

Technical Datasheet

GENIUS

Ekkoair[®]
by jeremias

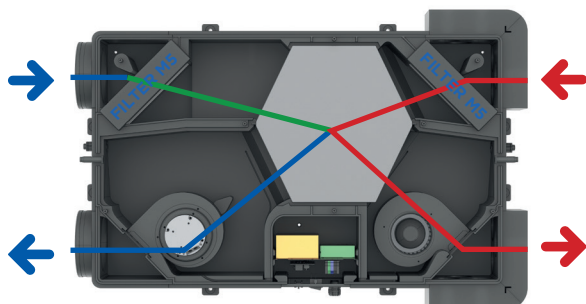
INDIVIDUAL HEAT RECOVERY UNIT | DUAL FLOW SYSTEM GENIUS

An individual heat recovery unit featuring an advanced algorithm that automatically adjusts the bypass, enhancing performance while minimizing energy loss.

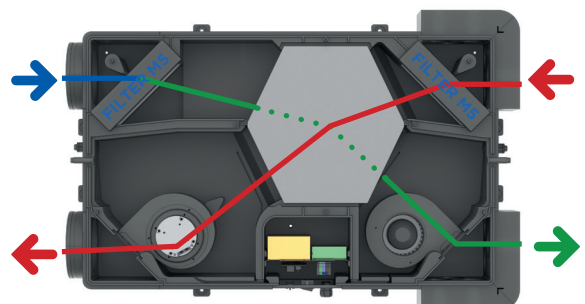
FEATURES



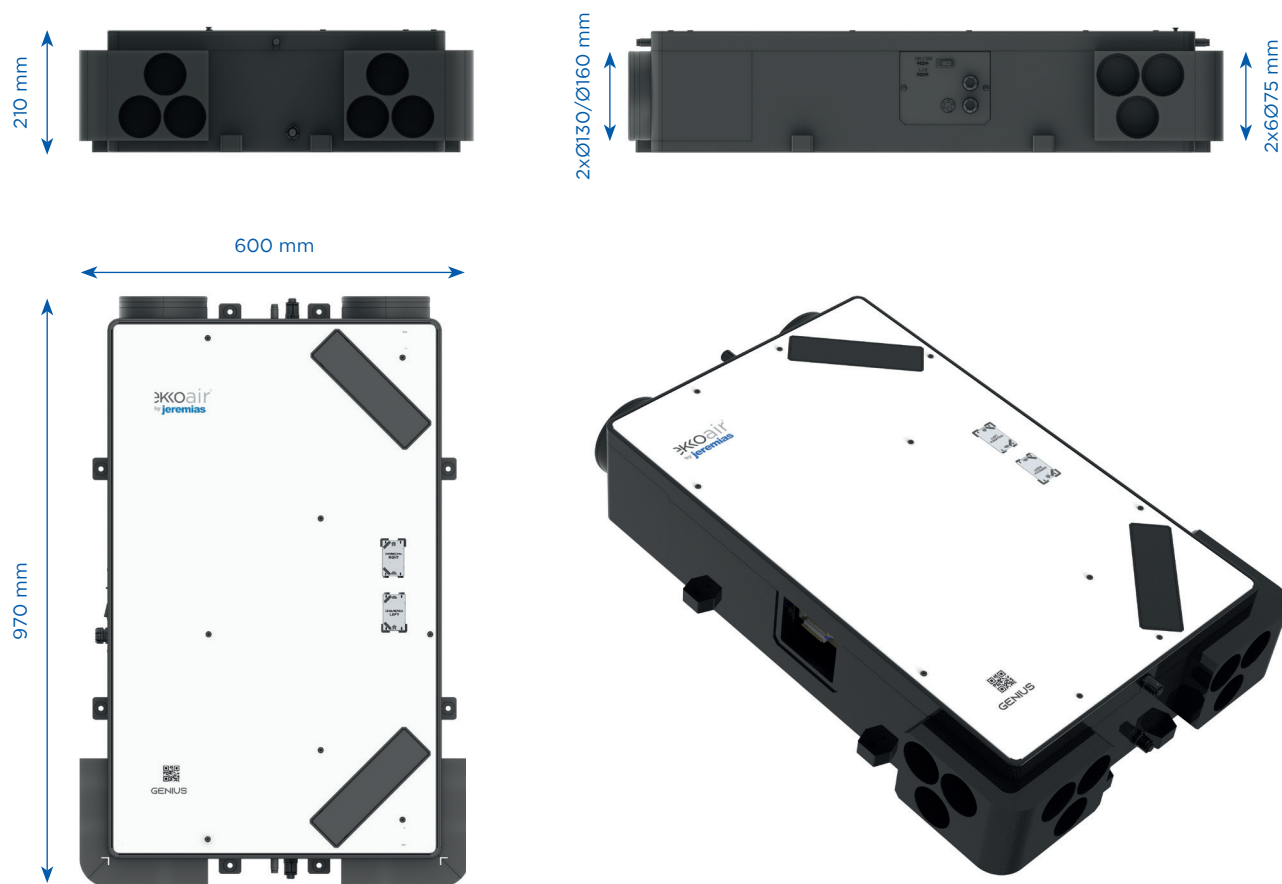
❄️ HEAT RECOVERY GENIUS IN WINTER



