ERV

Heat recovery unit

Compact high-efficiency heat recovery unit.
Air displacements of 500, 1000 and 2000 m^3/h.

For more information, downloads and videos, visit the ERV page on our website

Ceiling heat recovery unit with an efficiency up to 78%

Delivery from stock!

The Mark ERV is the ideal solution for energy efficient ventilation and a comfortable indoor climate. The appliance is equipped with a high efficiency counter flow heat exchanger with an heat recovery efficiency up to 78%. This means that 78% of the energy expelled is supplied to the fresh intake air. This high efficiency means that in many cases no after-heating is required.

Possible applications for the ERV include offices, showrooms, apartment complexes and schools.

The Mark ERV is intended as a decentralized heat recovery unit. For central heat recovery, please refer to the Mark Aerflow.

Optional:

- Electric re-heaters
- Disinfection-unit to sterilize the outdoor polluted air

Product features

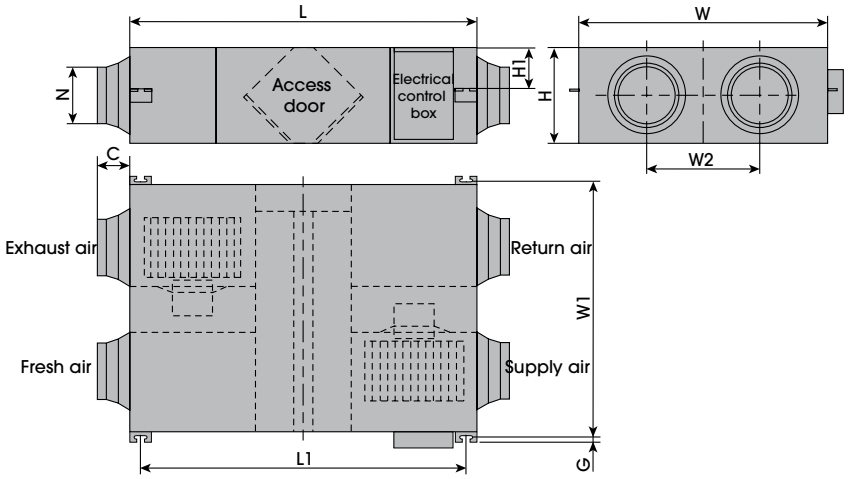
- High efficiency for optimal air comfort
- No condensation drain required
- Exchange of heat and moisture
- Energy-saving BLDC motor with 10 speeds
- Innovative high efficiency counter flow exchanger
- Low weight
- Indoor installation
- Automatic bypass, intelligently controlled by outside temperature
- Plug & play control, optional CO2 and humidity control function, remote control and Modbus/BMS* control available
- ErP 2018 ready!

* For type 2000 only available at extra cost. Inquire about the possibilities.

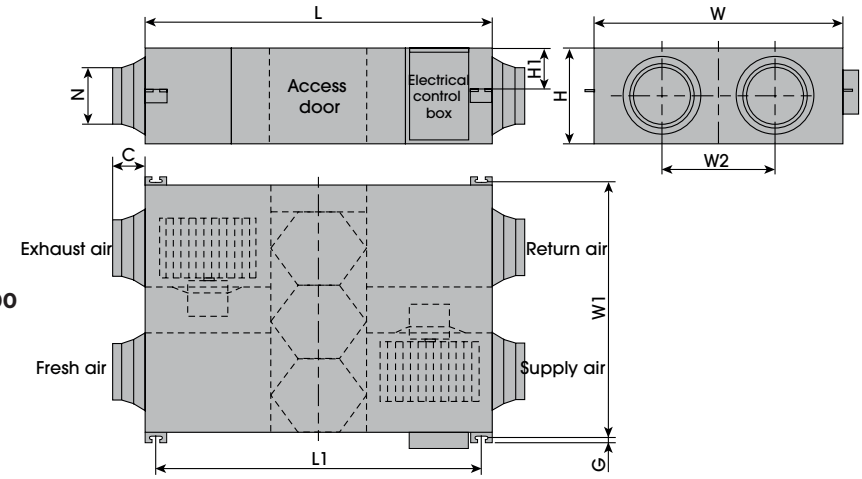
A Mark disinfection unit (MDU) can be used in combination with a Mark ERV. This unit is equipped with a UVC germicidal lamp with a wavelength of 254 nm and a medical photocatalytic sterilization filter to kill bacteria and viruses in a short time. This makes the MDU an excellent weapon in the fight for cleaner air.

