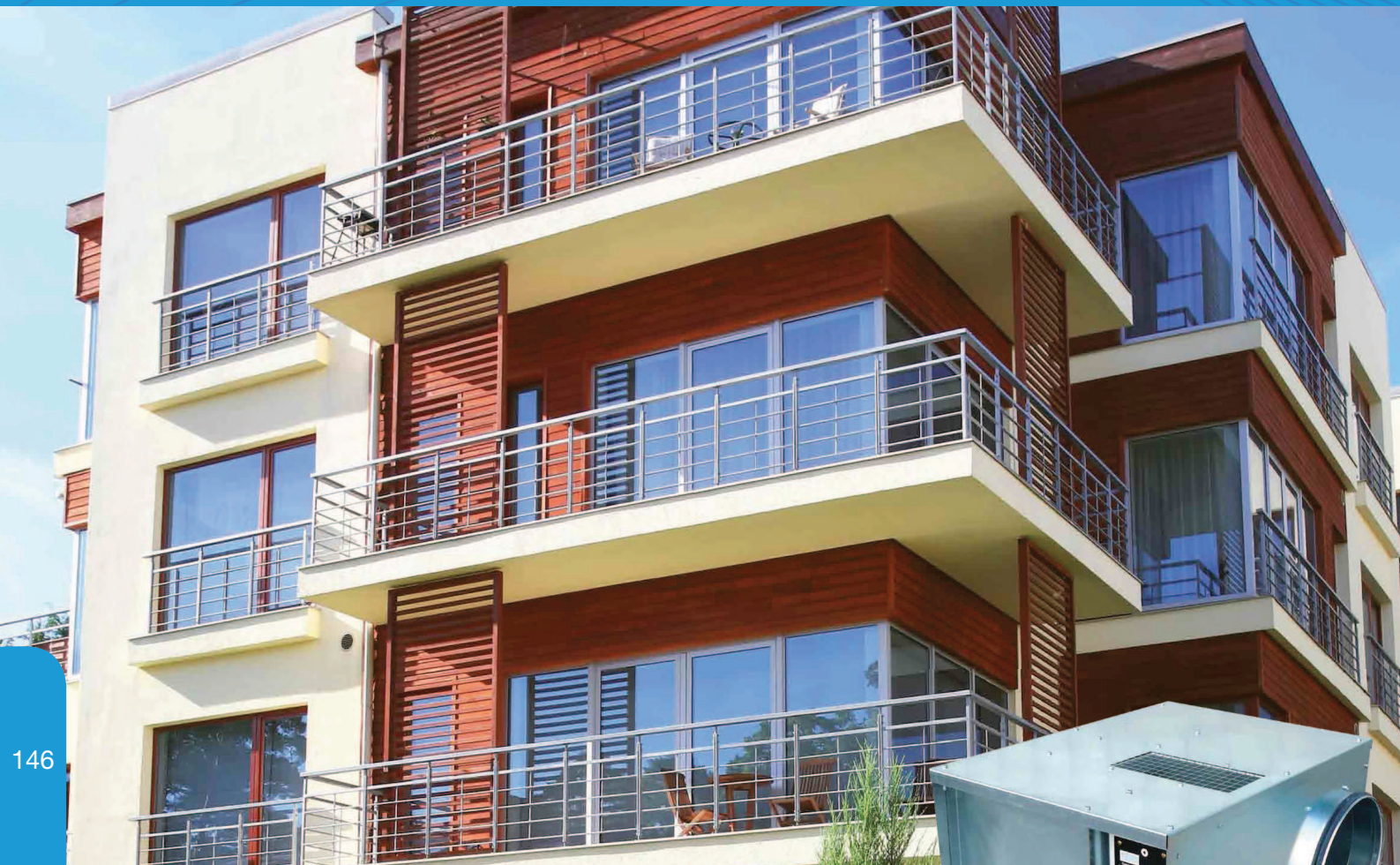


EXTRACTION CHAMBERS

APPROVED TO CATEGORY 4



146

VMCM R-Control 900 to 2600



C4 APPROVED, 400°C - 1/2 h for collective accommodation and ERP

COMPATIBLE WITH ALL VMC TYPES (self adjusting, humidity controlled A and B, gas)

VERY LOW ELECTRICITY CONSUMPTION (up to 40 % energy saving)

