ELECTRIC EXTRACTOR, Ø125	PCS	1	WINDOW Ø 125	190	173	53	125	58
11104035	"WINDOW" ELECTRIC EXTRACTOR, Ø150	PCS	1	WINDOW Ø 150	212	195	60	150	66

Datasheet



## DUCTABLE CENTRIFUGAL ELECTRIC EXTRACTOR

### TECHNICAL SPECIFICATIONS

- Made of ABS
- Easy installation and maintenance
- Protection rating: IP 24
- Operable via switch
- Gravity-operated rear flap opening / closure
- Supplied with fan protection filter

CEILING OR WALL INSTALLATION



## ASPIRATEUR ÉLECTRIQUE CENTRIFUGE CANALISABLE

### CARACTÉRISTIQUES TECHNIQUES

- Fabriqué en ABS
- Installation et entretien faciles
- Degré de protection : IP 24
- Actionnable par l'intermédiaire d'un interrupteur
- Ouverture / fermeture du volet arrière par gravité
- Livré avec filtre de protection de ventilateur

INSTALLATION AU PLAFOND OU AU MUR

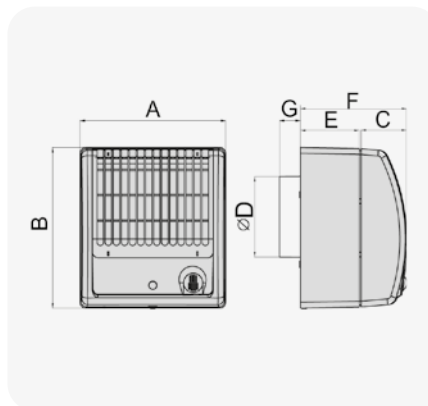


## KANALISIERBARER ELEKTRISCHER ZENTRIFUGALSAUGER

### TECHNISCHE EIGENSCHAFTEN

- Aus ABS
- Einfache Montage und Wartung
- Schutzart: IP 24
- Über Schalter bedienbar
- Öffnen / Schließen der hinteren Rippe durch Schwerkraft
- Lieferung mit Lüfterschutzfilter

DECKEN- ODER WANDMONTAGE



### TECHNICAL DATA

Power supply [V]-[Hz]	220-50
Power [W]	22
Absorbed current [A]	0,17
Air flow rate [m³/h]	122
Air pressure [Pa]	128
Max sound level [dB(A)]	38
SPEED [RPM]	2500
Weight [kg]	1,3

CODE	DESCRIPTION	DIMENSIONS [mm]							U.M.	Pieces per box
		A	B	C	ØD	E	F	G		
11104029	DUCTED ELECTRIC CENTRIFUGAL EXTRACTOR	180	195	59	100	73	132	26	PCS	1

