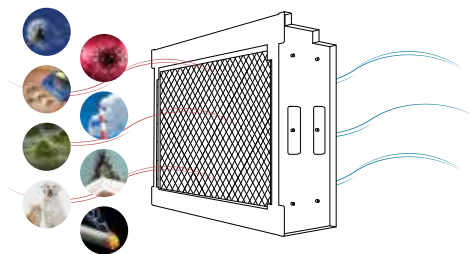


VMCS1200



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



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 CO₂ (CO2RF)
- Filtru eficiență F7 (VMCS1200 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 **with constant flow operation.**

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

Optional:

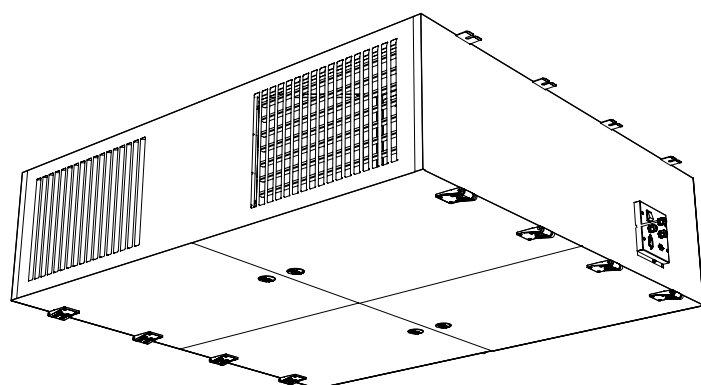
- CO₂ control (CO2RF)
- F7 efficiency filter (VMCS1200 F7)
- modbus communication device (MODBUSRF)

VMCS1200 - VMCS1200FE

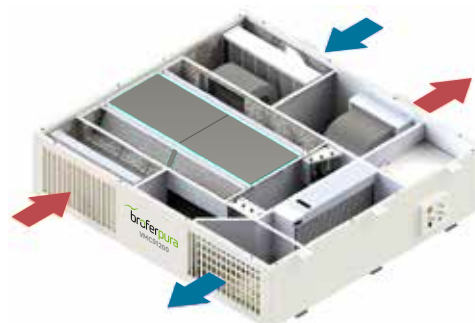
Debit aer proaspăt Replacement airflow	1200 mc/h
Debit evacuat Extraction airflow	1200 mc/h
Eficiență recuperare de energie* Thermal recovery efficiency*	85 %
Putere instalată un singur ventilator (W) Installed power single fan (w)	350
Filtru pe aerul proaspăt Replacement air filtration	M5 ISO COARSE ≥ 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 ₂ CO ₂ control	Opțional Optional



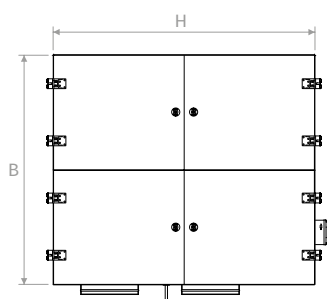
DESENE | DRAWINGS



GREUTATE | WEIGHT: 220 kg



Vedere de jos | Bottom View



Vedere laterală dreapta | Side view right



Vedere din față | front view



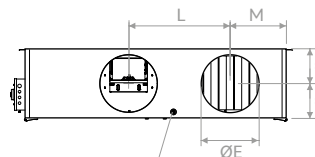
Racord alimentare electrică | Power supply input
 Racord controller | Controller input
 Buton pornire | Power button

