

# La.Biofog 400 Evo



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.

Labiotech srl Tel. 0432/634449 – fax 0432/664482 [Labiotech@labiotech.it](mailto:Labiotech@labiotech.it) – [www.labiotech.it](http://www.labiotech.it)

## La.BioFog 400 Evo

**La.BioFog400 Evo** is a spraying system used for:

- odors containment,
- dusts abatement,
- refreshment.

## 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.

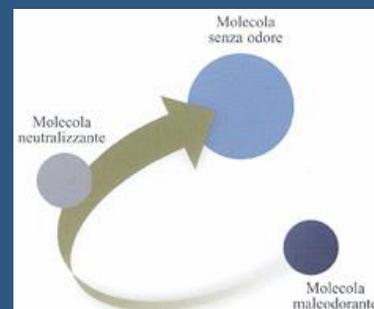


### Main advantages:

- ✓ 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.

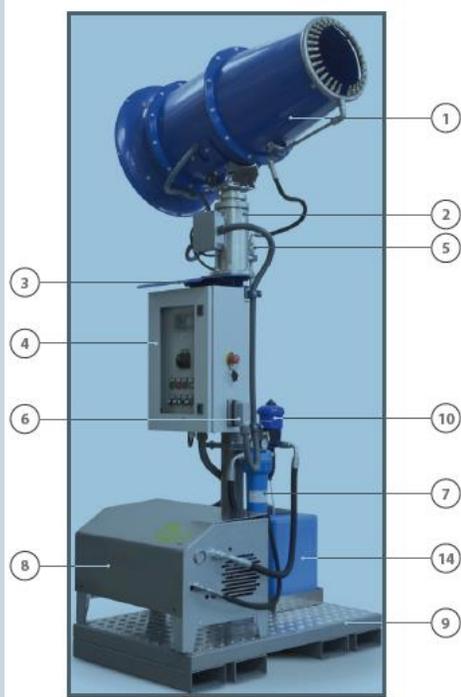


**"One solution to many problems"**



Osmogenic barrier operation.

## Technical characteristics



1	VENTILATORE
2	SISTEMA MOVIMENTO VENTILATORE
3	COPERTURA QUADRO ELETTRICO
4	QUADRO ELETTRICO
5	TUBO ALTA PRESSIONE
6	CONNESSIONE RAPIDA COMANDI
7	FILTRO INGRESSO ACQUA
8	IMPIANTO ALTA PRESSIONE
9	BASAMENTO
10	DOSATRON
11	RADIOCOMANDO
12	FARO
13	LAMPEGGIANTE
14	SERBATOIO PRODOTTO

<b>Weight</b>	255 kg
<b>Size</b>	1200x 800 x 2700
<b>Swiveling range</b>	340°
<b>Sight</b>	+30°/-20°
<b>Range</b>	45 m
<b>Length</b>	9200 m <sup>3</sup> /h
<b>Noisiness</b>	90 DB
<b>Feeding voltage</b>	400 V
<b>Frequency</b>	50 Hz
<b>Absorption</b>	14 A
<b>Power</b>	4,5 Kw
<b>Minimum pressure of inlet water</b>	1,5–2,5 bars
<b>Working pressure</b>	Suggested 35 – max 70 bars
<b>N. of nozzles</b>	30
<b>Nozzle consumption</b>	20 liters/h

## Optional

La.BioFog400 Evo can be equipped with several optionals as:

- ✓ palletized base with wheels;
- ✓ hydraulic column;
- ✓ auxiliary current generator;
- ✓ remote control;
- ✓ tank.

## Dusts abatement

La.BioFog400 Evo can be used also for dust abatement.

Through specific nozzles, the machine sprays **tiny drops of water that collide with dust particles**, to encapsulate them and have them fall to the ground due to gravity.

Also under heavy-duty conditions, it is possible to obtain a **minimum abatement of 50%** of dusts present in the air, as important environment protection agencies can certify.

