

Avira series

VAVP305, VAVP405, VAVP505, VAVP605

optional equipment



iNEXT



ENTHALPY EXCHANGER



CONSTANT FLOW



MODBUS



MODULATED HEATER



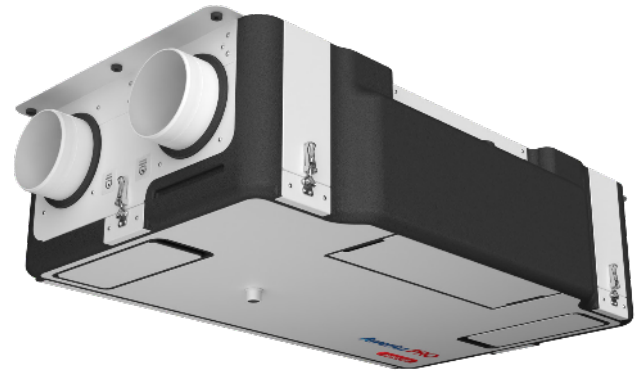
ENERGY EFFICIENCY



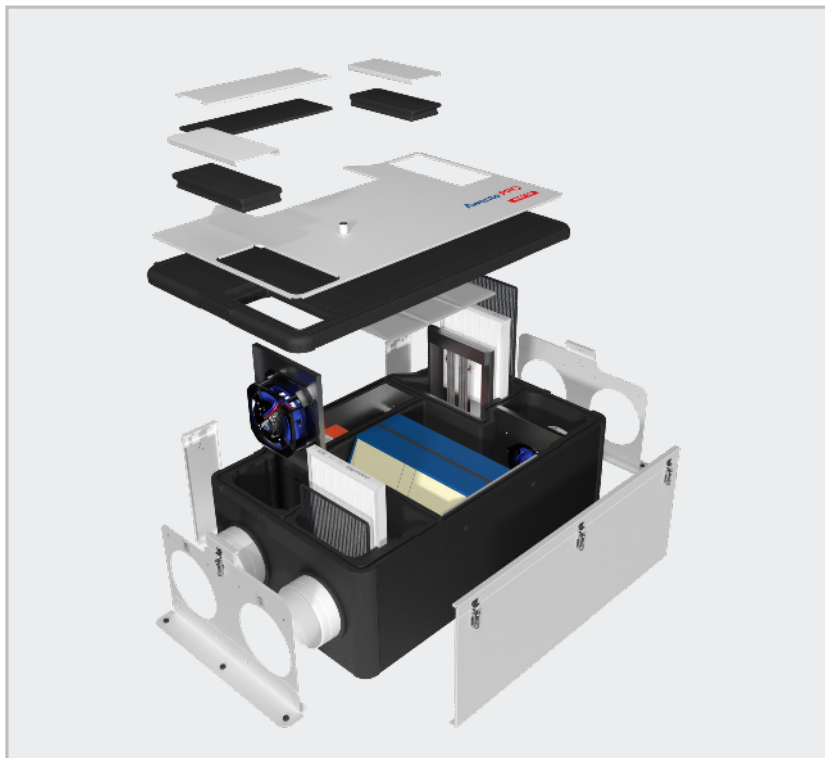
MATERIAL

RECUPERATOR FEATURES

- Installation position - ceiling (suspended)
- Counterflow heat exchanger with the efficiency of up to 95%
- Energy-efficient fans with the EC Ziehl-Abegg and EBM papst motors
- Automatic bypass, 100% bypass, isolated
- Modulatic preheat coil with variable operating parameters
- Excellent insulation thanks to the use of the EPP (expanded polypropylene) housing
- Leak tight structure preventing the penetration of odours and pollutants from the exhaust air into the supply air
- Mobile application for smartphones – Android, iOS and possible remote control by using webpage (iNext module required)
- Automatic flow control system (constant flow) - in CF versions
- Equipped with two filters (M5/ISO ePM10)
- Possibility of using fine filters (F7/ISO ePM1) with higher filtration class
- Possibility of using reusable pre-filter
- Possible interoperation with the air quality, carbon dioxide and humidity sensor (VSPM, VSHC, VSHW)
- Option of cleaning heat exchanger
- Long service life
- Scratch resistance of painted parts at a value of 5 H
- Antimicrobial properties of painted parts according to ASTM E2149-13a
- Possible remote control via MODBUS RTU protocol



* In the case of the recuperator AVIRA 405 with an enthalpy exchanger, an additional sensor (VSPM, VSHC, VSHW) is required to achieve energy efficiency class A.



