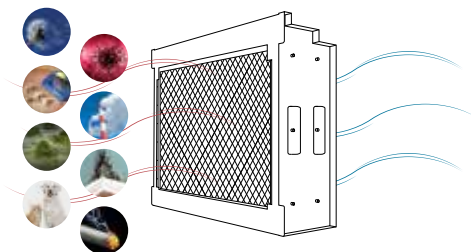


# VMCS600



Filtru electronic (opțional)  
eficiență UNI 11254 și PM 2,5 90/95%  
Electronic filter (optional)  
efficiency UNI 11254 and PM 2,5 90/95%



4BRF



## UNITATE DE RECUPERARE DESCENTRALIZATĂ (VMC) CU EFICIENȚĂ FOARTE RIDICATĂ

**Recuperare de căldură:** schimbător de căldură în contracurent executat din material plastic. Prevăzut cu by-pass automat și tavă de colectare condens.

**Structură:** panouri sandwich auto-portante și izolate fonic. Echipate cu panouri demontabile pentru proceduri de intervenție periodică. Inclusiv cleme de prinde-re pe tavan.

**Ventilatoare:** centrifugale cu dublă aspirație, cuplate direct la motor electric EC fără perii.

**Filtre:** G4 pe evacuare. M5 pe aer proaspăt.

### Optional:

- Control CO<sub>2</sub> (CO2RF)
- Filtru eficiență F7 (VMCS600 F7)
- modul comunicare modbus (MODBUSRF)

## DECENTRALIZED VMC HEAT RECOVERY UNIT WITH VERY HIGH EFFICIENCY

**Heat recovery:** high efficiency plastic counter-current exchanger. Complete with automatic bypass and condensate collection basin.

**Structure:** self-supporting soundproof sandwich structure. Equipped with removable panels for ordinary and extraordinary maintenance operations. Complete with brackets for ceiling fixing.

**Fans:** double inlet centrifugal fans with directly coupled brushless EC electric motor.

**Filters:** G4 efficiency on return air. M5 efficiency on fresh air.

### Optional:

- CO<sub>2</sub> control (CO2RF)
- F7 efficiency filter (VMCS600 F7)
- modbus communication device (MODBUSRF)

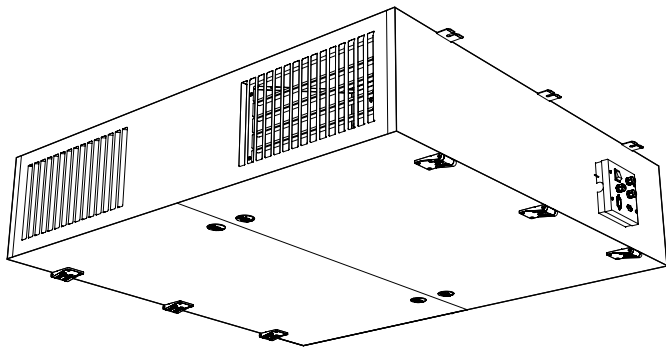
### VMCS600 - VMCS600FE

Debit aer proaspăt   Replacement airflow	600 mc/h
Debit evacuat   Extraction airflow	600 mc/h
Eficiență recuperare de energie*   Thermal recovery efficiency*	90 %
Putere instalată un singur ventilator (W)   Installed power single fan (w)	156
Presiune sonoră dB(A)   Sound pressure dB(A)	38
Filtru pe aerul proaspăt   Replacement air filtration	M5 ISO COARSE ≥ 70 %
Filtru pe aer evacuat   Extraction air filtration	G4 ISO COARSE ≥ 65 %
Filtru pe aerul proaspăt (opțional)   Replacement air filtration (optional)	F7 ISO e PM1 ≥ 65 %
Filtrare electronică   Electronic filtration	Opțional   Optional
Control CO <sub>2</sub>   CO <sub>2</sub> control	Opțional   Optional

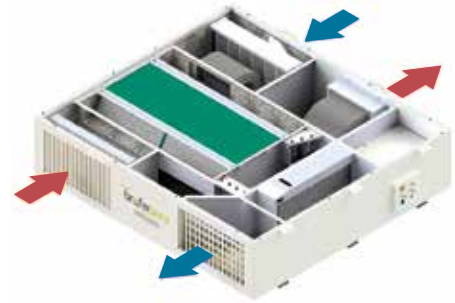
\* (UNI EN 308) aer proaspăt: 5 ° C 72% RH / aer evacuat: 25 ° C 28% RH  
(UNI EN 308) fresh air: 5 ° C 72% RH / expulsion air: 25 ° C 28% RH



