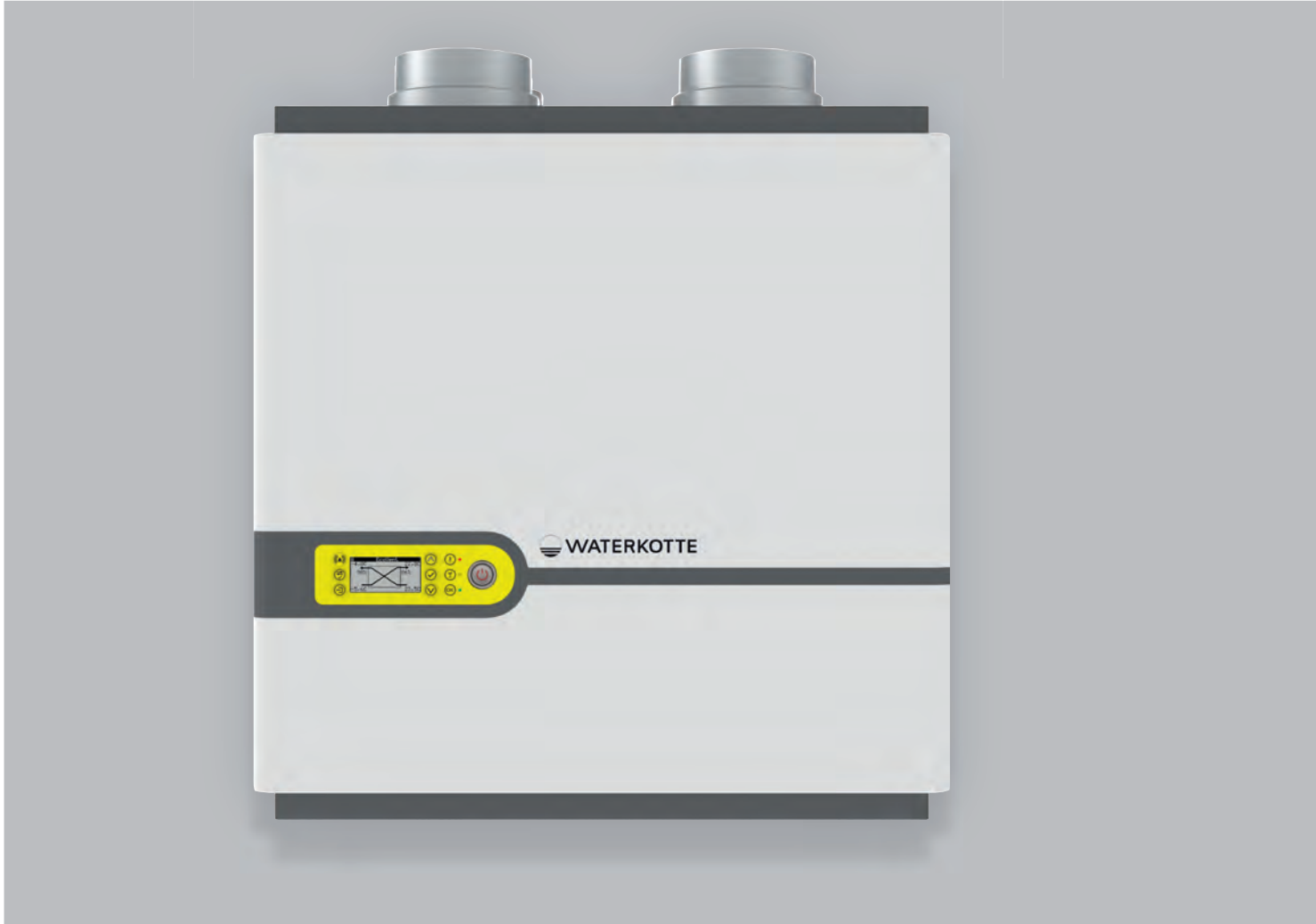


Efficiency at its most beautiful

Central living quarters ventilation | BasicVent / EcoVent



BasicVent | Central living area ventilation



Heating and ventilation one system

The quality of the room climate is the result of the air temperature, atmospheric humidity, CO₂ content and air movement. All of these aspects are controlled by our innovative ventilation unit BasicVent. The system can be combined with all heating systems.

