

ADVANTAGES OF USING PRODMAX



ENERGY-EFFICIENT

EASY TO INSTALL

GOOD PRICE

ECO-DESIGN

REMOTE CONTROL

Heat recovery up to 98%

Quiet operation

Constant flow technology
(on premium models)

Energy efficiency

Collaboration with GWC

Compatible with „air quality” sensor
- anti-smog system

PRODMAX

Heat exchanger
Cross-flow or enthalpy heat ex-
changer (for premium models)

100% By-pass
(on selected models)

Cooperation with cooling module

Easy filterreplace-
ment with na-
no-silver coating

Remote control

Internet module
(on selected models)

Compliant with ecodesign
directive

COMFORT AND REMOTE CONTROL SYSTEMS

NANO COLOR – room panel

NANO COLOR is a room panel cooperating with COMPIT controllers. It can set the desired comfort temperature, eco temperature and the temperature in the programme OUTSIDE THE HOUSE (HOLIDAY). Switching between comfort and eco temperature and the zone OUTSIDE THE HOUSE is performed automatically by means of a programmed daily and weekly schedule. Additionally, the thermostat has a holiday schedule and a manual operation mode.

NANO ONE – room panel

NANO ONE is a room thermostat cooperating with COMPIT controllers. It can set the desired comfort temperature, eco temperature and the temperature in the programme OUTSIDE THE HOUSE (HOLIDAY). Switching between comfortable and eco temperature is performed automatically by means of a programmed daily and weekly schedule. In addition, the thermostat has a holiday schedule and a manual operation mode.

NANO S – room panel

The Nano S room thermostat works in conjunction with the Aero 4 ventilation module to change the room temperature setpoint, set the fan speed and open/close THE BYPASS.



OPTIONAL EQUIPMENT

Internet module

iNEXT is a web-based system for remote access to controllers: boilers, heat pumps, solar exchangers and other heating system devices such as e.g. room or mixer controllers.



SHK sensor

The sensor is designed for measuring humidity and temperature in ventilation ducts.



SHW module

The sensor is designed for measuring humidity and temperature in the rooms.



CSF module

The AERO CSF is an additional module that extends the capabilities of the AERO 4 with a balanced airflow function.



Air Filter

Air Filter – duct filter, through the triple filtration system, efficiently purifies air, so that it is free from harmful substances that may have a negative impact on the human body.



SHC module

The sensor is designed for measuring carbon dioxide concentration, humidity and temperature in rooms.



PRODMAX
RECUPERATION SYSTEMS

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PRODMAX
RECUPERATION SYSTEMS

AIR HANDLING UNITS WITH HEAT RECOVERY

*We take care
of your home's climate!*



Today, we are increasingly investing in good insulation of buildings and airtight windows to minimise energy losses. However, this is linked to the fact that natural ventilation is hindered, which causes buildings to become damp and consequently develop moulds and fungi. They are not indifferent to our health. The solution to this situation are intelligent ventilation systems that will help us create the right climate in our homes.

RECUPERATION

It is a modern mechanical ventilation system based on recovering heat energy with the use of a heat exchanger. This process takes place in a special ventilation centre (recuperator) equipped with such an exchanger. The principle of operation of ventilation with heat recovery consists in supplying and heating fresh air to a residential building with used air removed from the building and passed through a heat exchanger.

AIR HANDLING UNITS



ADVANTAGES OF PRODMAX RECUPERATION CENTRES

- HEAT EXCHANGER**
The most efficient and reliable cross-flow polystyrene heat exchanger with high efficiency of heat exchange (efficiency up to 98%) made by reputable companies with many years of experience, offering their products to the best manufacturers of air handling units on the market.
- FANS**
Direct current (EC) electrically commutated motors of a renowned company have been applied. They are equipped with external rotor and forward curved blades. These types of motors are currently the most innovative solution in the field of energy saving. eC motors provide high efficiency and control over the full fan speed range. Unquestionable advantage of eC motors is their high KPD coefficient (up to 90%).
- BYPASS**
Offered air-handling units are equipped with a 100% by-pass, ensuring, if necessary, the possibility of cooling the premises thanks to the direct supply of cool air from

- outside during the summer period without the necessity to replace the exchanger with summer cassettes, which, from the perspective of time and operation is quite cumbersome.
- CONTROL**
Advanced automatics allows to precisely adjust parameters of the air handling unit according to the current installation and weather conditions. smooth adjustment of the fans' rotations, time schedule of settings, anti-freeze control, anti-smog system, bypass adjustment, Internet module are only some of the controller's functions which allow to optimize the unit's operation.
 - CSF MODULE**
The AERO CSF is an additional module that extends the capabilities of the Aero 4 with the function of balanced airflow. The Compit StableFlow function maintains the set airflow taking into account the prevailing weather conditions or dirt on the filters. For the correct operation of the CSF function the cooperation with the Nano Color panel with at least 8.01 version of the software is required.