Datasheet





CODE	PAGE	CODE	PAGE	CODE	PAGE	CODE	PAGE	CODE	PAGE
11104000	124	30100042	97	30370030	82	ACC400017	81	ACC600111	109
11104001	124	30100044	97	30370035	82	ACC400018	81	ACC600112	109
11104002	124	30100046	97	30370040	82	ACC400019	81	ACC700004	75
11104004	124	30100090	91	30370045	82	ACC400020	81	ACC700005	75
11104005	124	30100120	91	30370050	82	ACC400021	81	ACC700006	75
11104006	124	30100130	91	30370070	84	ACC400022	81	ACC700007	75
11104008	124	30100140	92	30370080	84	ACC400023	81	ACD100056	19
11104009	124	30100150	92	ACC100003	75	ACC400024	81	ACD100057	19
11104010	124	30100160	91	ACC100004	75	ACC400025	81	ACD100058	19
11104012	123	30100170	91	ACC100005	75	ACC400026	81	ACD100069	21
11104013	123	30100180	92	ACC100006	55	ACC400027	78	ACD100070	21
11104014	123	30100200	91	ACC100006	55	ACC400028	78	ACD100071	21
11104016	123	30100210	91	ACC100007	58	ACC500009	117	ACD200005	29
11104017	123	30100220	93	ACC100008	58	ACC500010	117	ACD200006	29
11104018	123	30100240	93	ACC100009	55	ACC500011	117	ACD200007	29
11104024	123	30100250	91	ACC100010	23	ACC500012	117	ACD200008	32
11104026	122	30100260	92	ACC200001	61	ACC500013	117	ACD200009	32
11104028	122	30100270	92	ACC200002	61	ACC600021	90	ACD200010	32
11104029	126	30100300	107	ACC200003	61	ACC600022	90	ACD200014	30
11104030	125	30100310	107	ACC200004	61	ACC600033	90	ACD200015	30
11104031	125	30100800	106	ACC200005	61	ACC600034	90	ACD200016	30
11104032	125	30100820	106	ACC200006	61	ACC600035	88	ACD200017	33
11104034	126	30100840	106	ACC200007	61	ACC600036	88	ACD200018	33
11104035	126	30100860	106	ACC200008	61	ACC600037	88	ACD200019	33
11104039	121	30100920	106	ACC200015	40	ACC600038	88	ACD200064	38
11104040	125	30100940	106	ACC200016	40	ACC600039	89	ACD200065	40
11104041	125	30101010	93	ACC200017	72	ACC600040	89	ACD200066	44
11104042	125	30101030	93	ACC200018	72	ACC600041	89	ACD200067	44
11104110	115	30101040	94	ACC200019	72	ACC600042	89	ACD200068	44
11104120	115	30101050	94	ACC200020	72	ACC600043	95	ACD200069	44
11104130	115	30101060	94	ACC300009	36	ACC600088	119	ACD200069	49
12300100	87	30101070	94	ACC400001	83	ACC600089	112	ACD200070	44
12300105	87	30101080	95	ACC400002	83	ACC600090	112	ACD200070	49
12300110	87	30101100	95	ACC400003	83	ACC600091	112	ACD200071	44
12300115	87	30200050	85	ACC400004	83	ACC600092	112	ACD200071	49
12300120	87	30360010	86	ACC400005	84	ACC600093	112	ACD200075	44
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12500140	64	30360040	86	ACC400008	84	ACC600096	80	ACD200078	44
12500160	67	30360050	86	ACC400009	84	ACC600097	80	ACD200078	49
12500200	64	30360060	86	ACC400010	85	ACC600098	72	ACD300003	69
12500220	67	30360100	120	ACC400011	85	ACC600099	79	ACD300004	69
12500230	64	30360150	116	ACC400012	85	ACC600100	79	ACD300005	69
12500280	67	30360160	116	ACC400013	85	ACC600101	79	ACD300006	69
12500290	64	30360170	116	ACC400014	85	ACC600102	79	ACD300007	49
12500340	67	30360250	116	ACC400015	85	ACC600109	109	ACD300008	49
12500350	64	30360260	116	ACC400016	85	ACC600110	109	ACD300009	49

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ACD600001	100	ACD600127	98
ACD600002	100	ACD600128	99
ACD600003	100	ACD600128	99
ACD600004	100	ACD600129	99
ACD600007	101	ACD600129	99
ACD600010	101	ACD600130	99
ACD600013	101	ACD600130	99
ACD600016	101	ACD600131	99
ACD600019	101	ACD600131	99
ACD600020	87	ACD600132	99
ACD600021	87	ACD600132	99
ACD600022	87	ACD600133	99
ACD600023	87	ACD600133	99
ACD600024	87	ACD600134	99
ACD600053	106	ACD600134	99
ACD600054	106	ACD600137	105
ACD600055	106	ACD600138	105
ACD600056	106	ACD600139	105
ACD600057	106	ACD600140	105
ACD600058	106	ACD600141	105
ACD600071	107	ACD600142	105
ACD600072	107	ACD600143	105
ACD600073	107	ACD600144	105
ACD600074	107	ACD600145	105
ACD600083	114	ACD600146	105
ACD600084	114	ACD600157	112
ACD600085	109	ACD600158	104
ACD600086	109	ACD600159	104
ACD600088	112	ACD600160	104
ACD600089	112	ACD600161	104
ACD600090	112	ACD600162	108
ACD600091	112	ACD600163	108
ACD600092	112	ACD600164	108
ACD600107	102	ACD600165	108
ACD600108	102	ACD600166	108
ACD600109	102	ACD600167	108
ACD600110	102	ACD600168	108
ACD600111	102	ACD600169	108
ACD600112	102	ACD600170	108
ACD600113	102	ACD600171	108
ACD600114	103	ACD600172	108
ACD600115	103	ACD600173	108
ACD600116	103	ACD600174	108
ACD600117	103	ACD600175	108
ACD600118	103	ACD600176	108
ACD600119	103	ACD600177	108
ACD600120	103	ACD600178	108
ACD600121	98	ACD600179	108
ACD600122	98	ACD600180	108
ACD600123	98	ACD600181	108
ACD600124	98	GAD100017	54
ACD600125	98		
ACD600126	98	New Products	