PRESSURE CONTROLLED over the whole range of flow rates (flat curves)

ULTRA-COMPACT and multi-branch pipe range

Series mounted local switch

Branch pipes with seals for reinforced network airtightness

VERY LOW sound level

SINGLE PHASE power supply

EASE OF INSTALLATION, internal or external installation

NATHER

COLLECTIVE ACCOMMODATION

Category 4 approved extraction chambers, 400°C - 1/2 h

VMCM R-Control 900 to 2600



COLLECTIVE HOUSING



TERTIARY BUILDING



COMFORT AND C4 APPROVED



LOW CONSUMPTION MOTOR



LOW CONSUMPTION BUILDING



The VMCM R-Control 900 to 2600 chambers, approved to 400°C 1/2 h, are specially designed for the extraction of air flows in collective housing and tertiary buildings. They are compatible with all CMV types: self-adjusting, humidity-controlled (depending on technical recommendation) with or without gas boiler. They allow the requirements of the New Acoustical Regulations (NRA) and standard NF XP P50-410 (DTU 68.1) to be met. Equipped with an EC motor, these chambers comply with the requirements of directive ErP 2009 / 125 / EC and allow an exceptional gain in consumption for BBC and RT 2012 labelled low consumption buildings. This technology also greatly limits the excess pressure at minimum flow rate for each installation (reduces noise at vents). Very compact they are very easy to install in small equipment spaces (in attics or equipment room), but also on building terraces.

DESCRIPTION

- Controlled pressure extraction chamber (single phase power supply), approved to 400°C – 1/2 h
- PV no. 12-E-164, n° 12-E-166, Ext n. 12-E-164-1
- R-Control unit delivered pre-cabled inside the chamber (maximum protection during transport)
- Electronic pressure regulation due to the R-Control system
- Intuitive pressure setting adjustment using digital display
- Motor / impeller set access hatch
- Multiple (up to 3) circular intake branch pipes on side, discharge on top: chambers adaptable to all installation configurations

RANGE

3 models: VMCM 900, VMCM 1600, VMCM 2600 R-Control

Flow rates: from 50 to 2600 m³/h

Max flow rate in m³/h at 100 Pa.

VMCM 900 R-Control jusqu'à 950 m³/h

VMCM 1600 R-Control jusqu'à 1600 m³/h

VMCM 2600 R-Control jusqu'à 2600 m³/h

CONSTRUCTION

- Galvanized steel casing
- EC electronic commutation direct current motor outside air jet, outside air flow
- High performance pressure sensor
- Factory fitted and cabled electronic control board
- Single inlet centrifugal impulse impeller
- Direct coupled motor / impeller assembly
- Protective flyscreen grill at discharge
- Circular branch pipe connections with seals
- Series mounted local switch
- Fixing lugs with Ø 6 mm holes
- Motor access hatch

Standard accessories



- Branch pipe connections with seals: provide reinforced airtightness at the network connection.



- Local switch: provides local isolation during maintenance operations.

COLLECTIVE ACCOMMODATION

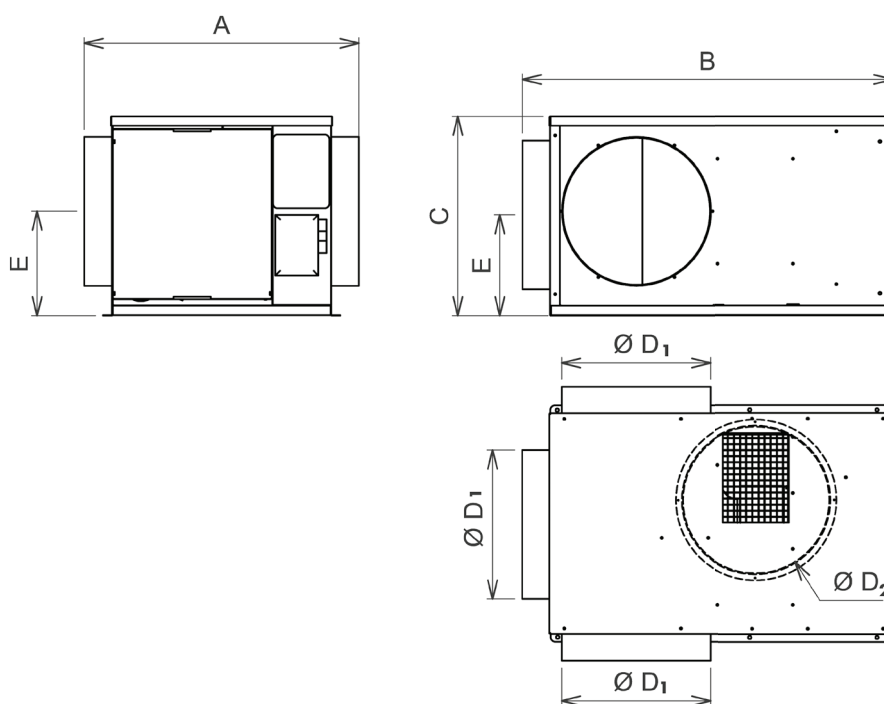
Category 4 approved extraction chambers, 400°C - 1/2 h