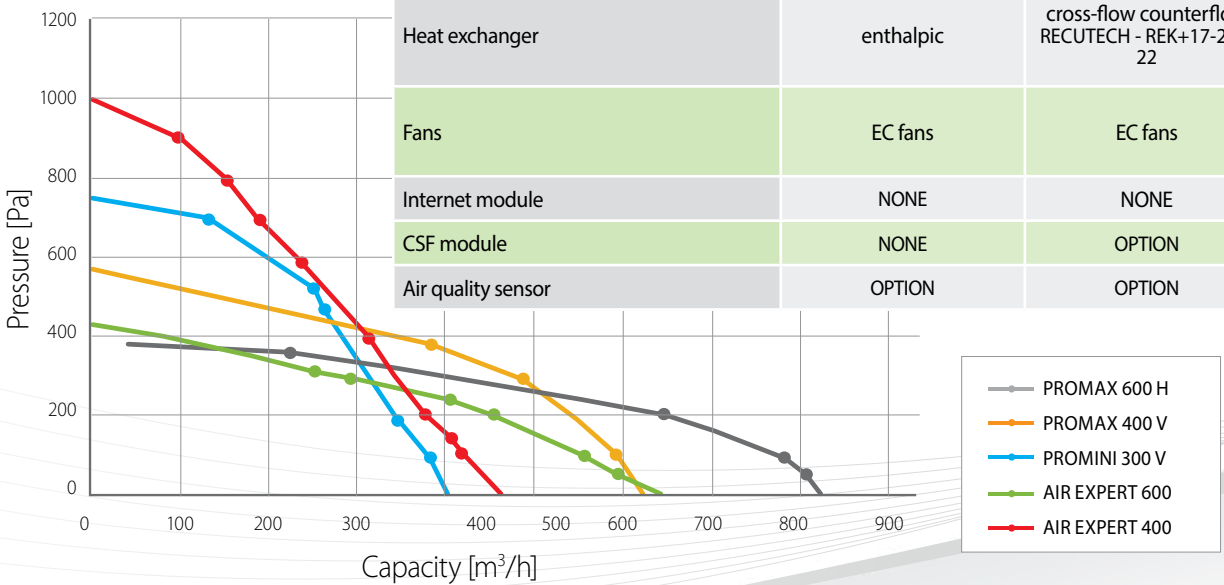
Pic.
Recuperation system
with GWC.

