

Recuperators

reQ V.400/550

Available versions

reQ V.400 HRV

reQ V.550 HRV

counterflow with heat recovery

reQ V.400 ERV

reQ V.550 ERV

counterflow with enthalpy recovery



Click on the link or scan the QR code, to visit the product page

<https://reqnet.eu/en/products/req/v/>

Description

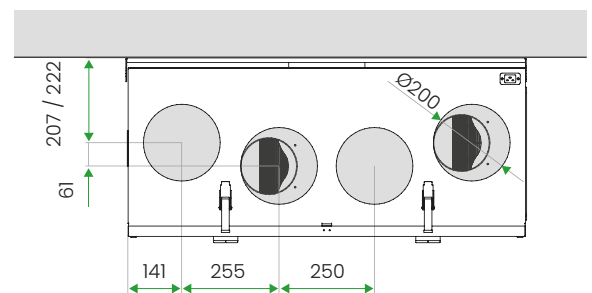
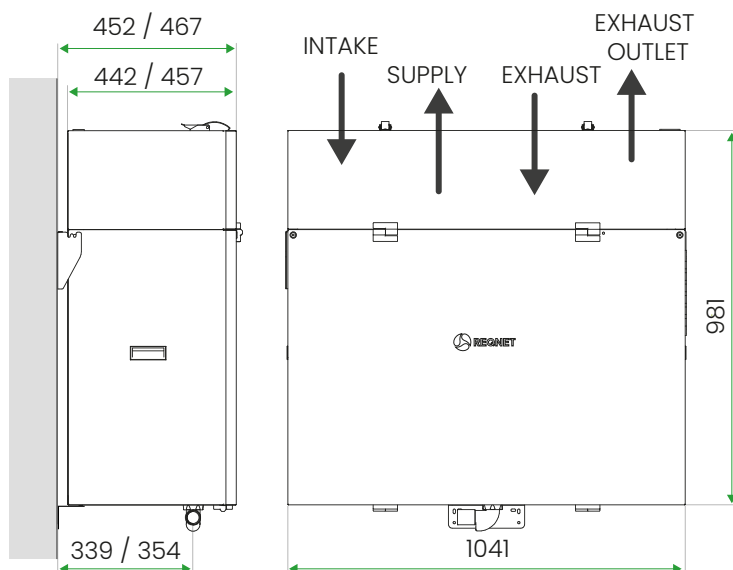
REQNET recuperators of the reQ series are a **new generation of intelligent recuperators** that adjust their operation to **the individual needs** of the building and its residents. This is possible thanks to the standard equipment of the recuperator, **a high-efficiency exchanger, double filters** (including one ISO ePM1 (F9) class) **and CO2, humidity and constant flow sensors**.

The built-in **Wi-Fi module** and **extensive automation** allow you to connect reQ recuperators to smart home control systems from any manufacturer.

The V series control panels have connection **spigots facing upwards**. The recuperators of the reQ V series can be mounted in a standing version or hung on the wall. Additional **thermal insulation** allows them to be installed in utility rooms inside the building.

It is possible to replace the standard **HRV heat exchanger** (with heat recovery) with **an ERV - enthalpy exchanger** (with moisture and heat recovery).

Dimensions



Standard equipment of **REQNET** recuperators



Wi-fi module



Anti-smog filter



Constant flow system



Built-in CO2 sensor



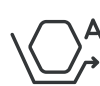
Built-in humidity sensor



PTC pre - heater



EC fans



Automatic by-pass 100%



Mobile app



Extensive automation

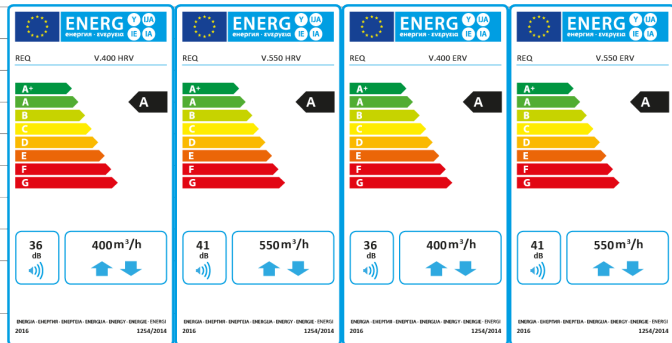


Universal mounting system



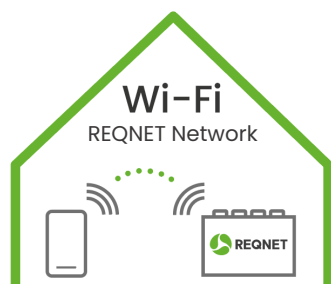
Dry siphon

Model	reQ V.400 HRV / ERV			reQ V.550 HRV / ERV		
Maximum air flow	400 m³/h (with an M5 class filter)		at 150 Pa (HRV) at 180 Pa (ERV)		550 m³/h (with an M5 class filter) at 150 Pa (HRV) at 180 Pa (ERV)	
Heat recovery efficiency	up to 95% (HRV) / up to 85% (ERV)					
Exchanger type	counter-current					
Exchanger variant	HRV - standard (with heat recovery) ERV - enthalpy (with heat and moisture recovery)					
Exchanger material	HRV - plastic ERV - plastic + polymer membrane					
Moisture recovery efficiency	no (HRV) / up to 65% (ERV)					
Efficiency	100 m³/h at 50 Pa	250 m³/h at 100 Pa	400 m³/h at 150 Pa	200 m³/h at 50 Pa	400 m³/h at 100 Pa	550 m³/h at 150 Pa
Energy consumption	25 W (HRV) 24 W (ERV)	74 W (HRV) 72 W (ERV)	187 W (HRV) 184 W (ERV)	43 W (HRV) 42 W (ERV)	157 W (HRV) 154 W (ERV)	272 W (HRV) 267 W (ERV)
Sound power level emitted by the housing at 1 m	24 dB(A)	33 dB(A)	43 dB(A)	30 dB(A)	42 dB(A)	48 dB(A)
Sound power level - nominal value	36 dB(A)			41 dB(A)		
Fans	radial with EC DC motors (ebm - papst)					
Energy efficiency class	A (for a temperate climate in accordance with Directive 2009/125/EC and European Commission Regulation No. 1254/2014)					
Bypass	automatic, isolated, 100% supply air bypass					
Anti-freeze system	PTC electric preheater 1,5 kW					
Control	via a mobile application (Android 8.0, iOS 16.0 or later) a web browser					
Compatibility with smart home systems	YES (REST API over HTTP, including ready-to-use integration with LOXONE)					
Filters	pleated class M5 (acc to EN779) / ePM10 ≥50% (acc to ISO16890) (optionally air vent: anti-smog F9 (acc to EN779) / ePM1 ≥80% (acc to ISO16890))					
Connection spigots	4 x Ø200 mm					
Pre-heater	built-in, smoothly controlled PTC					
Constant Flow System	YES					
Humidity sensor	YES, built-in					
CO ₂ Sensor	YES, built-in					
Condensate drain	YES – dry siphon					
IP rating	IP 40					
Insulation class	I					
Supply voltage	230V (AC), 50Hz					
Housing material	stainless					
Weight (with dedicated rack)	HRV - 46,1 kg ERV - 49,1 kg					
Dimensions (H x W x D)	981 x 1041 x 442 mm					
Accessories	Optional anti-smog F9 filter (acc to EN779) / ePM1 ≥80% (acc to ISO16890) Power cable Stainless steel mounting bracket for wall/ceiling installation Siphon					



Two ways to communicate

1. Wireless



2. Via the internet



Flow characteristics