VMCM R-Control 900 to 2600

▶ INSTALLATION

- Very compact, the 900 and 1600 R-Control models have a cross section less than a 600 x 600 hatch
- Factory fitted and cabled local switch
- Pressure setting adjustment by 2 sensitive keys
- Internal and external installation without additional accessories
- On the ground or mounted on hangers on anti-vibration mountings

▶ DIMENSIONS



	A	A1	B	C	ØD1	ØD2	E	F	G	H	Weight (kg)
VMCM 900 R-Control	553	440	660	386	250	250	203	442	102	212	20
VMCM 1600 R-Control	588	474	793	427	315	315	224	549	140	192	30
VMCM 2600 R-Control	760	616	986	502	400	400	261	661	200	280	40

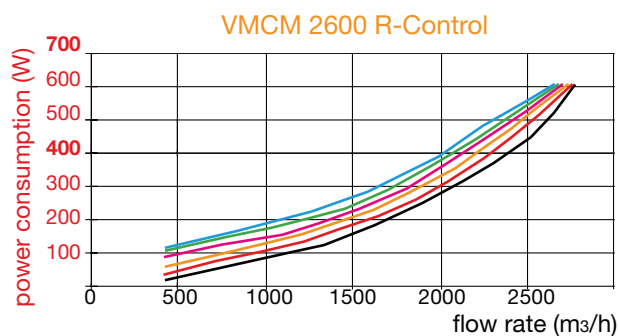
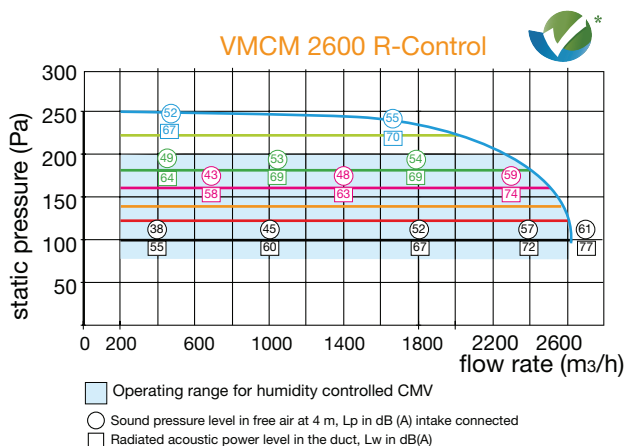
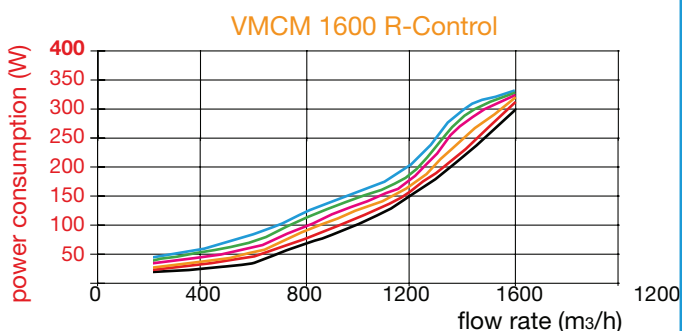
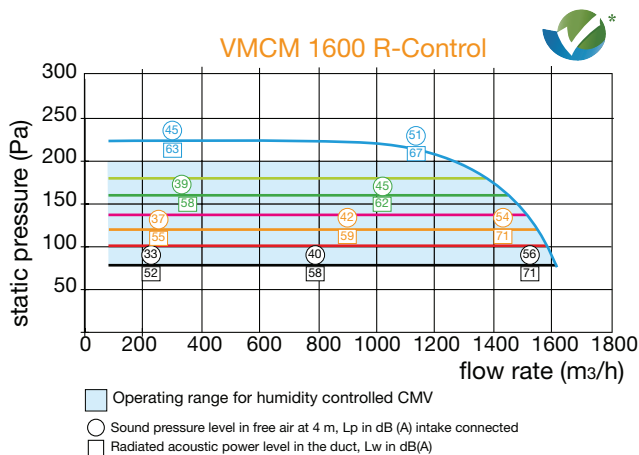
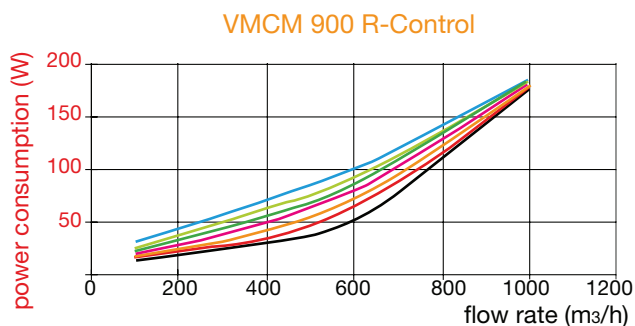
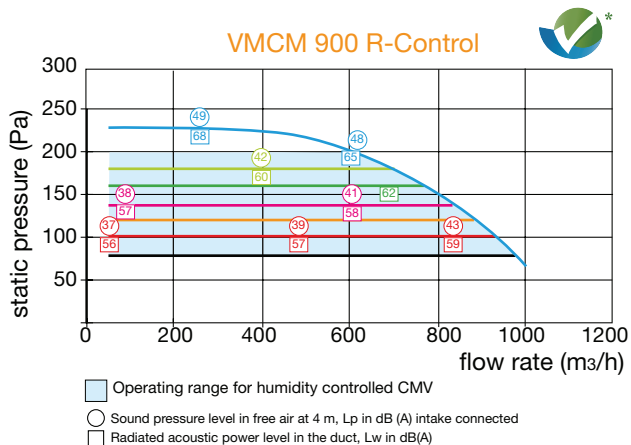
A B C D E: dimensions in mm. Weight in kg.
 Ø D1: intake diameter (standard)
 Ø D2: discharge diameter (optional)