TECHNICAL PARAMETERS OF PRODMAX RECUPERATION CENTRES IN CLASSIC VERSION

ALSO AVAILABLE IN BASIC AND PREMIUM VERSION

TECHNICAL CHARACTERISTICS:	HEKO 250 / VEKO 250	PRO MINI 300 V / H	PRO MAX 400 V	PRO MAX 400 H	PRO MAX 600 H	AIR EXPERT 400 H	AIR EXPERT 600 H	AIR EXPERT 400 V	AIR EXPERT 600 V
Voltage [V/Hz]	1 x 230 V	1 x 230 V	1 x 230 V	1 x 230 V	1 x 230 V	1 x 230 V	1 x 230 V	1 x 230 V	230 V
Fan	RG11 Ziehl Abeg	Ziehl Abeg RH19V-4IP. Z8.AR RADIAL 190 VPRO WITH EC055 MOTOR	Rosenberg GREG9 160x62R	Rosenberg GREG9 160x62R	EBM - D3G146-HQ13-63 EBM-PAPST radial	Ziehl Abeg RH19V-4IP. Z8.AR RADIAL 190 VPRO WITH EC055 MOTOR	EBM - D3G146-HQ13-62 EBM-PAPST radial	Ziehl Abeg - GR20V-4IP. Z8.AR	Ziehl Abeg GR20V-4IP.Z8. AR
Maximum fan power	2 szt x 90 W	2 szt x 170 W	2 szt x 149 W	2 szt x 149 W	2 szt x 230 W	2 szt x 170 W	2 szt x 230 W	2 szt x 170 W	2szt 170 W
Maximum fan current consumption [A]	2x0,39 A	2 x 0,74 A	2 x 0,65 A	2 x 0,65 A	2 x 1 A	2 x 0,74 A	2 x 1 A	2 x 0,74 A	2x0,74 A
Rotation speed [min-1]	4230	4000	1390	1390	2400	4000	2400	3400	3400
Maximum temperature of pumped air [°C]	-20 do+50	-20 do +60	-20 do +50	-20 do +50	-20 do +50	-20 do +50	-20 do +50	-20 do +50	-20 do +50
Exchanger type	cross-flow counterflow enthalpic	cross-flow counterflow	cross-flow counterflow	cross-flow counterflow	cross-flow counterflow	cross-flow counterflow	cross-flow counterflow	cross-flow counterflow	cross-flow counterflow
Maximum exchanger efficiency [%]	do 90 %	do 90%	do 98%	do 98%	do 98%	do 98%	do 98%	do 98%	do 98%
Exchanger material	polystyrene	aluminium	polystyrene	polystyrene	polystyrene	polystyrene	polystyrene	polystyrene	polystyrene
Casing material	galvanised steel (painted)	painted steel	painted steel	painted steel	painted steel	EPP/painted steel	EPP/painted steel	EPP/painted steel	EPP/painted steel
Insulation	6 mm,foam rubber	20 mm, mineral wool	40 mm, mineral wool	40 mm, mineral wool	40 mm, mineral wool	EPP	EPP	EPP	EPP
Filter: intake	G4	M5	M5	M5	M5	M5	M5	M5	M5
Filter: exhaust	G4	G4	G4	G4	G4	G4	G4	G4	G4
Diameter of air connection stubs	Ø 100 mm	Ø 125 mm	Ø 160 mm	Ø 200 mm	Ø 200 mm	Ø 160 mm	Ø 200 mm	Ø 200 mm	Ø 200 mm
Weight [kg]	16,3	28	68	68	93	45	45	32	32
Displacement pressure 100Pa [m3/h]	265	290 (V)/280 (H)	470	485	655	420	615	420	625
Room panel	Nano Color	Nano Color	Nano Color	Nano Color	Nano Color	Nano Color	Nano Color	Nano Color	Nano Color
Type of controller	Aero 4	A4	A4	A4	A4	A4	A4	A4	A4
Dimensions [length x width x height]	682 x 474 x 243	725 x 245 x 585	878 x 745 x 677	878 x 745 x 677	1178 x 745 x 722	1205 x 797 x 430	1205 x 797 x 430	1075 x 770 x 602	1075 x 770 x 602
Preliminary heater power [kW]	NONE	0,5	2,0	1,0	1,7	2,0	2,0	2	2
Current consumption [A]	NONE	2,17	8,70	4,35	7,39	8,69	8,69	8,69	8,69
Power of secondary heater [kW]	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Secondary heater power [A]	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Total power of appliance [kW]	0,186	0,8475	2,3055	1,3055	2,1675	2,3475	2,3475	2,3475	2,3475
Total equipment power [A]	1	8,87	15,22	10,87	14,61	15,39	15,39	15,39	15,39
Bypass	NONE	YES - AUTOMATIC	YES - AUTOMATIC	YES - AUTOMATIC	YES - AUTOMATIC	YES - AUTOMATIC	YES - AUTOMATIC	YES - AUTOMATIC	YES - AUTOMATIC
Heat exchanger	enthalpic	cross-flow counterflow RECUTECH - REK+17-240- 22	cross-flow counterflow CORE RS160-500-000	cross-flow counterflow CORE RS160-500-000	cross-flow counterflow CORE RS160-500-000	cross-flow counterflow CORE RC160ND - H500 MN/CORE HRV366-H- 500-LR	cross-flow counterflow CORE RC160ND - H500 MN/CORE HRV366-H- 500-LR	cross-flow counterflow CORE RC160ND - H500 MN/CORE HRV366-H- 500-LR	cross-flow counterflow CORE RC160ND - H500 MN/CORE HRV366-H- 500-LR
Fans	EC fans	EC fans	EC fans	EC fans	EC fans	EC fans	EC fans	EC fans	EC fans
Internet module	NONE	NONE	YES	YES	YES	YES	YES	YES	YES
CSF module	NONE	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION
Air quality sensor	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION	OPTION

Performance of ProDmax
air handling units.



FAST PRICE! PROJECT INCLUDED IN THE PRICE OF EACH INSTALLATION!

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RECUPERATION SYSTEMS