

WANAS[®]

**LIGHT
QUIET
BILATERAL
SMALL
FRUGAL**



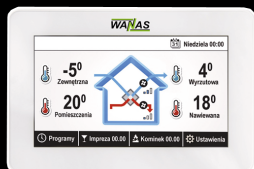
WANAS BLACK

**HEAT RECUPERATORS DESIGNED FOR
SMALL HOUSES AND APARTMENTS**

SELECT CONTROLS - SELECT OPTIONS

BLACK recuperators also feature a new control system.

DISPLAY V2



- COLOR DISPLAY
- BUILT-IN XF SYSTEM
- HUMIDIFIER CONTROL
- USB PORT FOR UPDATES
- GWC CONTROL
- HEATER/COOLER CONTROL
- FIRE ENTRANCE
- MODBUS RTU PROTOCOL
- POSSIBILITY OF EXPANDING WITH A HUMIDITY SENSOR miniControl
- POSSIBILITY OF EXPANDING WITH INTERNET CONTROL

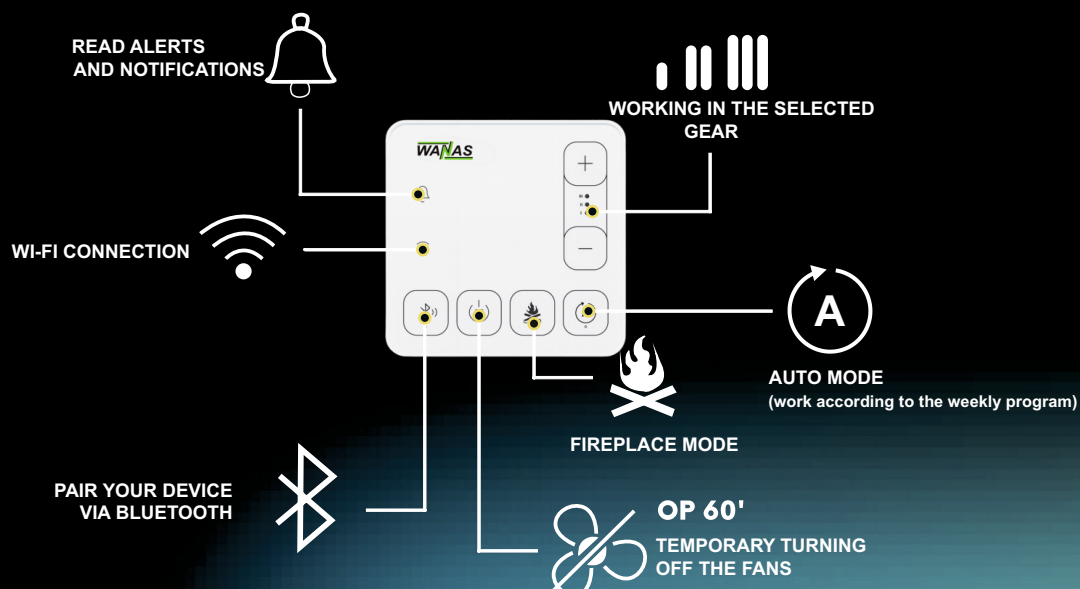
DISPLAY V3



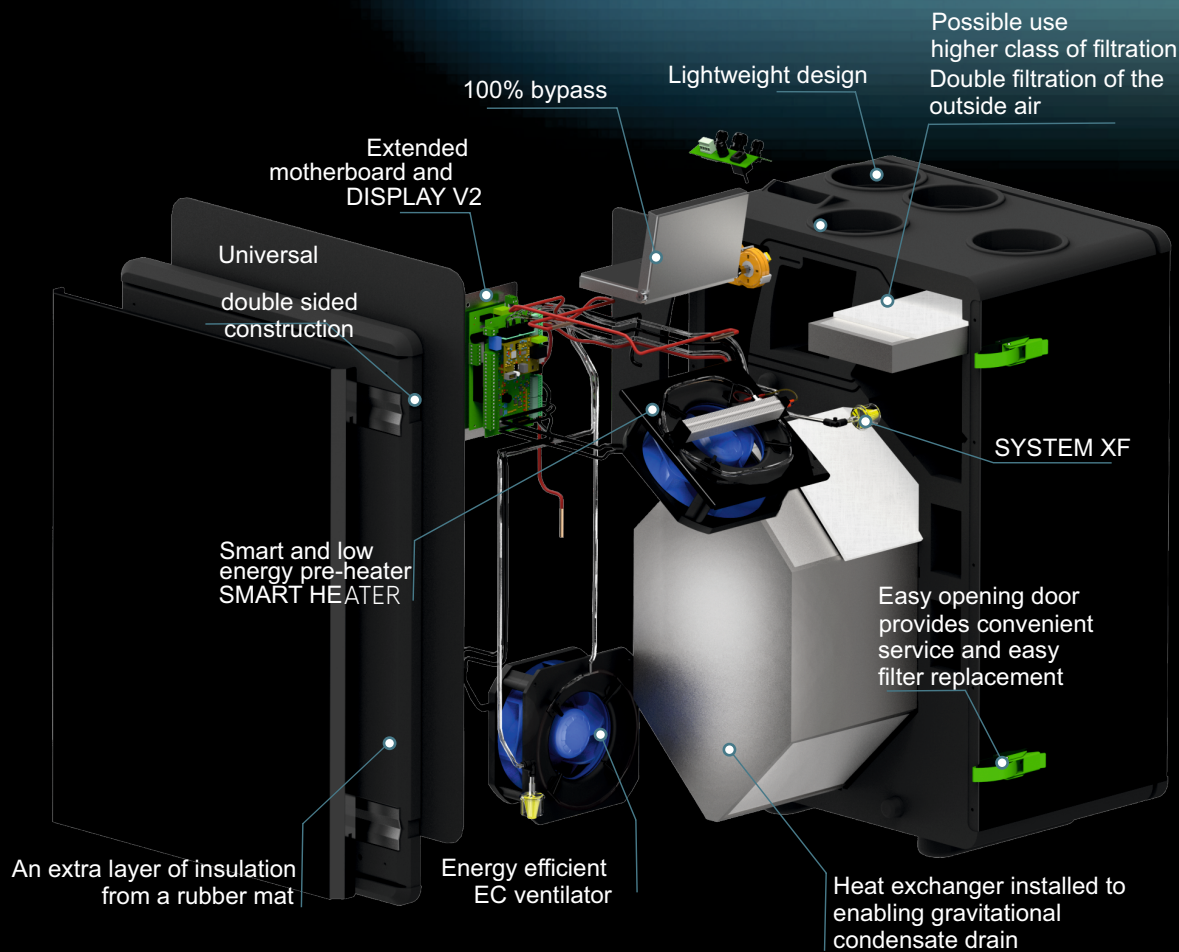
- THE MOST IMPORTANT FUNCTIONS AT YOUR FINGERTIPS
- HEATER/COOLER CONTROL
- INTERNET CONTROL
- UPDATE VIA INTERNET
- MODBUS RTU PROTOCOL
- BUILT-IN HUMIDITY SENSOR
- POSSIBILITY OF EXPANDING WITH CONTROL:
 - GWC
 - EXTRA TEMP SENSOR
 - HUMIDIFIER

GET TO KNOW DISPLAY V3