Vedere laterală stânga | Side view left



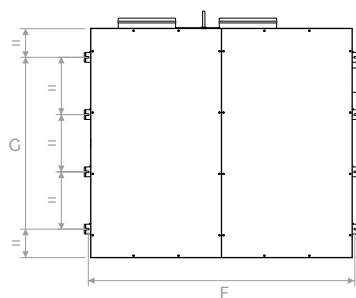
Uși de inspecție
 Inspection doors

Vedere din spate | Rear view



Evacuare condens | Condensate drain
 Tub vitrat Ø20 | Vitreous pipe Ø20

Vedere de sus | Top view



	B	H	C	ØE	F	G	L	M
mm	1400	1600	426	355	1628	1050	623	344

VMCS1200

DIAGrame PARAMETRII | PERFORMANCE CHARTS

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

Diagramă eficiență vara

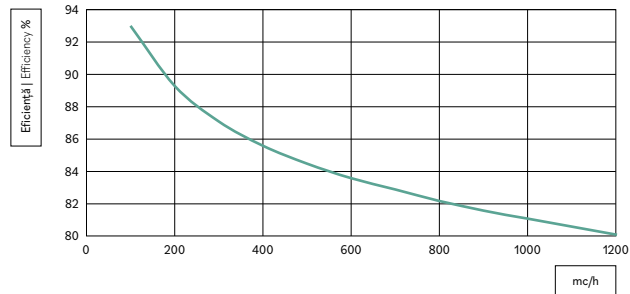
Aer proaspăt: 32 °C / 50 % R.H.

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

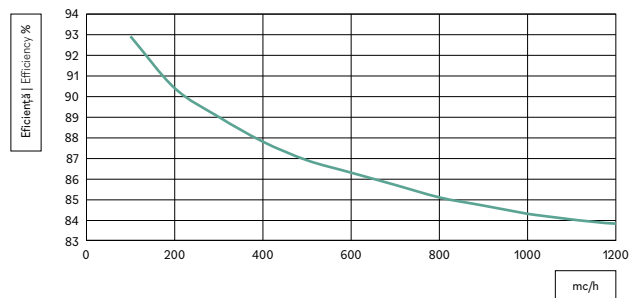
Aer proaspăt: -5 °C / 80 % R.H.

Aer evacuat: 20 °C / 50 % R.H.

Winter efficiency chart

Fresh air: -5 °C / 80 % R.H.

Return air: 20 °C / 50 % R.H.



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							dB	
	mc/h		63	125	250	500	1000	2000	4000		8000
Viteză mare High speed	1270		46,5	54	56	52,5	59	57	47	40,5	
Viteză medie Medium speed	910		42,5	47	46,5	45,5	53	51,5	39	32	
Viteză mică Low speed	740		39	43,5	43,5	42	49	45,5	34	27	




DATE PARAMETRII ECODESIGN | ECODESIGN DATA SHET

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	Neetanșeitare internă Internal leakage	Neetanșeitare externă External leakage
	%	mc/h	pa	w/m³/s	w/m³/s	m/s	%	%	%
VMCS1200	79,4	850	250	1341	1436	1,44	53	4,5	5,2





PREȚURI | PRICES

Model Model	€
VMCS1200 versiune standard standard version	
VMCS1200FE versiune cu filtru electronic vesion with electronic filter	
VMCS1200G4 ffiltru G4 eficiență (piesă de schimb) filter G4 efficiency (spare part)	
VMCS1200M5 filtru M5 eficiență (piesă de schimb) filter M5 efficiency (spare part)	
VMCS1200F7 Filtru F7 pentru aer proaspăt F7 efficiency filter for replacement air	

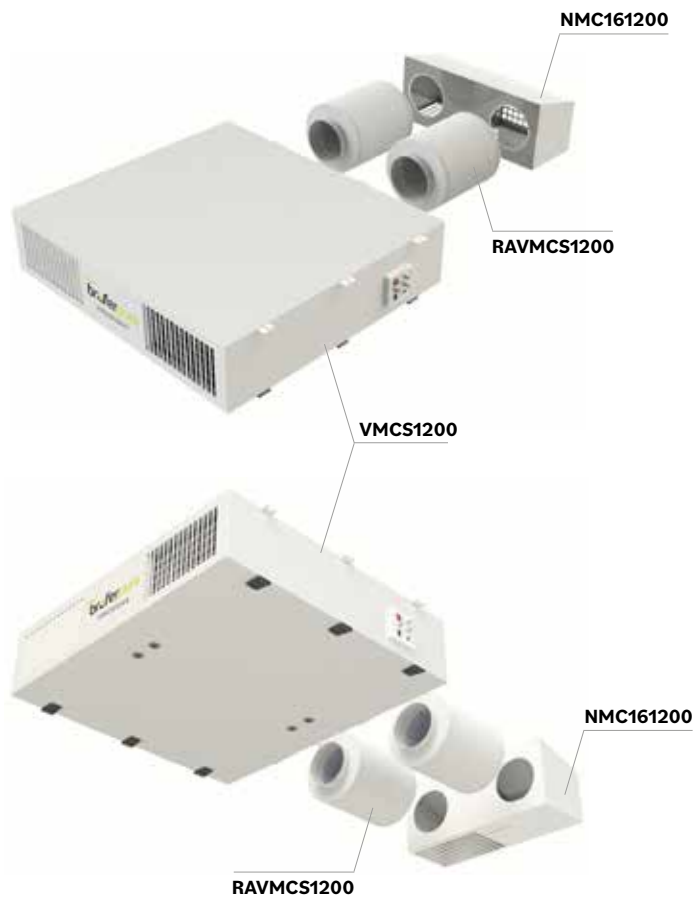
	4BRF	CO2RF	MODBUSRF
Model Model			
Control viteze Speed control	●	●	
By-pass	●	●	
Protecție îngheț Defrost protection	●	●	
Filtre colmatate Clogged filters	●	●	
Control umiditate Humidity control			
Control CO ₂ CO ₂ control		●	
Funcție booster Booster function	●		
leșire MODBUS MODBUS gate way			●
Selectare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

