

Zephiro UTS 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.

Labio Test srl Tel. 0432/634449 – fax 0432/664482 Labio.test@labiotest.it – www.labiotest.it

Odors abatement

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

Through chemical compounds **containing no polluting agents**, the **Labio Test 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.

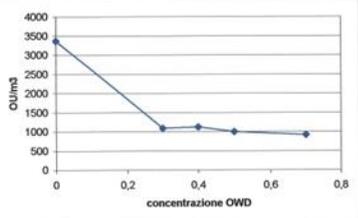
The **innovation** introduced by **Labiotech** in the field of osmogenic barriers consists in the use of ultrasounds.

Thanks to this technology ensuring micro-drops with an extremely high contact surface (dry fog), it is possible to get an exponential increase of our products neutralizing properties.

This technology **minimizes water consumption**; therefore, it is possible to use it in pipes inside industrial premises or indoor environments.

EFFICIENZE DI ABBATTIMENTO

Campione	Punto di prelievo	Data prelievo	Ora prelievo	C _{od} oug/mc
1	Camino di espulsione (bianco)		13.00	3886
2*	Camino di espulsione (prodotto OWD 0,3%)	9-dic-03	13.05	1731
			efficienza media	55,5
1	Camino di espulsione (bianco)		13.00	3886
2**	Camino di espulsione (prodotto OWD 0,3%)	9-dic-03	13.10	1122
			efficienza media	71,1
			13.00	3886
		9-dic-03	13.15	1335
			efficienza media	65,6
			13.00	3886
		9-dic-03	13.20	817
			efficienza media	79,0
			13.00	3886
		9-dic-03	13.25	1224
			efficienza media	68,5



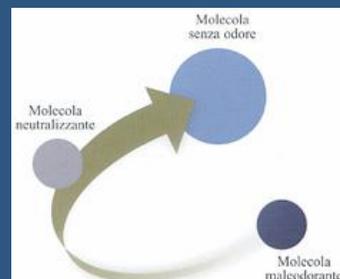
* 1 ugello ultrasuoni Zephiro - consumo 1 litro di miscela acqua-prodotto deodorizzante OWD.

Zephiro UTS Evo

Zephiro UTS Evo is an ultrasound spraying system meant:

- to contain odors, having the possibility of using it in outdoor and indoor environments;
- as applicable to all industrial fields of activities, particularly as regards fast-food and restaurants

“One solution to many problems”





Example of Zephiro Uts Evo application in a restaurant kitchen.

Technical characteristics

Feeding Voltage	220V-50Hz
Installed Power	1kW
Frame	in PP as a standard. Available in stainless steel AISI 304 or 316 upon request
Control Board	<ul style="list-style-type: none"> • 800VA feeder to support the continuous duty of 2 transducers; • Terminal strips for start-up from outside control board; • System ON/OFF switch; • Warning lights for a control on voltage, active units, lack of product; • Automation system for automatic filling; • Stoppage of system in case of missing liquid.
Ultrasound Transduce	<ul style="list-style-type: none"> • Container made of nickeled brass, equipped with ceramic membranes and a sensor showing the product is missing; • Feeding voltage of 230 VAC-50 Hz
Hourly Consumption	2,4 l/hour (for 2 transducer)
Dosing Unit	<ul style="list-style-type: none"> • high density polyethylene storage tank; capacity of 60 liters, complete with product floating probe (only for FullService); • filtering unit for tap water with 50 micron cartridge; • - Proportional mechanical mixer not needing electric power, with single dosing, injection and mixing function.

Many optional for many requirements

The main options it can be equipped with are the following:

- ✓ **Kit air with electrically controlled closing valve;**
- ✓ **tap water softener system;**

Interaction with other abatement systems

The whole range of **Labiotech** equipment is constantly upgraded from a technological point of view.

In this specific case, it was possible to ascertain that completing wet abatement systems traditionally offered with an **osmogenic barrier treatment stage** allowed for an abatement efficiency reaching levels it is hard to obtain with one single system.