Energy-saving by means of heat recovery

Using a heat exchanger, BasicVent transfers the heat from the exhaust air to the incoming fresh air. The inlet air heated in this manner provides a pleasant room climate and saves up to 90 % of the heating costs - for the ventilation.

Clean air due to filtering

BasicVent draws stale air from the rooms and supplies fresh air in its place. This fresh air is purified by a fine-pore filter system. Optional finer filters allow to retain pollen and fine dust.

System solution that impresses

Due to optimised airflow and highly efficient motors, BasicVent achieves very good efficiency. Another advantage is the modern control using an LCD or smartphone app.

Features

- Central inlet/exhaust air unit with heat recovery
- Cross-counter flow heat exchanger
- Heat recovery efficiency of up to 95 %
- High-efficiency fan, efficiency class A
- Air flow rate up to 300 m³/h
- For residential units 100 m² up to 230 m²
- Fully electronic controller
- Illuminated, semi-graphic LCD panel
- 6 buttons with 3 status LEDs
- Frost protection, timer and holiday function
- Target value specifications in m³/h
- Continuous indication of all measured values
- 4 temperature sensors, frost-protection function
- Exhaust air temperature monitoring for over-cooling protection
- Full app support via optional web interface
- Powder-coated metal housing
- Vertical connections of the air duct system
- Living area connection left and right possible
- Wall mounting

(W x H x D) 773 x 809 x 545 mm

Optional features

- WebInterface NetBase
- Air quality sensor for CO₂ and humidity
- Free smartphone app
- Booster for cool fresh air in the summer
- Smoke sensor for safety shutdown in case of fire
- Fireplace function
- Summer bypass

Highlights

- Control and measuring system
- LCD control panel
- Can be upgraded with web interface
- Best figures for convenience and efficiency

EcoVent | Central living area ventilation



High-quality design

The EcoVent ventilation unit was designed to match the EcoTouch series of heat pumps. With particularly high-quality features, EcoVent achieves high air flow performance with low energy consumption.

Powerful fan

EcoVent operates with a controlled EC fan that has four settings. Its air flow of 350 m³/h is adequate for ventilating larger buildings with up to 300 m² of living space. The heat in the exhaust air is exploited via a cross-counterflow heat exchanger.

Well-equipped for winter and summer

The numerous additional features offer significant advantages. They include a summer bypass and an integrated fireplace function for the simultaneous operation of the ventilation system and fireplace.

The Internet is integrated as standard

The unit can optionally be controlled via the high-quality LCD control panel or an EcoTouch heat pump. The standard integrated web interface permits direct access and control via a smartphone or tablet computer.

Features

- Central inlet/exhaust air unit with heat recovery
- Cross-counter flow heat exchanger
- Heat recovery efficiency of up to 95 %
- High-efficiency fan, efficiency class A
- Air flow rate up to 400 m³/h
- For residential units 160 m² up to 360 m²
- Fully electronic controller
- Illuminated, semi-graphic LCD panel
- 6 buttons with 3 status LEDs
- Frost protection, timer and holiday function
- Target value specifications in m³/h
- Continuous indication of all measured values
- 4 temperature sensors, frost-protection function
- Can be controlled with WATERKOTTE EcoTouch heat pump
- Full app support via standard web interface
- Can be controlled via the Internet using:
 - BasicPro Mobile
 - EasyCon Mobile
- Exhaust air temperature monitoring for over-cooling protection
- Powder-coated metal housing
- Vertical connections of the air duct system
- Indication of filter change
- Living area connection left and right possible
- Wall mounting
(W x H x D) 773 x 809 x 545 mm