Supplementary products

FILTERS



PRODUCT DATA SHEET

optional equipment



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TECHNICAL INFORMATION

	AVIRA 305	AVIRA 305 Enthalpy	AVIRA 405	AVIRA 405 Enthalpy
INDEX	VAVP305	VAVP305E	VAVP405	VAVP405E
Supply voltage	230 V AC / 50 Hz			
IP protection class	IP33			
Preheat coil power	2 000 W			
Max. power consumption (without preheat coil)	185 W	150 W	320 W	250 W
Capacity (at 100 Pa)	315 m ³ /h		413 m ³ /h	
Maximum engine speed	3 500 RPM	3 200 RPM	3 250 RPM	3 900 RPM
Noise level	44 dB(A)	43 dB(A)	49 dB(A)	46 dB(A)
Type of heat exchanger	Countercurrent	Countercurrent enthalpy	Countercurrent	Countercurrent enthalpy
Max. heat recovery efficiency	up to 95%	up to 90%	up to 95%	up to 90%
Heat exchanger material	Polystyrene			
Housing material	EPP + powder coated steel			
Filter - intake vent	VM5AV405 - M5 ISO ePM10 (optional VF7AV405 - F7 ISO ePM1)			
Filter - exhaust	VM5AV405 - M5 ISO ePM10			
Pre-filter intake / exhaust	VFWAV405 (optional)			
Diameter of air connector	160 mm			
Diameter of condensate drain connector	32 mm			
Controller type	AERO AP + AWENTA CONTROL			
Bypass	Automatic 100%			
Fans	2x radial fan with EC motor			
System Constant Flow	YES, depend on version			
Modbus RTU Communication	YES			
Internet module	VLAN iNEXT (optional)			
Air quality sensor	VSPM (optional)			
CO ₂ concentration and humidity sensor	VSHC (optional)			
Humidity sensor	VSHW (optional)			
Weight	35 kg	39 kg	35 kg	39 kg

	AVIRA 505	AVIRA 505 Enthalpy	AVIRA 605	AVIRA 605 Enthalpy
INDEX	VAVP505	VAVP505E	VAVP605	VAVP605E
Supply voltage	230 V AC / 50 Hz			
IP protection class	IP33			
Preheat coil power	2 000 W			
Max. power consumption (without preheat coil)	275 W		400 W	365 W
Capacity (at 100 Pa)	512m ³ /h		655 m ³ /h	605 m ³ /h
Maximum engine speed	4 000 RPM		2 400 RPM	
Noise level	45 dB(A)		42 dB(A)	
Type of heat exchanger	Countercurrent	Countercurrent enthalpy	Countercurrent	Countercurrent enthalpy
Max. heat recovery efficiency	up to 95%	up to 90%	up to 95%	up to 90%
Heat exchanger material	Polystyrene			
Housing material	EPP + powder coated steel			
Filter - intake vent	VM5AV605 - M5 ISO ePM10 (optional VF7AV605 - F7 ISO ePM1)			
Filter - exhaust	VM5AV605 - M5 ISO ePM10			
Pre-filter intake / exhaust	VFWAV605 (optional)			
Diameter of air connector	200 mm			
Diameter of condensate drain connector	32 mm			
Controller type	AERO AP + AWENTA CONTROL			
Bypass	Automatic 100%			
Fans	2x radial fan with EC motor			
System Constant Flow	YES, depend on version			
Modbus RTU Communication	YES			
Internet module	VLAN iNEXT (optional)			
Air quality sensor	VSPM (optional)			
CO ₂ concentration and humidity sensor	VSHC (optional)			
Humidity sensor	VSHW (optional)			
Weight	42 kg	40 kg	40 kg	45 kg

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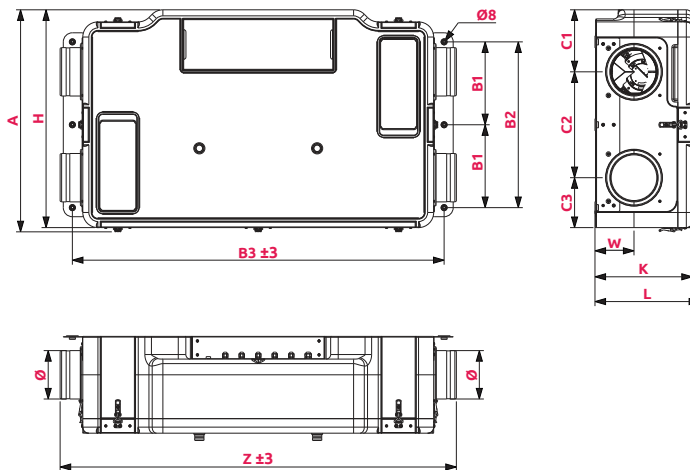