Dimensions

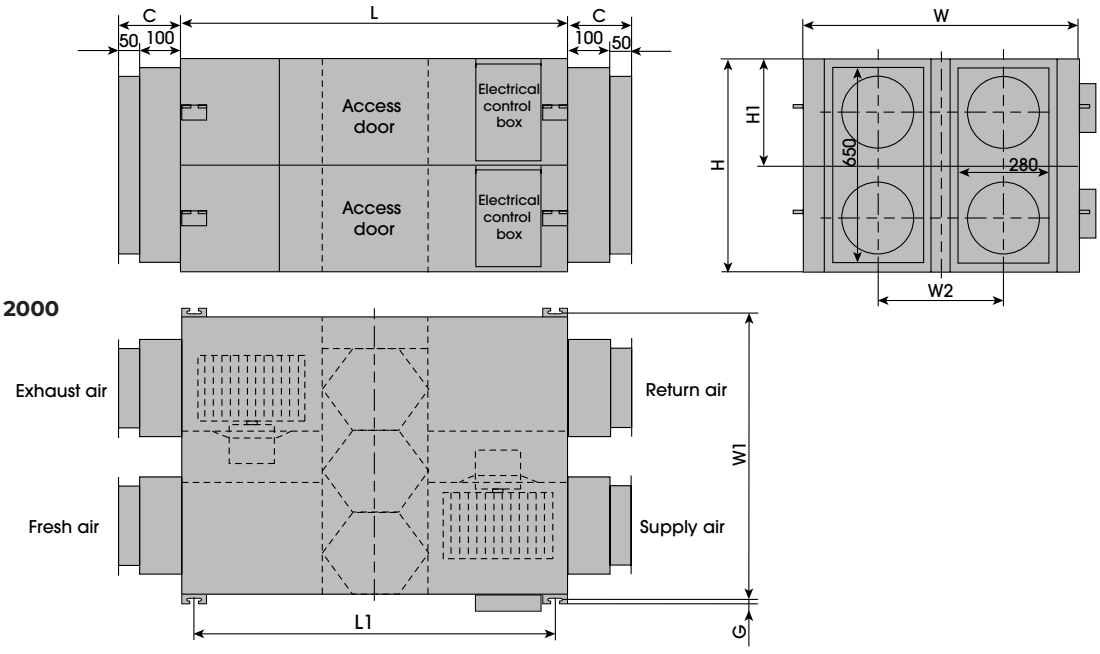
ERV 500



ERV 1000



ERV 2000



Type*	L	L1	W	W1	W2	H	H1	C	G	N
ERV500	962	890	904	960	500	270	111	107	19	ø 194
ERV1000	1322	1250	1134	1190	678	388	170	85	19	ø 242
ERV2000	1322	1250	1134	1190	678	785	170	150	19	280*650

*See images previous page

Technical information

Type		500	1000	2000
Air amount	m3/h	441	1208	1680
External pressure	Pa	60	110	110
Cooling efficiency	%	62-74	65-74	65-74
Heating efficiency	%	67-75	71-78	71-78
Temperature efficiency	%	75-86	75-85	75-85
Noise level (1m)	dB(A)	39	43	51.5
Supply voltage	V	220	220	220
Power	W	88	243	486
Weight	kg	43	83	189

Noise level (dB):

Type	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Overall dB(A)
ERV500	34	40	35	35	36	28	22	17	39
ERV1000	38	44	39	41	40	31	31	19	43
ERV2000	45	52	46	48	48	48	37	23	51