Optional features

- Free smartphone app
- Booster for cool fresh air in the summer
- Fireplace function
- Smoke sensor for safety shutdown in case of fire
- Summer bypass

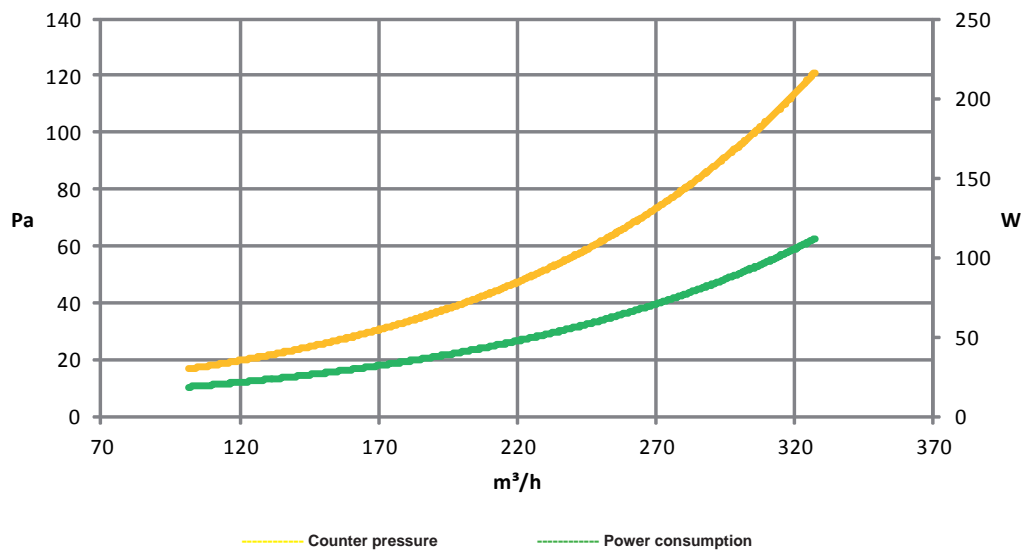
Highlights

- Standard web interface
- Can be controlled using app via smartphone
- Best figures for convenience and efficiency
- Air quality sensor



Technical data BasicVent		BasicVent 270
Air volume flow	m ³ /h	80 - 270 (party operation 300)
Size of residential units	m ²	up to 230
Specific power consumption (SFP)	Wh/m ³	0.27 at 100 %
Heat recovery		up to 95 %
energy efficiency class		A
Fans		High efficiency fans
Type heat exchanger		Cross-counter flow heat exchanger
Filter		G4 / F7 (standard filter)
Condensate drain		Both sides (can be selected as required: left or right)
Max. ambient temperature	°C	60
Electrical data		
Electrical power supply (one-phase)	(V, phase, Hz)	220-240/1/50
Max. current consumption	A	1.2
Power consumption	H	18 -171
Electrical classification		IP31
Dimensions, weights, connections		
Installation type		Wall-mounting
Connection for air lines (top)	mm	Ø 150, 180
Dimensions (W x H x D)	mm	773 x 809 x 545
Protective coating		Powder coating
Colour		Signal white (RAL 9003)
Sensors		Temperature sensors for outside, supply, waste and exhaust air

