

**WANAS**<sup>®</sup>

**LIGHT  
QUIET  
SMALL  
TWO-SIDED  
ECONOMICAL**



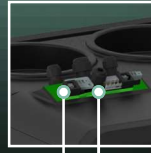
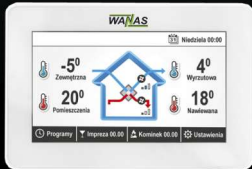
# **WANAS BLACK**

**RECUPERATORS DESIGNED FOR SMALL  
HOUSES AND FLATS**

# CHOOSE YOUR CONTROL SYSTEM - CHOOSE YOUR OPTIONS

BLACK RECUPERATORS ALSO HAVE A NEW CONTROL SYSTEM

## DISPLAY V2



## NEW! DISPLAY V3

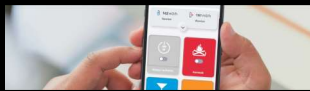


- BUILT-IN XF SYSTEM
- COLOUR DISPLAY
- HUMIDIFIER CONTROL
- USB PORT FOR UPDATES
- GROUND-COUPLED HEAT EXCHANGER CONTROL
- HEATER/COOLER CONTROL
- FIRE CONTROL INPUT
- MODBUS RTU PROTOCOL
- CAN BE EXPANDED WITH THE miniControl HUMIDITY SENSOR
- CAN BE EXPANDED TO INCLUDE INTERNET CONTROL

- KEY FUNCTIONS AT YOUR FINGERTIPS
- HEATER/COOLER CONTROL
- INTERNET CONTROL
- UPDATING VIA INTERNET
- MODBUS RTU PROTOCOL
- BUILT-IN HUMIDITY SENSOR
- CAN BE EXTENDED WITH THE FOLLOWING:
  - GROUND-COUPLED HEAT EXCHANGER CONTROL
  - EXTRA TEMP SENSOR CONTROL
  - HUMIDIFIER CONTROL