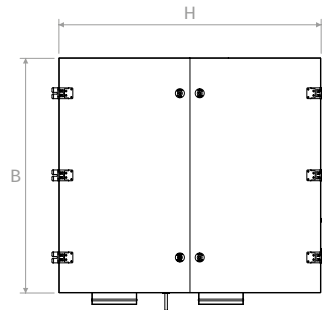
**DESENE | DRAWINGS**



GREUTATE | WEIGHT: 170 kg



Vedere de jos | Bottom View

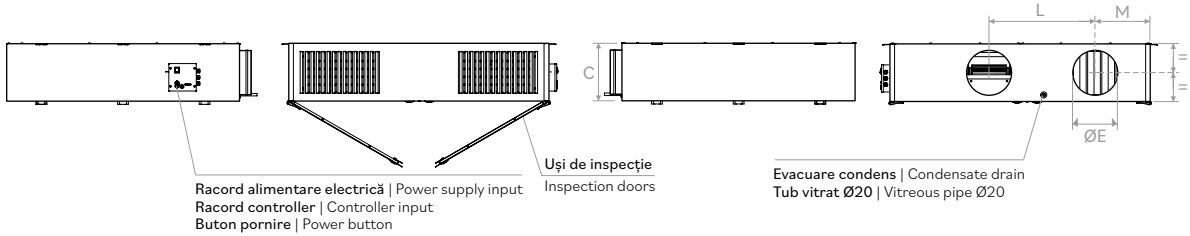


Vedere laterală dreapta | Side view right

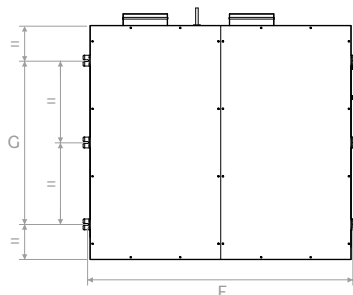
Vedere din față | front view

Vedere laterală stânga | Side view left

Vedere din spate | Rear view



Vedere de sus | Top view



	B	H	C	ØE	F	G	L	M
mm	1300	1450	325	250	1478	910	591	307

## DIAGrame PARAMETRII | PERFORMANCE CHARTS

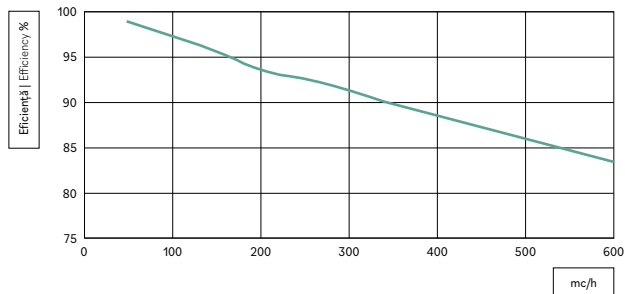
### SCHIMBĂTOR DE CALDURĂ STANDARD CERTIFICAT EN 308 | STANDARD HEAT EXCHANGER EN 308 CERTIFIED

#### Diagramă eficiență vara

Aer proaspăt: 32 °C / 50 % R.H.  
Aer evacuat: 26 °C / 50 % R.H.

#### Summer efficiency chart

Fresh air: 32 °C / 50 % R.H.  
Return air: 26 °C / 50 % R.H.

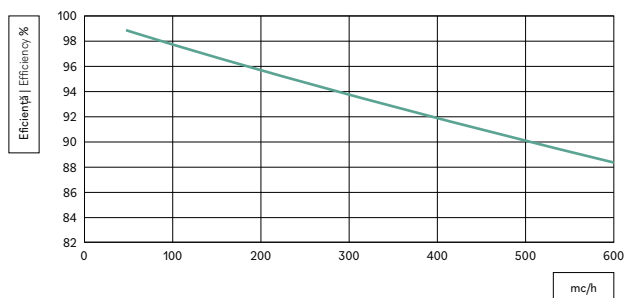


#### Diagramă eficiență iarna

Aer proaspăt: -5 °C / 80 % R.H.  
Aer evacuat: 20 °C / 50 % R.H.

#### Winter efficiency chart

Fresh air: -5 °C / 80 % R.H.  
Return air: 20 °C / 50 % R.H.



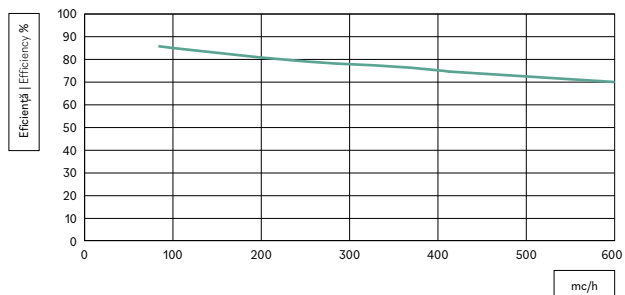
### RECUPERATOR ENTALPIC (eficiență temperatură) | ENTHALPIC HEAT EXCHANGER (temperature efficiency)

Aer proaspăt: +5 °C / 70 % R.H.

