

ENTHALPY RECOVERY UNIT

4 CAPACITIES

150~500 m³/h

COMPACT DESIGN

1160 mm wide, **220 mm** high and **700 mm** deep for models from 150 to 250 m³/h

LOW SOUND IMPACT

43 dB(A) for the 150 m³/h model

VENTILATION SPEED

5 + automatic

DAILY TIMER

FILTER AND HEAT EXCHANGER

easily removable

FILTER CLEANING

filter cleaning and replacement reminder

HIGH degree of filtration (F7)

CONTROL

wired control included

M-V-THE-150~500-NG2



Model		M-V-THE-150-NG2	M-V-THE-250-NG2	M-V-THE-350-NG2	M-V-THE-500-NG2
Control (included)				Wired control	
Heat exchange efficiency ¹	%	80	75	76	73
Electrical data					
Power supply	Ph-V-Hz			1-220~240V-50Hz	
Power absorption	W	50	105	155	250
Product specifications					
Dimensions	WxHxD	mm	1160x220x700	1160x220x700	1200x240x785
Net weight		Kg	50	50	60
Sound power level		dB(A)	43	50	55
Volume of air treated		m ³ /h	150	250	350
Fan static pressure		Pa	100	100	100
Ducting flange	Diameter	mm	150	150	150
Application field (suctioned air temp.)		°C		-15~50 DB (max UR 80%)	
Specific energy consumption ²	SEC	kWh/m ² .a	-35,1	-28,7	-
SEC ² Class			A	B	-

Reference standards: Ecodesign Directive EU 1253/2014 for Non-residential ventilation units (NRVU) and residential ventilation units (RVU). Energy Labelling EU 1254/2014 Residential ventilation units (RVU).

1. Values relating to the following conditions: cooling efficiency: indoor air 27° C DB/20° C WB; outdoor air 35° C DB/29° C WB. Heating efficiency: indoor air 20° C DB/14° C WB; outdoor air 5° C DB/2° C WB.

2. Mandatory data only for residential ventilation units (RVU).

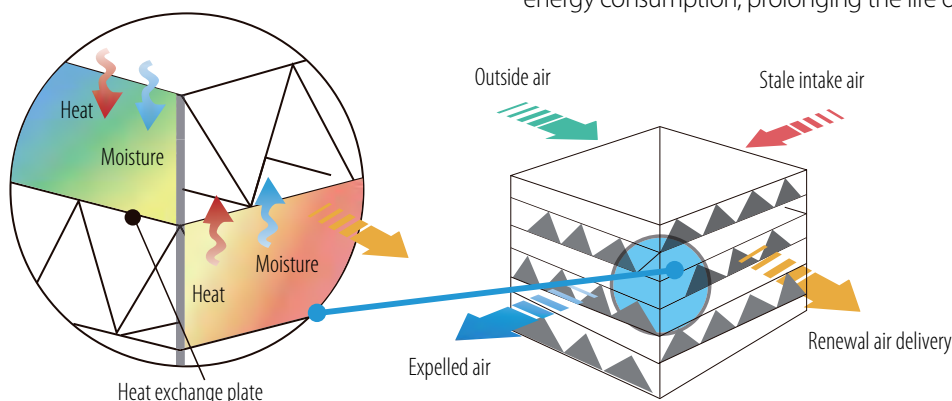
INDIVIDUAL USE ENTHALPY HEAT RECOVERY UNIT

Ventilation system that allows the enthalpic recovery of heat from the indoor air. Suitable for residential and commercial applications, it makes the environment healthy and the air clean.

The recovery unit generates energy savings, thanks to the heat and humidity of the expelled air, which are recovered.

Recovery unit operation in winter-summer

The energy contained in the fresh air expelled from the rooms, which would otherwise be dispersed into the atmosphere, is recovered; this is used to pre-heat/pre-cool the air entering from outside.



FUNCTIONS AVAILABLE FROM THE CONTROL

Linkage control

Automatic activation of the heat recovery unit via CAN-BUS communication if at least one indoor unit is active; shutdown if all indoor units are off.

Auto control

4 selectable air filtration level settings (excellent, good, moderate, sufficient).

Free cooling with automatic bypass

Available when the outdoor temperature drops below the inside temperature (e.g. during night hours). This function reduces the fan's energy consumption, prolonging the life of the exchanger.