VMCS1200

ACCESORII | ACCESSORIES

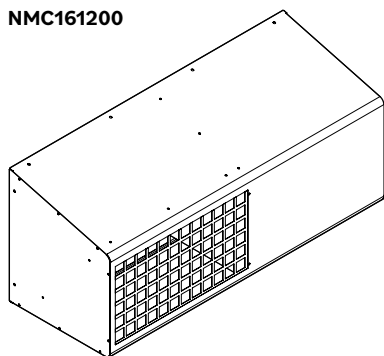
Model Model		€
NMC161200	 <p>Modul compact introducere/evacuare, din oțel galvanizat vopsit RAL 9016 Compact module exhaust / fresh air galvanized steel RAL 9016 painted</p>	
RAVMCS1200	 <p>Atenuator de zgomot circular, fără ogivă, din oțel galvanizat Circular sound attenuator with out ogive in galvanized steel</p>	RAVMCS1200250 (250 mm) RAVMCS1200500 (500 mm) RAVMCS1200750 (750 mm) RAVMCS12001000 (1000 mm)

APLICAȚII | APPLICATIONS

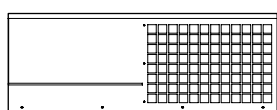


DESENE | DRAWINGS

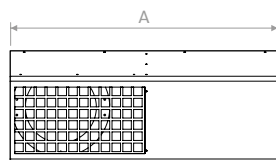
NMC161200



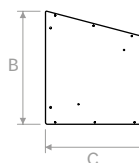
Vedere de jos | Bottom View



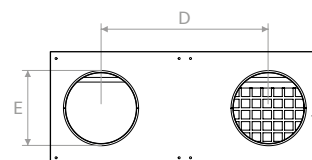
Vedere din față | Front View



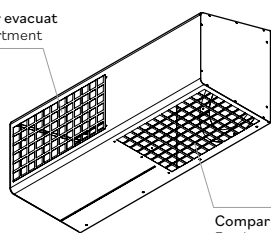
Vedere laterală | Side View



Vedere din spate | Rear View



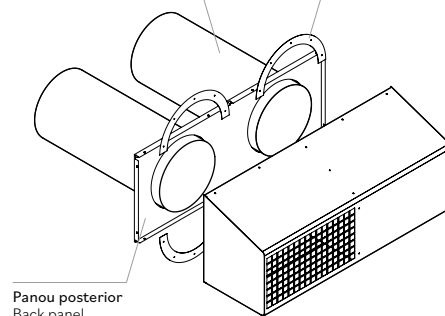
Compartiment aer evacuat
Exhaust air compartment



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

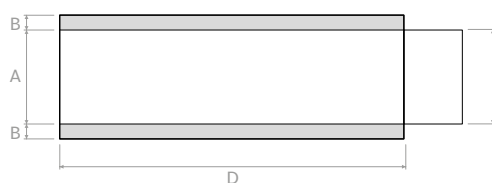


Panou posterior
Back panel

	A	B	C	D	E
mm	1200	490	390	618	Ø 365

RAVMCS

Interior | Internal



Exterior | External

	A	B	C	D
mm	355	25	353	250 / 500 / 750 / 1000