Aer evacuat: 25°C / 50 % R.H.

Fresh air: +5 °C / 70 % R.H.

Return air: 25°C / 50 % R.H.



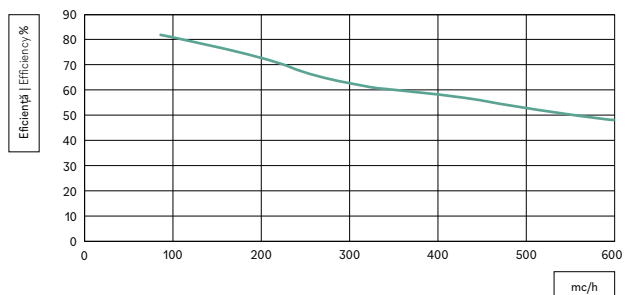
### RECUPERATOR ENTALPIC (eficiență umiditate) | ENTHALPIC HEAT EXCHANGER (humidity efficiency)

Aer proaspăt: +5 °C / 70 % R.H.

Aer evacuat: 25 °C / 50 % R.H.

Fresh air: +5 °C / 70 % R.H.

Return air: 25°C / 50 % R.H.






### DATE ACUSTICE ÎN FUNCȚIE DE PUTEREA SONORĂ RADIATĂ DE CARCASĂ ACOUSTIC DATA RELATIVE TO THE SOUND POWER RADIATED BY THE CASING

	Debit aer nominal Air flow rate		Frecvență   Frequency								
	mc/h		Hz								
			63	125	250	500	1000	2000	4000	8000	
Viteză mare   High speed	600		40	51,5	52,5	52,5	54	53,5	44	31	dB
Viteză medie   Medium speed	470		36	46,5	46,5	44	49	46	36,5	27	dB
Viteză mică   Low speed	260		24	35,5	35	33	38,5	29,5	22	18	dB



**PREȚURI | PRICES**

Model   Model	€
<b>VMCS600</b> versiune standard   standard version	
<b>VMCE600</b> versiune cu schimbător de căldură entalpic   version with enthalpic heat exchanger	
<b>VMCS600FE</b> versiune cu filtru electronic   version with electronic filter	
<b>VMCE600FE</b> versiune cu schimbător de căldură entalpic și filtru electronic   version with enthalpic heat exchanger and electronic filter	
<b>VMCS600G4</b> filtru G4 eficientă (piesă de schimb)   filter G4 efficiency (spare part)	
<b>VMCS600M5</b> filtru M5 eficientă (piesă de schimb)   filter M5 efficiency (spare part)	
<b>VMCS600F7</b> Filtru F7 pentru aer proaspăt   F7 efficiency filter for replacement air	



	4BRF	CO2RF	MODBUSRF
Model   Model			
Control viteze   Speed control	●	●	
By-pass	●	●	
Protecție îngheț   Defrost protection	●	●	
Filtre colmatate   Clogged filters	●	●	
Control umiditate   Humidity control			
Control CO <sub>2</sub>   CO <sub>2</sub> control		●	
Funcție booster   Booster function	●		
leșire MODBUS   MODBUS gate way			●
Selectare viteze   Speeds setting			
ON/OFF			
Alarmer punctuale   Punctual alarms	●	●	●
€	inclus în preț included in the price		

**DATE PARAMETRII ECODESIGN | ECODESIGN DATA SHET**

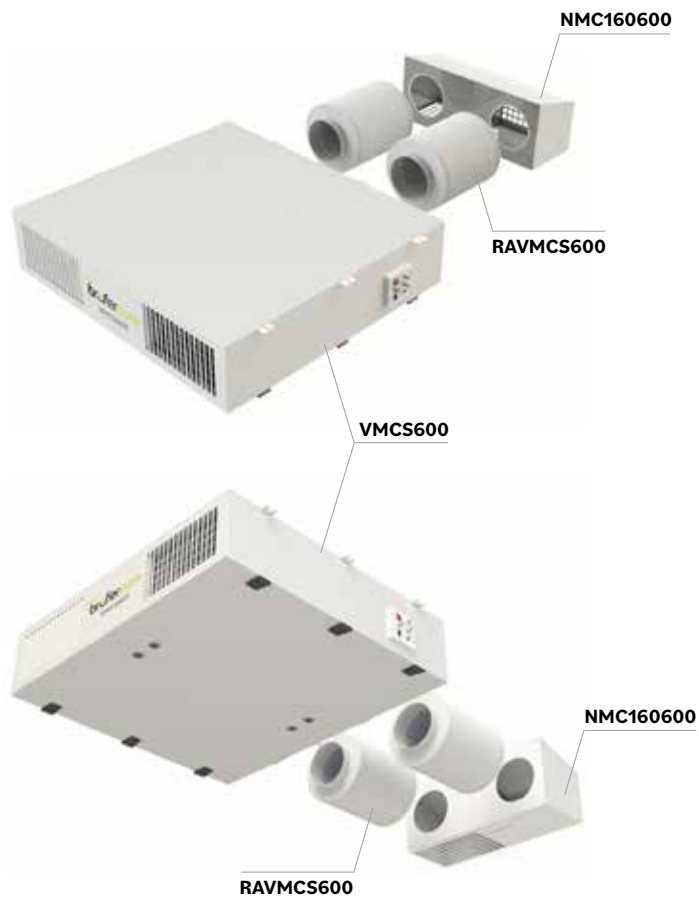
Model Model	Eficiență Efficiency	Debit de aer nominal Nominal air flow rate	Presiune statică utilă Useful static pressure	SFPInt	SFP-2018	Viteză frontală Front speed	Eficiență ventilator Fan Efficiency	Neetanșitate internă Internal leakage	Neetanșitate externă External leakage
	%	mc/h	pa	w/m <sup>3</sup> /s	w/m <sup>3</sup> /s	m/s	%	%	%
<b>VMCS600</b>	86,2	470	150	1512	1656	0,92	47,5	6,4	4,9

