

EVHRPX Heat recuperator enthalpy for flow rates from 165 to 450 m³/h



Description

Recovery unit with high efficiency heat exchange pack enthalpy . Thanks to brushless motors with innovative exchange pack with a semipermeable membrane, ensures a sensible heat recovery up to 90% and enthalpy recovery up to 70% , free from bacterial contamination.

Characteristics

Structure in painted galvanized steel
Sandwich panels with interposed polystyrene insulation.
Plate heat exchanger with patented crossed-flow high-efficiency cross-flow membrane.
Very high exchange efficiency, moisture transfer, no bacterial contamination.
Brushless fans with electronic motor and modulating control.
Very high efficiency and low noise levels.
Filters with F7 efficiency.
Free cooling realized inside the unit with wide air passage and damper with motorized actuator.
Electronic speed control

Electronic control:

Version I: Electrical panel complete with 4 fan speed management board, antifreeze, automatic bypass, temperature probes, management of post-heating batteries and automatic dirty filter signaling.
Control panel required to operate the unit with a capacitive touch for mounting on a 503 box or on a wall;

Version E: On-board electrical panel with microprocessor and dedicated regulation.
Management of modulating fans, visualization of internal temperature probes, timed dirty filter management, free-cooling management with temperature probes.
Wide graphical interface with configuration menu and multi-lingual user menu.

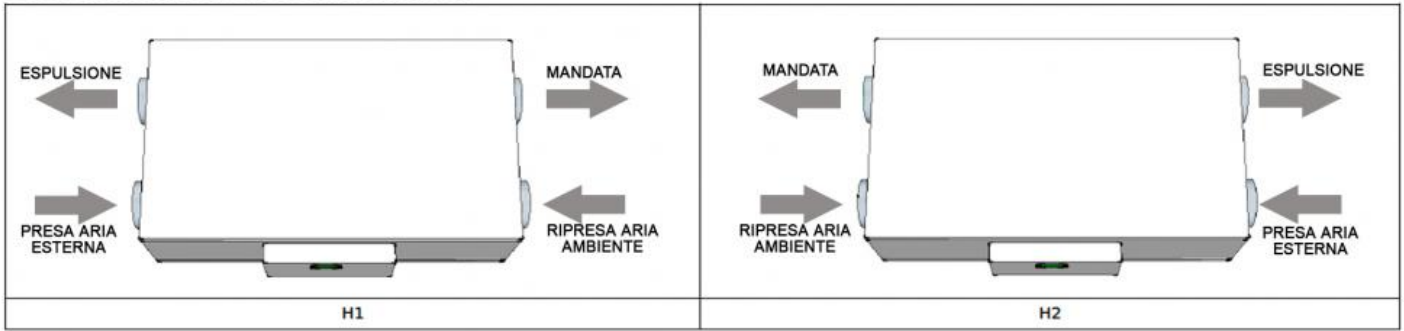
Use

Houses, surgeries, shops for air exchange with a reduction of 80 % of the waste of energy .