A MINIMALIST CONTROLLER WILL ALLOW YOU TO USE
ALL THE MOST IMPORTANT FUNCTIONS OF THE HEAT RECOVERY UNIT



WANAS BLACK XF



DISCOVER THE ADVANTAGES:

- MODERN DESIGN
- UNIVERSAL - DOUBLE-SIDED RECUPERATOR CONSTRUCTION (RIGHT/LEFT)
- ULTRA QUIET UNIT - ONLY 39 dBA MEASURED AT 1 M. DISTANCE
- HIGH THERMAL EFFICIENCY - UP TO 93.5%
- EXTREMELY LIGHT UNIT - THE RECUPERATOR WEIGHTS ONLY 29.5 KG
- TRULY ECONOMICAL - LOW POWER CONSUMPTION BY THE FANS
- VERY GOOD INSULATION - BODY MADE OF EPP
- POSSIBILITY OF HIDDEN INSTALLATION, E.G. IN A FURNITURE LINE

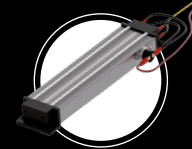
BLACK SERIES RECUPERATORS ARE THE FIRST WANAS UNITS WHOSE BODY IS COMPLETELY IT IS MADE OF DURABLE, FOAMED POLYPROPYLENE. USING MODERN TECHNOLOGY ALLOWED TO OBTAIN A RECUPERATOR WITH EXCEPTIONAL INSULATION PROPERTIES AND THERMAL. THE ENTIRE STRUCTURE AND THE LOCATION OF THE FANS DECIDED ABOUT ACHIEVING EXTREMELY QUIET OPERATION.



