

HPS midi Var



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 Var

HPS midi Var 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.

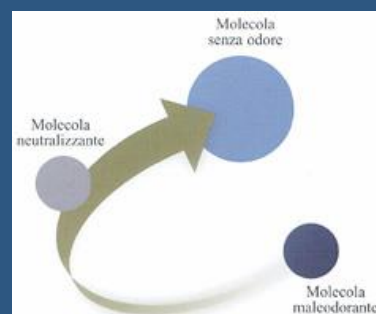
The **osmogenic barrier** is the only

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	1,5 kW
Frame	Baseplate with rubber feet and galvanized steel cover - size: mm 780 x450x500
Control board	- ON-OFF switch - Warning lights showing the system is operating –the system is in alarm condition - Outside connector for external control unit connection - Contact for remote control
Hydraulic motor pump	- maximum capacity depending on installed nozzles - maximum pressure of 60 bars - brass head, ceramic pistons - solenoid valve on water inlet,
Flow rate	4-6-8-11 l/min. (depending on the number of installed nozzles)
Work pressure	Suggested 35- max 60 bars
Revolution speed	Variable max 1450 rpm
Outside dosing unit	- filtering unit for tap water with 50 micron filter; - proportional dosing pump without any need for electric power, with single dosing, injection and mixing function

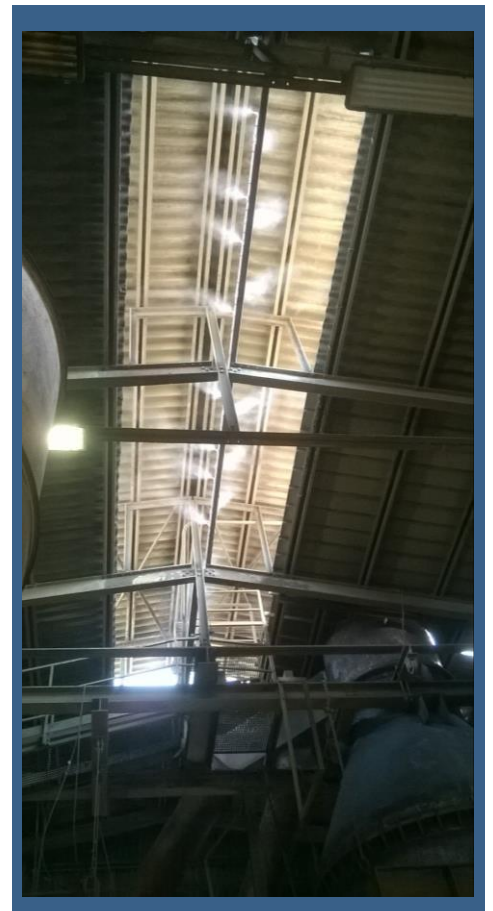
HPS midi Var is designed to **provide a variable flow rate at a constant pressure** in order to serve multiple lines of independent nozzles. **Each line can be controlled by an external control device** through an optional control panel that allows you to start the system and activate the electro valve. Depending on the activated lines, the system produces the necessary water flow while **maintaining constant the pressure in the line**. When all the lines are stopped, the system automatically turns off. It is automatically reactivated with the first request from any line. The self-regulation of the flow rate and the maintenance of the pressure takes place thanks to a pressure transducer that communicates with the inverter of the electric motor.

Optional

HPS midi Var can be equipped with various optional as :

- ✓ **pressurization unit;**
- ✓ **softener unit;**
- ✓ **heating cable;**
- ✓ **electric timing board to manage the electro valves;**
- ✓ **automatic dosing unit.**

PUMP FLOWRATE	NUMBER OF NOZZLES (calculated on the suggested pressure)	
	MAX	MIN
6 l/min - 1450 rpm	48	28
8 l/min - 1450 rpm	64	38
11 l/min - 1450 rpm	88	52
15 l/min - 1450 rpm	120	72



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