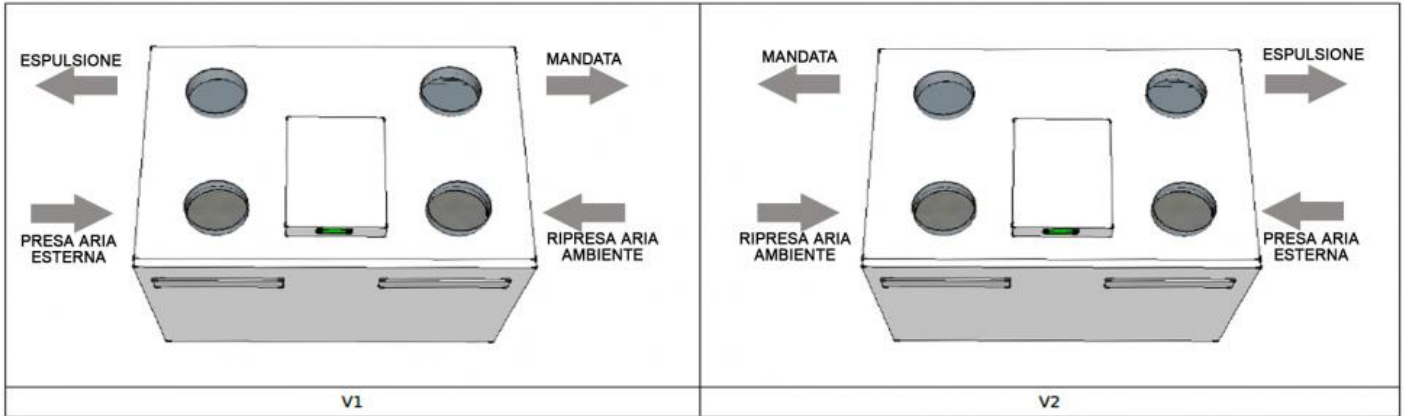
Technical features

Grandezza		20 H	20 V	30 H	30 V	40 V	50 V
Tipo di Ventilatori		Radiali a pala rovescia - motore elettronico direttamente accoppiato - segnale 0/10 V					
Numero Ventilatori	Nr.	2					
Portata aria	m ³ /h	165	158	302	306	375	450
Pressione utile	Pa	100	100	100	100	100	100
Scambiatore di calore (Dati riferiti alla norma UNI EN 13141-7 Temp.interna 20° - Umidità interna 28% - Temp.esterna 7° - Umidità esterna 72%)							
Tipo di scambiatore		Piastrre controcorrente - materiale polipropilene					
Numero Scambiatori	Nr.	1					
Efficienza sensibile	%	75,5	74,3	74	73,8	78	73,1
Efficienza latente	%	46	45,6	44,8	44,7	47,2	43,4
Filtri							
Tipo di filtri		Filtri Piani					
Classe di filtrazione		F7					
Dati acustici (Dati riferiti alla norma UNI EN 3741 e UNI EN 3744)							
Pressione sonora a 3 mt	dB(A)	40,8	38,6	41,7	41	38,4	47,5
Dati Elettrici							
Tensione di alimentazione		230 / 1 / 50 Hz					
Corrente assorbita	A	0,74	0,74	1,6	1,6	1,6	3,5
Potenza assorbita	W	96	96	170	170	170	340
Grado di protezione	IP	44	44	44	44	44	44
Dimensionali							
Larghezza	mm	800	628	940	786	786	786
Profondità	mm	450	474	620	618	786	736
Altezza	mm	250	568	360	668	668	668
Diametro attacchi	mm	125	125	160	160	160	160
Scarico condensa	mm	12	20	12	20	20	20

CONFIGURAZIONE VERSIONE ORIZZONTALE H



CONFIGURAZIONE VERSIONE VERTICALE V



Recuperator price list:

modello	versione	
	I regolabile + By Pass	E elettronico + By Pass
	euro	euro
20 H	✓	✓
20 V	✓	✓
30 H	✓	✓
30 V	✓	✓
40 V	✓	✓
50 V	✓	✓

VERSION I accessories price list

Item normally available from stock

modello	controllo elettronico remoto EVCNV	sensore umidità EVSU	sensore VOC EVVOC	kit coppia filtri versione ORIZZONTALE	kit coppia filtri versione VERTICALE
	euro	euro	euro	euro	euro
20	✓	✓	✓	✓	✓
30	✓	✓	✓	✓	✓
40	✓	✓	✓	✓	✓
50	✓	✓	✓	✓	✓



VERSION E accessories price list

Item normally available from stock

modello	controllo elettronico remoto		sensore umidità EVSU	sensore VOC EWOC	kit coppia filtri versione ORIZZONTALE	kit coppia filtri versione VERTICALE
	touch screen EVTNF	Scatola da incasso per EVTNF				
	euro	euro	euro	euro	euro	euro
20	▼	▼	▼	▼	▼	▼
30	▼	▼	▼	▼	▼	▼
40	▼	▼	▼	▼	▼	▼
50	▼	▼	▼	▼	▼	▼

