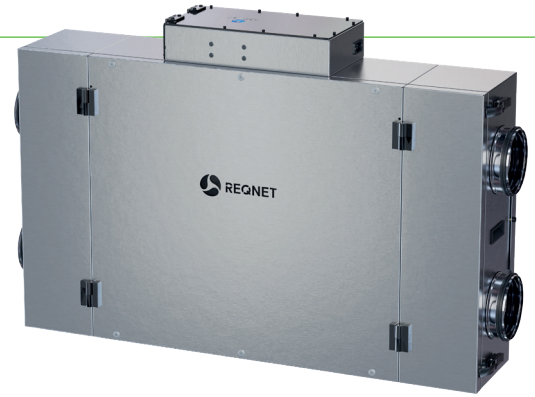


Universal ventilation unit

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

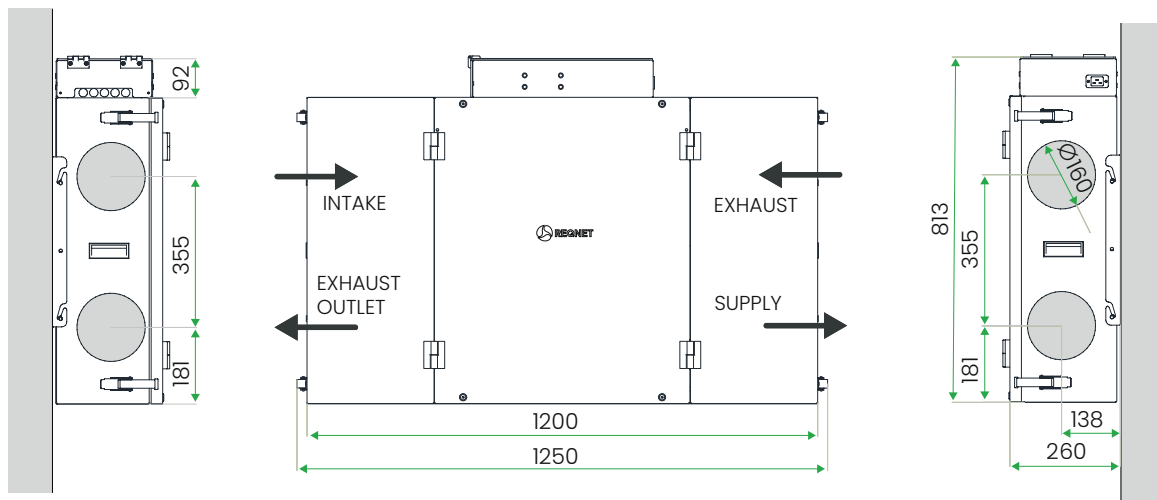
REQNET reQ series recuperators have been designed to ensure maximum climate comfort in the building with the highest comfort of use while maintaining minimum primary energy consumption. Equipping the reQ series control panel with an intelligent control system consisting of built-in CO₂ and humidity sensors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

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 casing 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
- 
Assembly system
- 
Dry siphon

Model	reQ F.350 ERV	
Maximum air flow	350 m ³ /h at 150 Pa*	
Heat recovery efficiency	up to 85%**	
Exchanger type	counter-current	
Exchanger variant	ERV: with heat and moisture recovery (enthalpy)	
Exchanger Material	plastic + polymer membrane	
Moisture recovery efficiency	up to 65%	
Energy consumption	100 m ³ /h (50 Pa)	33 W
	175 m ³ /h (100 Pa)	68 W
	350 m ³ /h (150 Pa)	270 W
The sound power level emitted by the casing at a distance of 1 meter	100 m ³ /h (50 Pa)	29 dB(A)
	175 m ³ /h (100 Pa)	38 dB(A)
	350 m ³ /h (150 Pa)	53 dB(A)
Sound power level - nominal value	46 db(A)	
Fans	radial with EC DC motors (ebm - papst)	
Energy efficiency class	A***	
Bypass	automatic, 100% supply air bypass	
Communication	built-in wi-fi module control via a mobile application (iOS 12.0 and Android 6.0 or newer) or web browser	
Cooperation with the smart home system	YES (REST API)	
Diameter of connection spigots	4 x Ø160 mm	
Filters	pleated class M5*** / ePM10 75% **** (optionally air vent: anti-smog F9*** / ePM1 80%****)	
Condensate drain	not equipped	
Pre-heater	built-in, smoothly controlled PTC	
Constant Flow System	YES	
Humidity sensor	YES, built-in	
CO2 Sensor	YES, built-in	
Casing Material	stainless	
Dimensions (H x W x D)	810 x 1210 x 260 mm	
Weight	42 kg	
Equipment	optional F9 anti-smog filter	
	Stainless Steel Mounting Console For Wall / Ceiling Mount	

* with an M5 class filter

** Due to the enthalpy exchanger, reQnet F.350 ERV recuperator does not meet the requirements of the „Clean Air 2019“ program for applications submitted before 15.05.2020. The statement for the „Clean Air 2020“ program for applications submitted after May 15, 2020, can be found on the cennik24.pl website under the product tab.

*** for a temperate climate in accordance with Directive 2009/125/EC and European Commission Regulation No. 1254/2014

**** according to EN779

***** according to ISO 16890

Two ways to communicate

1. Wireless



2. Via the Internet



Flow characteristics

