

Recuperators

reQ F.350 ERV

with enthalpy counterflow heat
and moisture heat exchanger



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

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



Description

REQNET reQ series recuperators have been designed to ensure maximum climate comfort in the building with the highest comfort of use while maintaining minimum primary energy consumption. Equipping the reQ series control panel with an intelligent control system consisting of built-in CO₂ and humidity sensors and a constant flow sensor, allows the unit to automatically adjust its operation to the current indoor air quality.

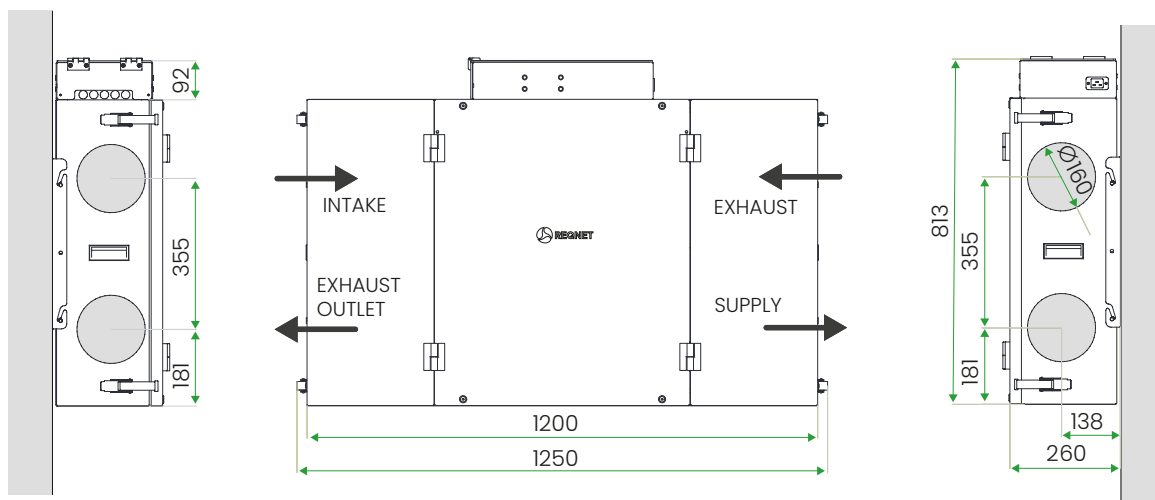
Control via the built-in Wi-Fi module allows you to control the recuperator with a mobile device from anywhere in the world. The enthalpy exchanger with an innovative polymer membrane allows to recover not only thermal energy, but also moisture from the air exhausted from the building.

The reQ F.350 ERV is an air handling unit with an ultra-flat ca-

sing and the possibility of mounting suspended from the ceiling, on the floor, as well as on the wall without the need to drain condensate. The stainless steel structure and excellent acoustic and thermal insulation thanks to the PE foam filling allow the device to be installed even in the suspended ceiling space.

The possibility of double filtration of the supply air guarantees real anti-smog protection without the use of additional air purifiers in the building.

Dimensions



Standard equipment of **REQNET** recuperators



Wi-fi
module



Anti-smog
filter



Constant
flow system



Built-in
CO₂ sensor



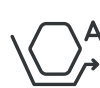
Built-in
humidity
sensor



PTC
pre - heater



EC fans



Automatic
by-pass 100%



Mobile
app



Extensive
automation

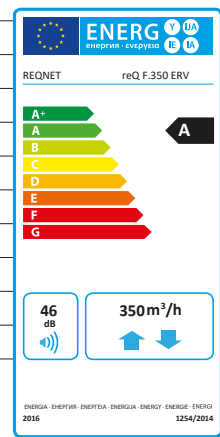


Universal
mounting
system



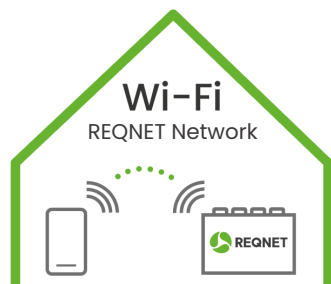
Dry
siphon

Model	reQ F.350 ERV		
Maximum air flow	350 m³/h at 150 Pa (with an M5 class filter)		
Heat recovery efficiency	up to 85%		
Exchanger type	counter-current		
Exchanger variant	ERV - enthalpy (with heat and moisture recovery)		
Exchanger material	ERV - plastic + polymer membrane		
Moisture recovery efficiency	up to 65%		
Efficiency	100 m³/h at 50 Pa	175 m³/h at 100 Pa	350 m³/h at 150 Pa
Energy consumption	33 W	68 W	270 W
Sound power level emitted by the housing at 1 m	29 dB(A)	38 dB(A)	53 dB(A)
Sound power level - nominal value	46 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 1,0 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 Ø160 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	not equipped		
IP rating	IP 40		
Insulation class	I		
Supply voltage	230V (AC), 50Hz		
Housing material	stainless		
Weight (with dedicated rack)	42,0 kg		
Dimensions (H x W x D)	810 x 1210 x 260 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		



Two ways to communicate

1. Wireless



2. Via the internet



Flow characteristics

