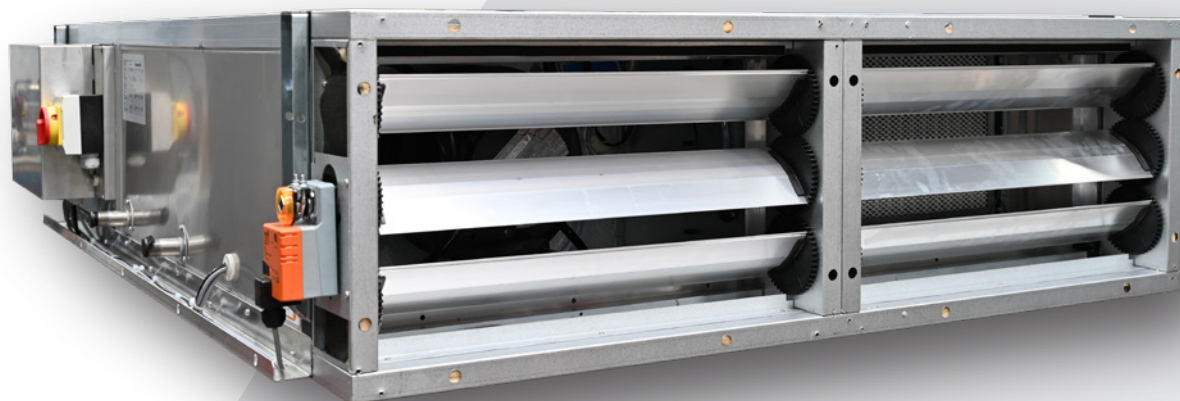


FLATLINE LW

Heat recovery unit

Ceiling heat recovery unit.

Air amounts of 400 - 3000 m³/h.



For more information,
downloads and videos,
visit the FlatLine LW page
on our websites



Ceiling heat recovery unit with 90% efficiency



The Mark FLATLINE LW compact heat recovery unit is the ideal solution for energy efficient ventilation and a comfortable indoor climate. The device is equipped with a counterflow plate exchanger with a heat recovery efficiency of 90%. This means that 90% of the extracted energy is released into the fresh supply air. Due to this high efficiency, no additional heating is required in most cases.

The ceiling heat recovery units are tested at the factory and delivered Plug & Play.

The FLATLINE LW heat recovery unit can be used in offices, showrooms, apartment complexes and schools. Thanks to the low height of the units, they are ideal for installation above suspended ceilings.

The Mark FLATLINE LW is intended as a decentralized heat recovery unit. For central heat recovery, we would like to refer you to the Mark AIRSTREAM range.

The mechanical strengths of the casing of the Mark Flatline LW have been tested according to NEN-EN 1886:

- | | |
|-------------------------|-----------|
| • Deflection: | Class D3 |
| • Air leakage: | Class L2 |
| • Thermal transmission: | Class T4 |
| • Thermal bridging: | Class TB4 |

Optional:

- Water-Supplied Heating Battery
- Water-supplied cooling system
- Damper section
- Channel progression from rectangular to round
- Louvered dampers for supply and discharge sides
- Constant pressure control (supply)
- CO2 control (not in combination with pressure control)
- Room temperature control