**MODERN
CONTROLLER**



**3 ANTI-FREEZE
ALGORITHMS**



**AUTOMATICALLY
MODULATING
HEATER**



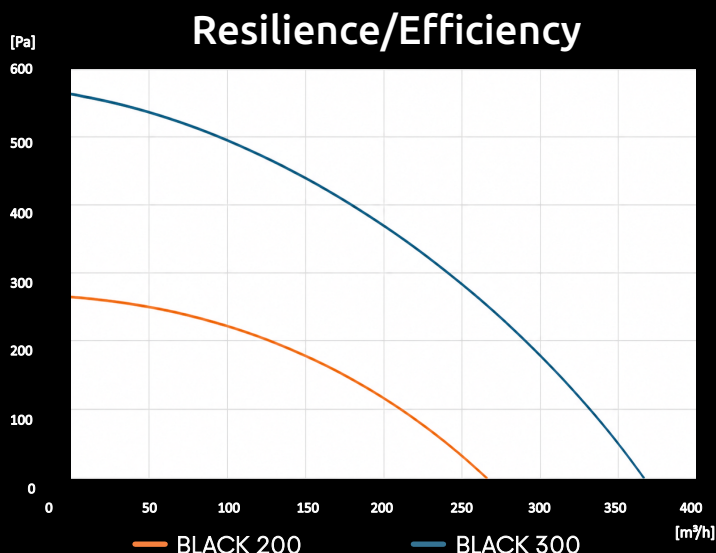
**AUTOMATIC
FLOW
BALANCING**



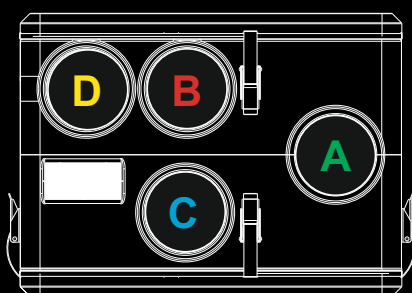
**AUTOMATIC
100% BYPASS**



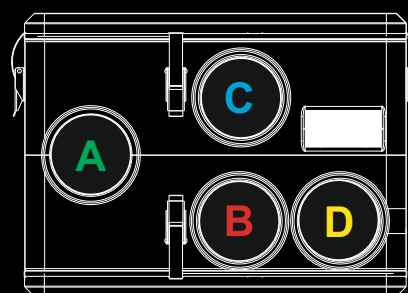
**COMMUNICATION
PROTOCOL**



TECHNICAL DATA		BLACK 200V	BLACK 300V
JZE class	-	A+	A
JZE for a temperate climate	kWh/(m²/year)	-38,5	-36
JZE for cold climates	kWh/(m²/year)	-77	-73,9
JZE for a warm climate	kWh/(m²/year)	-13,8	-11,7
Max flow rate (at 100 Pa)	m³/h	200	320
Available static pressure at nominal value	Pa	100	150
Sound power (for gear I/according to EU 1254/2014)	dB(A)	39	40
Energy consumption	W	17-84	17-242
Preheater power	W	500	500
Power supply	V/Hz	230/50	230/50
Diameter of the nozzles	mm	125	125
Max. efficiency according to EU 1254/2014, ŞT=13°C, at 120 m³/h, SWM	%	92,6	92
Height	mm	884	
Width	mm	579	
Depth	mm	430	
Weight	kg	28	
Filter class	ISO COARSE 75% + ePM 10 50%		



RIGHT VERSION



LEFT VERSION

- A - air drawn in from outside the building
- B - air drawn from the rooms
- C - air supplied to rooms
- D - air expelled from the building

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SEE



CHANGING VERSION
FROM RIGHT-HAND
TO LEFT-HAND



INTERIOR
AND CONTROLS