# VMCS600

## ACCESORII | ACCESSORIES

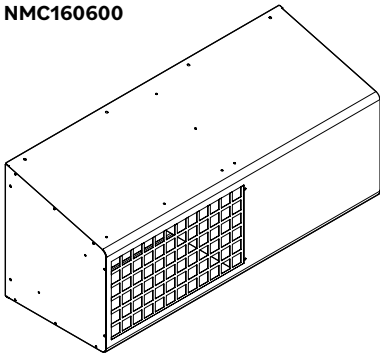
Model   Model		€
<b>NMC160600</b>	 <p>Modul compact introducere/evacuare, din oțel galvanizat vopsit RAL 9016 Compact module exhaust / fresh air galvanized steel RAL 9016 painted</p>	
<b>RAVMCS600</b>	 <p>Atenuator de zgomot circular, fără ogivă, din oțel galvanizat Circular sound attenuator with out ogive in galvanized steel</p>	<b>RAVMCS600250</b> (250 mm) <b>RAVMCS600500</b> (500 mm) <b>RAVMCS600750</b> (750 mm) <b>RAVMCS6001000</b> (1000 mm)

## APLICAȚII | APPLICATIONS

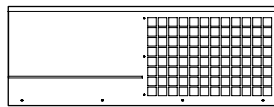


DESENE | DRAWINGS

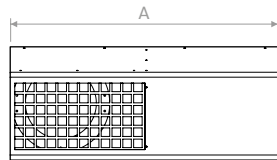
NMC160600



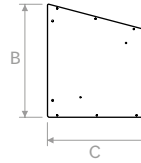
Vedere de jos | Bottom View



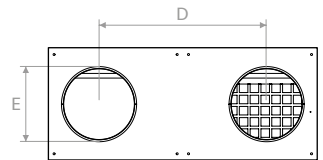
Vedere din față | Front View



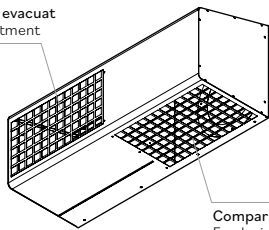
Vedere laterală | Side View



Vedere din spate | Rear View



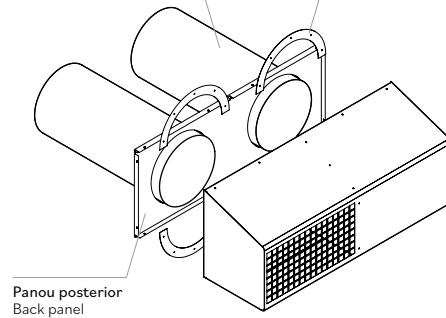
Compartiment aer evacuat  
Exhaust air compartment



Compartiment aer proaspăt  
Fresh air compartment

Tubulaturi ieșite din perete  
Ducts coming out of the wall

Ghilotine pentru prinderea  
tubului circular  
Chillottines for circumference  
adaption of the ducts

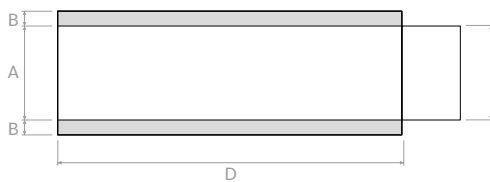


	A	B	C	D	E
mm	950	370	320	591	Ø 265

RAVMCS

Interior | Internal

Exterior | External



	A	B	C	D
mm	250	25	248	250 / 500 / 750 / 1000