Service data BasicVent 270 m³/h



Differences in the ventilation units

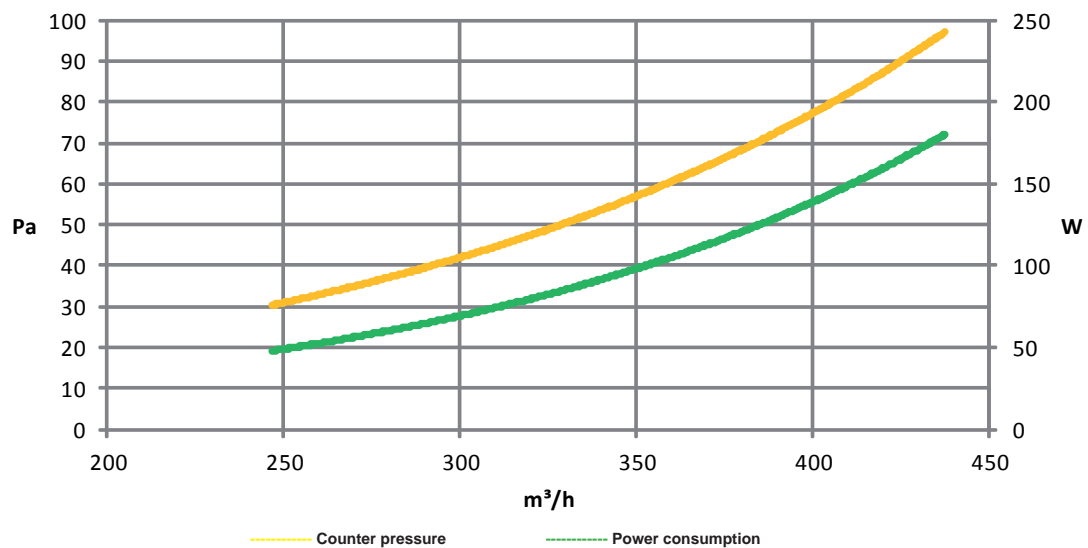
Living area ventilation provides fresh air. The BasicVent and EcoVent models available differ significantly in the flow rates and features. Both devices can be connected directly with WATKOTTE heat pumps and with the internet. They thus feature an optimised control system and achieve best efficiency values for your heating system.

Technical data EcoVent



Technical data EcoVent		EcoVent 400
Air volume flow	m ³ /h	up to 400
Size of residential units	m ²	up to 360
Specific power consumption (SFP)	Wh/m ³	0.37 at 100 %
Heat recovery		up to 95 %
		A
Fans		High efficiency fans
Type heat exchanger		Cross-counter flow heat exchanger
Filter		G4 / F7 (standard filter)
Condensate drain		Both sides (can be selected as required: left or right)
Max. ambient temperature	°C	60
Electrical data		
Electrical power supply (one-phase)	(V, phase, Hz)	220-240/1/50
Max. current consumption	A	1.2
Power consumption	H	46 - 171
Electrical classification		IP31
Dimensions, weights, connections		
Installation type		Wall-mounting
Connection for air lines (top)	mm	Ø 150, 180
Dimensions (W x H x D)	mm	773 x 809 x 545
Protective coating		Powder coating
Colour		Signal white (RAL 9003)
Sensors		Temperature sensors for outside, supply, exhaust and escaping air; CO ₂ air quality combination

Service data EcoVent 400 m³/h



Information for the system design:

These technical data only support a rough layout. Each ventilation system must always be designed individually, depending on the building conditions. This design work is supported by WATERKOTTE.

**WATERKOTTE GmbH**

Gewerkenstrasse 15
44628 Herne, Germany
Tel.: +49 (0) 23 23 | 93 76 - 0
Fax: +49 (0) 23 23 | 93 76 - 99
Service Tel.: +49 23 23 | 93 76 - 350
info@waterkotte.de
www.waterkotte.de

WATERKOTTE Schweiz AG

Oberdorferstr. 37
CH-1735 Giffers
Tel.: +41 (0) 26 684 82 40
Fax: +41 (0) 26 684 82 41
info@waterkotte.ch
www.waterkotte.ch

WATERKOTTE Austria GmbH

Carolinenstrasse 10
9073 Klagenfurt-Viktring, Austria
Tel.: +43 (0) 463 29403-0
Fax: +43 (0) 463 29403-018
wouk@waterkotte.at
www.waterkotte.at