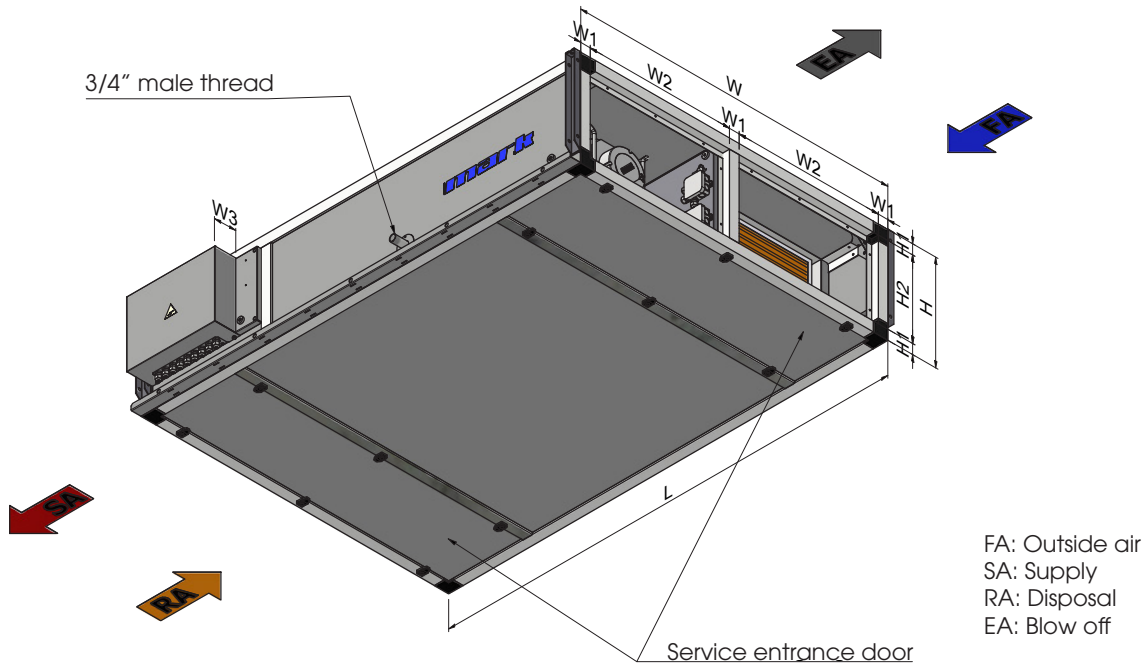
Product features

- Quiet
- Compact and standard designs
- Double-walled insulated aluminum AIMg3 casing
- Aluminum counterflow heat exchanger
- Bypass for night ventilation and cooling
- EC fans
- Integrated Plug&Play control
- Can be connected to GBS, BACnet or Modbus via the internet.
- Air quantities from 400-3200m³/h
- Efficiency >90%
- Indoor installation
- Supply filter ePM1 55%
- Drain filter ePM10 75%
- Filter pressure monitoring
- On/off contact
- Fire contact
- Available from stock

Standard unit dimensions*

Type	L	W	W1	W2	W3	H	H1	H2	Weight
800/1200/1500	1830	1280	40	580	103	400	40	320	130KG
1800/2400/3000	2340	1890	40	885	103	490	40	410	240KG

*See the technical book for dimensions of the optional accessories.



Technical information

FlatLine LW		800	1200	1500	1800	2400	3000
Maximum air amount	m ³ /h	800	1200	1500	1800	2400	3000
Maximum external pressure	Pa	300	300	300	300	300	300
Efficiency up to	%	90	90	90	90	90	90
Total power consumption per unit	KW	0,4	0,58	0,86	0,86	1,14	1,54
Max power consumption per unit	KW	1	1	1	2	2	2
Nominal per unit	A	2	2,79	3,91	4,25	5,57	7,12
Max power consumption per unit	A	4,8	4,8	4,8	9,4	9,4	9,4
Sound pressure level ¹	dB(A)	33	39	43	39	42	47
Supply voltage (50hz) ¹	V	1-230	1-230	1-230	1-230	1-230	1-230

¹ on a 5 meter free field at Pextem is 100Pa

Codelist Flat Line

MAIN PRODUCT - Flat Line LW**Order code Description**

5997422 Flat Line 800 LW

5997423 Flat Line 1200 LW

5997424 Flat Line 1500 LW

5997428 Flat Line 1800 LW

5997429 Flat Line 2400 LW

5997430 Flat Line 3000 LW

ACCESSOIRES - ADDITIONAL SECTIONS**Order code Description**

5997474 Louvre damper supply & discharge side for Flat Line LW 800/1200/1500 including servo motor

5997477 Louvre damper supply & discharge side for Flat Line LW 1800/2400/3000 including servo motor

5997484 Heating section for Flat Line LW 800/1200/1500 including battery*

5997487 Heating section for Flat Line LW 1800/2400/3000 including battery*

5997494 Cooling section for Flat Line LW 800/1200/1500 including battery, drip catcher and drip tray*

5997497 Cooling section for Flat Line LW 1800/2400/3000 including battery, drip catcher and drip tray*

5090100 Duct reducer rectangular to round for Flat Line LW 800/1200/1500, from 580x340mm to D=315mm

5090105 Duct reducer rectangular to round for Flat Line LW 1800/2400/3000, from 885x430mm to D=450mm

5090110 Attenuator D=315mm L=900mm for Flat Line LW 800/1200/1500

5090120 Attenuator D=315mm L=1200mm with core for Flat Line LW 800/1200/1500

5090115 Attenuator D=450mm L=1000mm for Flat Line LW 1800/2400/3000

5090125 Attenuator D=450mm L=1200mm with core for Flat Line LW 1800/2400/3000

*Heater or cooler section cannot be selected simultaneously

ACCESSOIRES - OTHER**Order code Description**

0631374 OJ user interface with touchscreen

5995791 Ball siphon over/under pressure set complete

3004505 Constant pressure control supply (only supply possible)

0629165 CO2 control with separate sensor (in case of pressure control, CO2 is not possible)

0629356 Room temperature control (when using after-heater or cooler)