## KNOW DISPLAY V3

MINIMALIST CONTROLLER WILL ALLOW YOU TO USE ALL THE MOST IMPORTANT FUNCTIONS OF YOUR RECUPERATOR



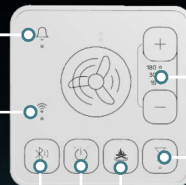
READ ALERTS AND NOTIFICATIONS



DURATION OF THE PARTY MODE



WI-FI CONNECTION



PARTY MODE



PAIR YOUR DEVICE VIA BLUETOOTH

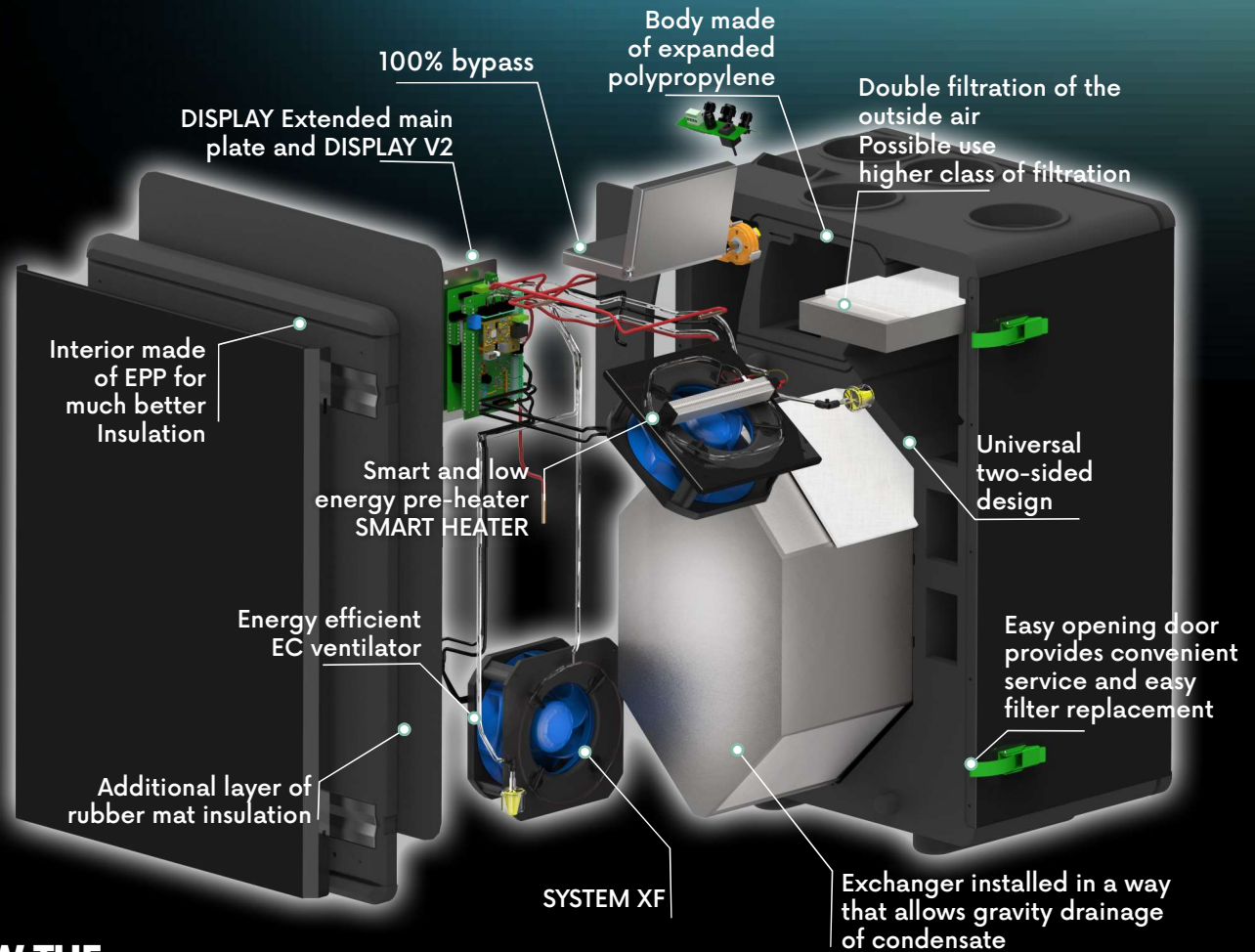
FIREPLACE MODE



STOP 60' TEMPORARY SHUTDOWN OF FANS



# WANAS BLACK XF



## KNOW THE ADVANTAGES

- MODERN DESIGN
- UNIVERSAL - TWO-SIDED DESIGN OF THE RECUPERATOR (RIGHT/LEFT)
- ULTRA QUIET UNIT - ONLY 46 dBA MEASURED AT 1 M DISTANCE
- HIGH THERMAL EFFICIENCY OF UP TO 93.5%
- EXTREMELY LIGHTWEIGHT UNIT - RECUPERATOR WEIGHS ONLY 29.5 KG
- TRULY ECONOMICAL - LOW FAN POWER CONSUMPTION
- EXCELLENT INSULATION - BODY MADE OF EPP
- POSSIBILITY OF CONCEALED INSTALLATION, E.G. IN A LINE OF FURNITURE

BLACK SERIES RECUPERATORS ARE THE FIRST WANAS AIR-HANDLING UNITS WITH A BODY MADE ENTIRELY OF DURABLE EXPANDED POLYPROPYLENE. THANKS TO THE USE OF MODERN TECHNOLOGY, THE RECUPERATOR HAS EXCEPTIONAL INSULATION AND THERMAL PROPERTIES. THE OVERALL DESIGN AND THE POSITIONING OF THE FANS RESULTS IN EXCEPTIONALLY QUIET OPERATION.