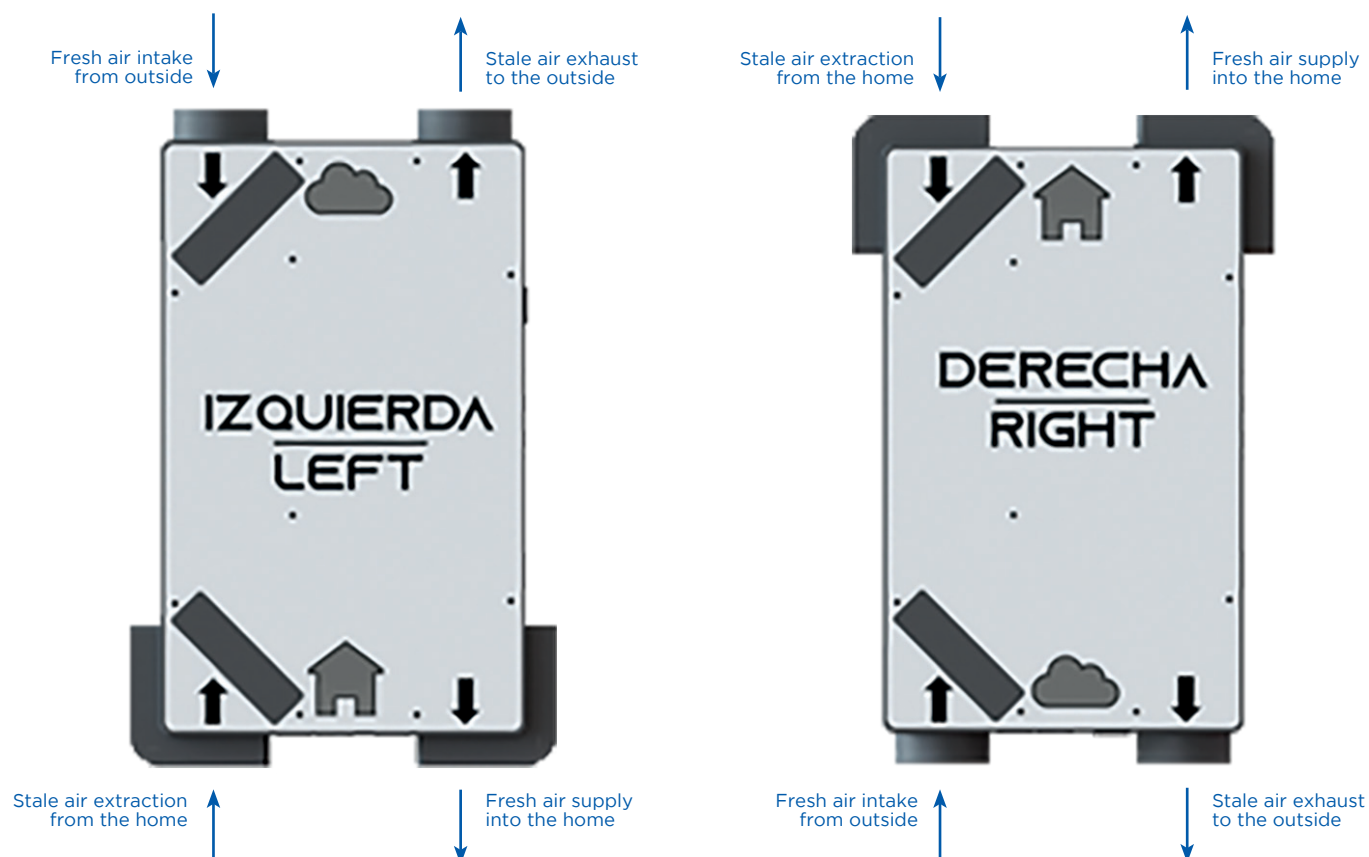
☀️ AUTOMATIC BYPASS ACTIVATED TO COOL DURING SUMMER NIGHTS



Dimensions



Positioning



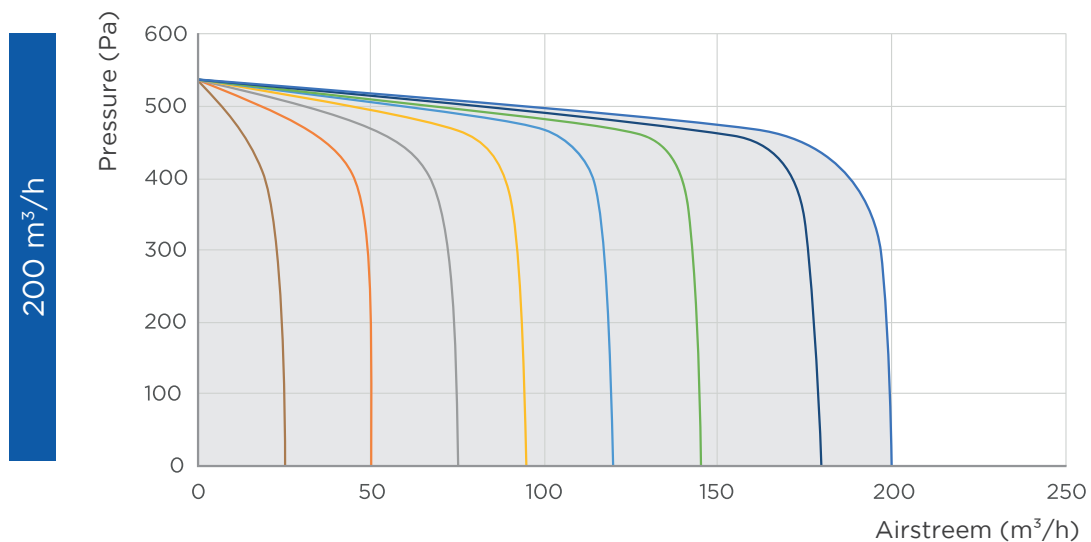
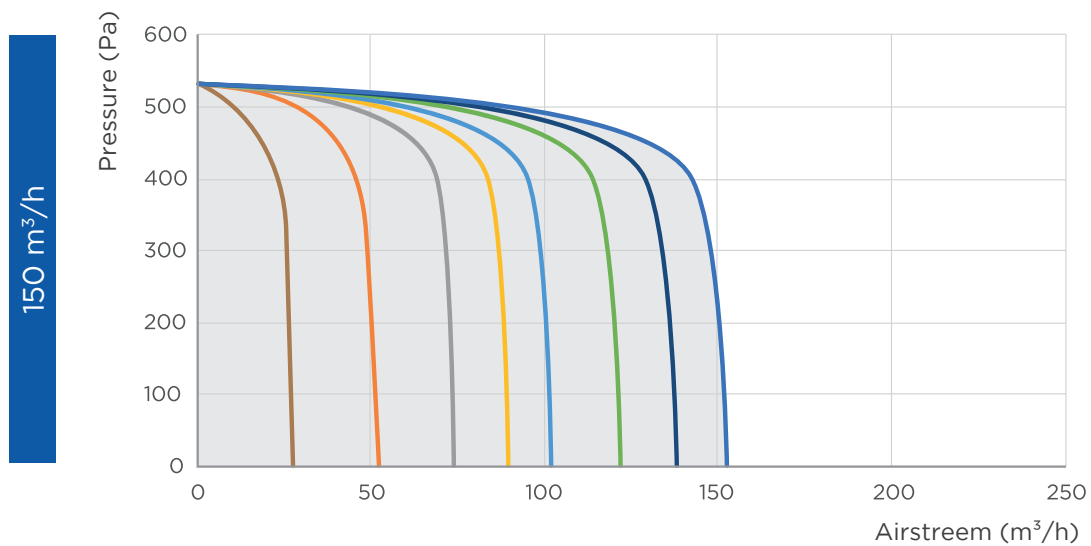
Technical Specifications 150 m³/h