COLLECTIVE ACCOMMODATION

Category 4 approved extraction chambers, 400°C - 1/2 h

VMCM R-Control 900 to 2600

VENTILATION AND POWER CONSUMPTION FEATURES



€* The products marked with this logo comply with the performance display recommendations defined by Uniclma.

COLLECTIVE ACCOMMODATION

Category 4 approved extraction chambers, 400°C - 1/2 h

VMCM R-Control 900 to 2600

ELECTRICAL FEATURES

	VMCM 900 R-Control	VMCM 1600 R-Control	VMCM 2600 R-Control
Impeller type	action	action	action
Impeller	180 x 70	240 x 92	280 x 127
Power supply	230 V - 1Ph - 50 Hz	230 V - 1Ph - 50 Hz	230 V - 1Ph - 50 Hz
Max motor power (W)	180	340	750
Max current (A)	1.3	1.5	5.4
Rotation speed (rev/min)	1420	1160	980

ACCESSORIES

Optional accessories



Flexible sleeve (400°C – 2 h) avoids any transmission or residual vibrations from the unit to the duct system.



Anti-vibration mounts avoid the transmission of any vibrations from the unit to its environment.



Pressure sensor kit indicates the unit's operating status by measuring its depression with information feedback. Factory fitted, it can be installed later in the kit version (installation compliance upgrade).



Circular discharge collar allows discharge connection to an external air outlet on façade or roof.

Gas pressure sensor, compulsory for gas CMV, it indicates the unit's operating status by measuring its depression with information feedback. It is factory fitted.



Backup motor / impeller set sometimes necessary to respond to requirements in terms of after sales service response times.



Galvanised steel rigid sound trap situated on the inlet, reduces transmission of any sound to the system.