MODERN  
DISPLAY



3 ALGORITHMS  
ANTI-FROST



AUTOMATICALLY  
MODULATED  
HEATER



AUTOMATIC  
FLOW  
BALANCING

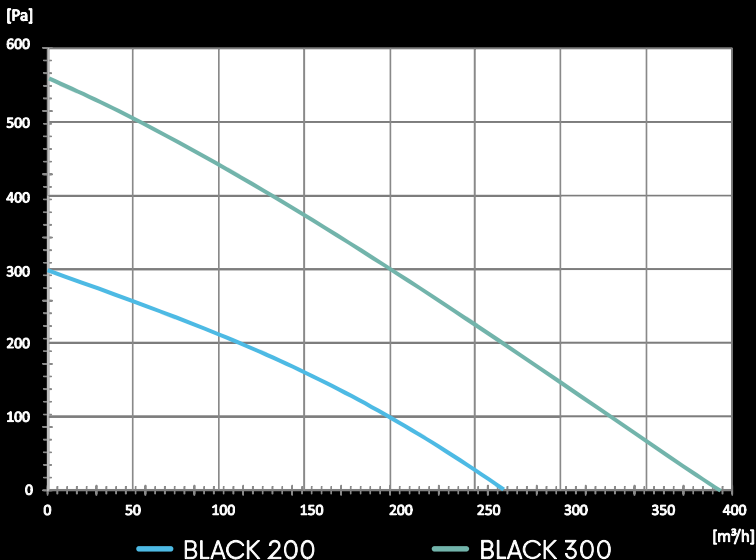


AUTOMATIC  
100% BYPASS

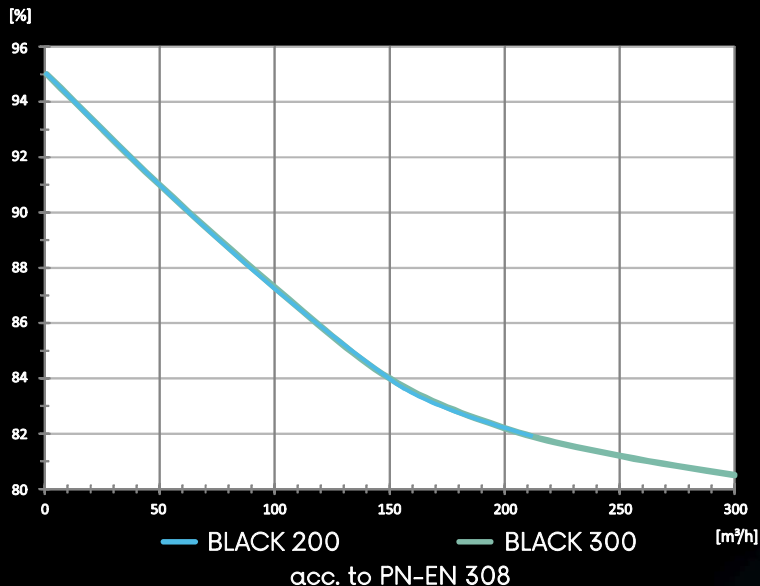


PROTOCOL  
COMMUNICATION

## EFFICIENCY / FLOW RATE



## EXTERNAL STATIC PRESSURE / FLOW RATE

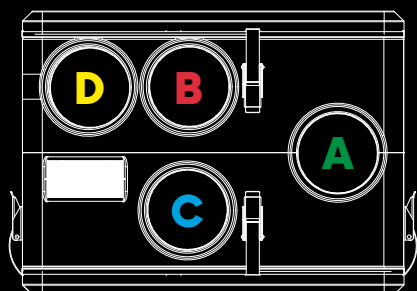


## PARAMETERS

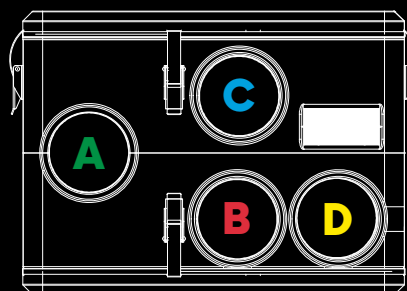
		BLACK 200V	BLACK 300V
UEC (unit energy consumption) class	-	A	A
UEC for moderate climate	kWh/(m²/year)	-37,41	-34,17
UEC for cool climate	kWh/(m²/year)	-74,89	-70,87
UEC for warm climate	kWh/(m²/year)	-13,31	-10,52
Max. flow rate (at 100 Pa)	m³/h	200	332
External static pressure at nominal value	Pa	100	150
Acoustic power (gear I/ acc. to UE 1254/2014)	dB(A)	39/46	42/55
Energy consumption	W	16-84	25-208
Pre-heater power	W	500	500
Power supply	V/Hz	230/50	230/50
Stub pipe diameter	mm	125	125
Max. efficiency acc. to UE 1254/2014, $\zeta T=13^{\circ}C$ , at 120 m³/h, SWM	%	93,5	93,5
Efficiency acc. to UE 1254/2014, $dT=13^{\circ}C$ , SWM	%	84,5	81,5
Height	mm		870
Width	mm		581
Depth	mm		430
Weight	kg		29,5

Filter class

ISO COARSE 75%  
+ ePM 10 50%



STANDARD VERSION



LEFT VERSION

- A - external fresh air
- B - air extraction from rooms
- C - air supply to rooms
- D - spent air discharge to the outside

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Wybieraj  
Polskie