Technical Specifications 200 m³/h

150 m³/h			200 m³/h		
Parameters	Units	Values	Parameters	Units	Values
Flow Rate	m³/h	150 (200 Pa)	Flow Rate	m³/h	200 (200 Pa)
Sfp (70% Qvd)	W/m³/h	0,29	Sfp (70% Qvd)	W/m³/h	0,29
Sound Pressure L _{Pa-1m}	dB	42	Sound Pressure L _{Pa-1m}	dB	45
Duct Diameter	mm	2xØ130/Ø160 + 2x6Ø75	Duct Diameter	mm	2xØ130/Ø160 + 2x6Ø75
Control		8 Speeds	Control		8 Speeds
Installation		False ceiling, wall	Installation		False ceiling, wall
IP		IP 30	IP		IP 30
Filter Type		M5 Coarse 90% ISO 16890	Filter Type		M5 Coarse 90% ISO 16890
Weight	kg	20	Weight	kg	20
Dimensions	mm	970x600x210	Dimensions	mm	970x600x210
Multi-function Control (200 Pa)		1 2 3 4 5 6 7 boost	Multi-function Control (200 Pa)		1 2 3 4 5 6 7 boost
	m³/h	55 75 90 105 120 135 150 150		m³/h	60 85 105 130 150 180 200 200
Body + Casing		EPP + Metal Sheet	Body + Casing		EPP + Metal Sheet
Performance*	%	89	Performance*	%	88

