

Big Fogger Plus



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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Big Fogger Plus

Big Fogger Plus is a spraying system used:

• to contain odors,

• to abate dusts,

Odors abatement

It is possible to ensure odors abatement using a system based on **Osmogenic barriers**.

Osmogenic barriers work using dilution water and specific products.

These products consist of compounds that are rather hydrophobic, made of quite long hydrocarbons chains, with such properties as to form various types of big molecular aggregates, the so-called micelles.

Osmogenic barriers are an alternative to systems based on chemical-physical methods, which use washing towers (scrubbers), absorbing towers or biological devices operating with biofilters.

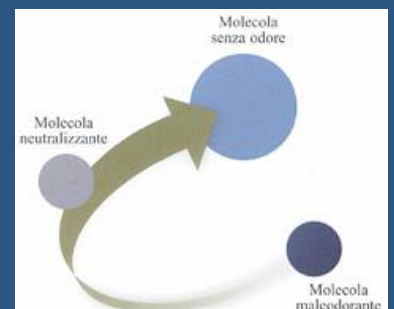


Main advantages:

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



"One solution to many problems"



Osmogenic barrier operation.



Wheeled Big Fogger Plus with tank

Technical characteristics

Weight	250 kg with empty tank
Size	1800 x 1000 x 2250 mm
Supporting frame	Hot painted steel
Motor pump	Max. capacity of 3 l/min Max. /work pressure from 20 to 70 bars
Reservoir	Made of high-density polyethylene - 300 l.
Swiveling range	220°
Length	30 m (in closed environments)
Air flow	16000 m ³ /h
Noisiness	78 DB
Feeding voltage	400 V
Frequency	50 Hz
Absorption	14 A
Power	4.5 Kw
Minimum pressure at water inlet	1.5–2.5 bar
Work pressure	Suggested 35 - 70 bar
N. of nozzles	11
Nozzles Consumption	13 liters/h

Various models for varying requirements

The spraying system Big Fogger Plus comes into two models:

- ✓ wheeled
- ✓ fixed

The **wheeled model** represents an efficient solution, especially in emergency cases, as it can easily move to the area where it is required to operate. In order to work, **it only needs electric power**, because it is already **equipped with a tank**.

The **fixed model** is perfect to deal with **large areas** without getting in the way of normal work activities taking place in the treated area. In fact, **it can be easily set up on the existing structure**, at a varying height, although above 4 m in any case. In order to work, **it needs electric power and a water inlet pipe**.

Optional

The **fix model** can be equipped with several optionals as:

- ✓ **pressurization unit;**
- ✓ **softener unit;**
- ✓ **automatic dosing unit.**
- ✓ **1000 liters tank.**

Both systems can be used also for **dust abatement granting a 50% reduction** of dusts present in work environments.