MATERIAL

AVIRA 305/405

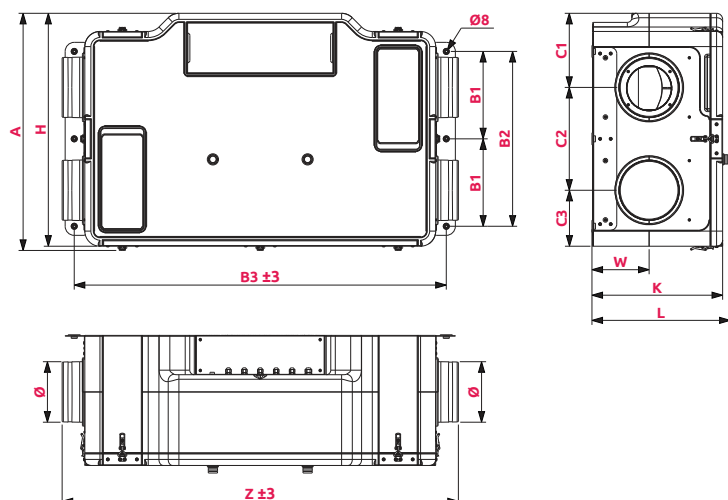


DIMENSIONS



	Ø	A	H	Z	B1	B2	B3	W	K	L	C1	C2	C3
VAVP305	160	734	720	1310	274	548	1230	129	322	347	205	350	165
VAVP405	160	734	720	1310	274	548	1230	129	322	347	205	350	165
VAVP505	200	784	770	1310	289	578	1230	189	432	457	245	340	185
VAVP605	200	784	770	1310	289	578	1230	189	432	457	245	340	185

DIMENSIONS



AVIRA 505/605



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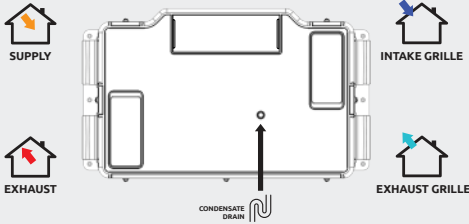
ENERGY EFFICIENCY



MATERIAL

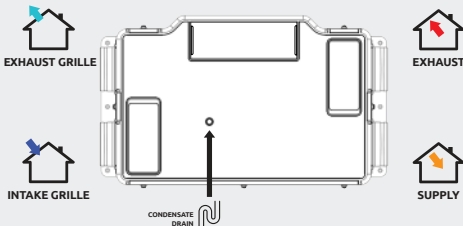
Avira series

LEFT VERSION STANDARD



VAVP*L	Recuperator AVIRA 305-605 left version (standard)	
VAVP*LE	Recuperator AVIRA 305-605 left version (standard)	•
VAVP*LCF	Recuperator AVIRA 305-605 left version (standard)	•
VAVP*LCFE	Recuperator AVIRA 305-605 left version (standard)	• •

RIGHT VERSION



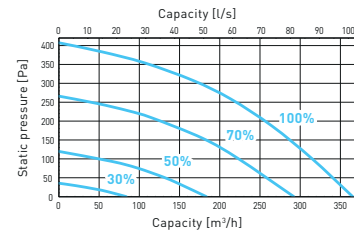
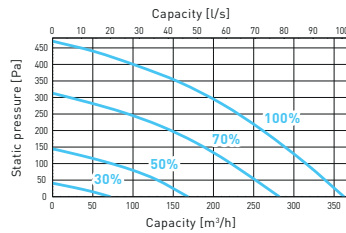
VAVP*P	Recuperator AVIRA 305-605 right version	
VAVP*PE	Recuperator AVIRA 305-605 right version	•
VAVP*PCF	Recuperator AVIRA 305-605 right version	•
VAVP*PCFE	Recuperator AVIRA 305-605 right version	• •

CAPACITY

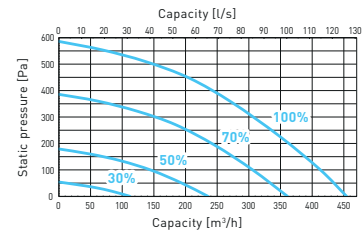
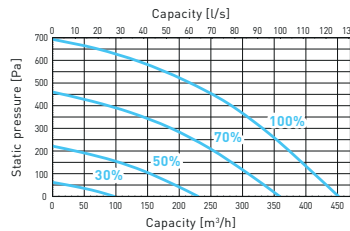
STANDARD VERSION

ENTHALPY HEAT EXCHANGER VERSION

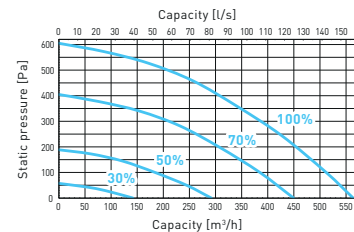
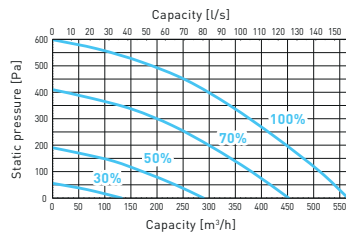
AVIRA 305



AVIRA 405



AVIRA 505



AVIRA 605