* According to UNE EN 308 at 70% of the nominal volume

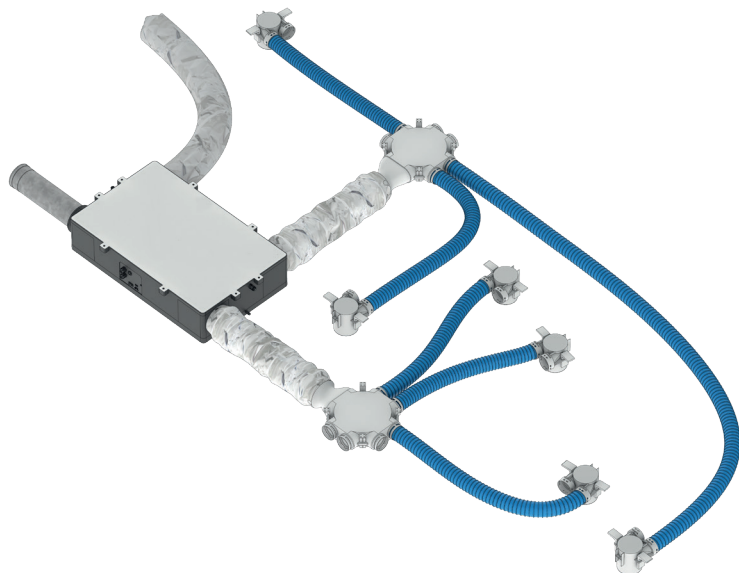
V1 V2 V3 V4 V5 V6 V7 V8



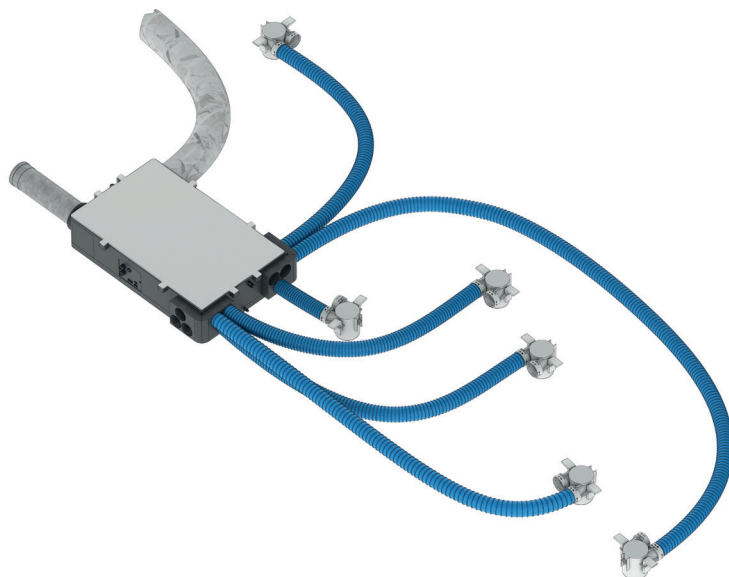
APPLICATIONS

- Dual-Flow VMC with 2x Ø130/Ø160 mm corner outlets
- Dual-Flow VMC with 2x6 Ø75 mm corner outlets

■ Dual-Flow VMC with 2x Ø130/Ø160 mm corner Outlets

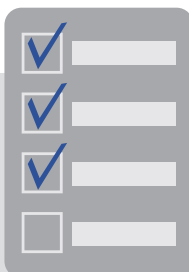


■ Dual-Flow VMC with 2x6 Ø75 mm corner Outlets



TECHNICAL ADVANTAGES

- 100% AUTOMATIC Bypass (mechanical)
- Constant flow EC motors
- Efficiency up to 92%
- Low profile: 210 mm height
- Wide range of filters available (factory standard M5)
- Option to connect to ModBus
- Option to connect to a WEB application
- Option to connect to a CO₂ Sensor
- Option to connect to a Humidity Sensor
- Option to connect to both CO₂ and Humidity Sensors
- Option for pre/post heating resistances
- Option for enthalpy exchanger



INSTALLATION ADVANTAGES

- You can connect up to 12 EkkoFlex Ø75 mm semi-rigid ducts
- Can be installed horizontally or vertically
- Parallel ceiling positioning
- Support profiles included
- Template for support hole drilling in the box
- Adjustable outlets for maximum sea



Corner Connector
6xØ75 mm



Corner Connector
1xØ16 mm



Adapter from
Ø160mm to Ø125
mm with seal



Mounting Bracket
Genius/Logic



Filter M5 Genius/Logic



Filter F7 Genius/Logic



Filter F9 Genius/Logic



Pre-Cooler
GENIUS/LOGIC



Post-Cooler
GENIUS/LOGIC



Wifi-Module



External CO₂
Sensor



External Sensorfor
Relative Humidity HR



External CO₂+HR Sensor



Connection Module
for up to 8 Sensors



Siphon

ACCESSORIES

REF.	ITEM DESCRIPTION
403-COVE100N0001	Corner Connector 6xØ75 mm
403-COVE100N0002	Corner Connector 1xØ160 mm
400-HELI6501600125	Adapter from Ø160mm to Ø125 mm with seal
000-DRWG107N0001	Mounting bracket for Genius/Logic recuperators
403-COVE100N0003	Bag with 2 Filters M5 Gen/Log Coarse 90% ISO 16890
403-COVE100N0004	Bag with 2 Filters F7 Gen/Log ePM1 50% ISO 16890
403-COVE232N0001	Bag with 2 Filters F9 Gen/Log ePM1 80% ISO 16890
403-COVE100N0005	Pre-Cooler Ø160 mm for Genius/Logic
403-COVE100N0006	Post-Cooler Ø160 mm for Genius/Logic
403-COVE100N0011	Wifi-Module
403-COVE100N0013	External CO ₂ Sensor
403-COVE100N0014	External Humidity Sensor (relative humidity HR)
403-COVE100N0015	External CO ₂ +HR-Sensor
403-COVE100N0016	Module for Connecting up to 8 Sensors
403-COVE103N0001	Siphon 16/20/25 mm
684-SVCH2690100	Adapter Genius/Logic to SVC-H 100
684-SVCH2690110	Adapter Genius/Logic to SVC-H 110
684-SVCH2690150	Adapter Genius/Logic to SVC-H 150
000-DRWG2680100	Adapter Genius/Logic to PVC 100
000-DRWG2680125	Adapter Genius/Logic to PVC 125
000-DRWG2680150	Adapter Genius/Logic auf PVC 150