

# HPS midi Fresh



Thanks to twenty years of experience in the field of air treatment, **Labiotech** is in a position to offer a large number of solutions, mostly for the abatement of odors, chemical pollutants and dusts.

**Labiotech** designs, manufactures and tests all the offered equipment, on which the company ensures assistance and after-sale maintenance.

**Labiotech** supplies plants designed and tested to guarantee **"top"** results.

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## HPS midi Fresh

**HPS midi Fresh** is a spraying system used:

- to contain odors;
- to abate dusts;
- to refresh outside environments.

## Odors abatement

**Osmogenic barriers** using dilution water and specific products that are certified can neutralize smells.

Through chemical compounds that **contain no polluting agents**, the **Labiotech osmogenic barrier** stops malodorous molecules by interfering with their trajectory, thus guaranteeing **abatement efficiencies** of odor concentration **higher than 80%**. **Italian and International research institutes** test and guarantee all the products used.

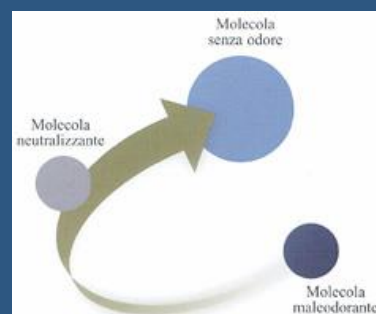
The **osmogenic barrier** is the only

solution for the treatment of **diffused emissions**.

### Main advantages:

- ✓ High deodorizing capacity;
- ✓ No chemical substances introduced in the environment;
- ✓ No use of substances yielding secondary products;
- ✓ Components present do not oxidize and do not affect air;
- ✓ The process is not affected by visible and ultraviolet sun radiation;
- ✓ Presence of terpenic extracts and natural essential oils acting as olfattometric indicators of optimal dilution.

**“One solution to many problems”**





## Technical characteristics

Feeding voltage	400V-50 HZ
Installed power	1,1 kW (according to model)
Frame	Baseplate made of galvanized steel, with rubber feet and stainless steel cover - size: mm 650 x260 x 350
Control board	<ul style="list-style-type: none"> <li>- Thermal cutout</li> <li>- ON-OFF switch</li> <li>- Warning lights showing the system is operating –the system is in alarm condition</li> <li>- Quick connection through mobile electric connector</li> <li>- PLC Easy unit with 8 weekly timing functions and 2 timing modules for stoppage-operation</li> <li>- Outside connector for quick connection of remote control</li> </ul>
Hydraulic motor pump	<ul style="list-style-type: none"> <li>- maximum capacity depending on installed nozzles</li> <li>- maximum pressure of 60 bars</li> <li>- brass head, ceramic pistons</li> <li>- solenoid valve on water inlet,</li> </ul>
Flow rate	2 ÷ 4 l/min.
Work pressure	Suggested 35- max 60 bars
Revolution speed	1450 rpm
Outside dosing unit	<ul style="list-style-type: none"> <li>- filtering unit for tap water with 50 micron filter;</li> <li>- proportional dosing pump without any need for electric power, with single dosing, injection and mixing function</li> </ul>

## HPS midi Fresh

**HPS midi Fresh** is meant to be capable of dealing with various odorigenous problems, as it may support a variable number of nozzles depending on the pump used.

### Advantages:

- ✓ equipment easy to reset with various options;
- ✓ limited cost;
- ✓ simple use;
- ✓ good reliability

### Options

The systems **HPS midi Fresh** can be equipped with various optional units, such as:

- ✓ **pressurization unit;**
- ✓ **softener unit;**
- ✓ **heating cable;**
- ✓ **electric timing board;**
- ✓ **automatic dosing unit.**

PUMP FLOWRATE	NUMBER OF NOZZLES (calculated on the suggested pressure)	
	MAX	MIN
2 l/min - 1450 rpm	16	10
4 l/min - 1450 rpm	32	16

\*At the suggested pressure the nozzle consumption is 7,5 liters/h.

