



Flux Chamber

SAMPLING INSTRUMENT FOR AREA SOURCE EMISSION

Consumaj Inc. is proud to offer to its numerous customers the Onose-8® line of products, dedicated to olfactometry and gaseous emissions sampling. This line of products includes the Onose-8® flux chamber, instrument used for sampling gaseous contaminants and odour from diffuse sources.

PRESENTATION

Unlike a point source whose emissions are concentrated at a single point (e.g: stack), an area source is in fact a source whose entire surface emits odors or gaseous compounds in the atmosphere. These sources are often made of solid piles or liquid surfaces. These emissions from such area sources must be collected using a specialized equipment, called a flux chamber.

The Onose-8® flux chamber consists of a semi-sphere directly installed on the area source in order to collect the gaseous emissions escaping from the surface. A constant flow of inert gas is added inside the flux chamber in order to generate odours or gaseous contaminants by the movement of air inside the flux chamber. The use of the flux chamber allows to sample gaseous emissions from an area source without sampling or disturbing the emitting surface. It thus consists of a non-destructive gaseous sampling method.

APPLICATIONS

The Onose-8® flux chamber can be used, without limitation, in the following cases :

- Windrow composting;
- Wastewater treatment plant;
- Retention basins;
- Field spreading simulation of organic residual materials, according existing standards;
- Landfill sites;
- Contaminated soil;
- Etc.

OPERATION

Made entirely of stainless steel, the Onose-8® flux chamber, designed and marketed by Consumaj Inc., meets the design criteria of the US EPA. A floating chamber can also be installed around the flux chamber to facilitate the sampling procedure of gaseous emissions of a liquid surface. Emission sampling lines and inert gas lines of various lengths can also be mounted on the instrument. A temperature sensor port is also available on all models proposed by Consumaj Inc.



Onose-8® is a trademark of:

Consumaj Inc. –Olfactometry Division

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Consumaj Inc. has for mandate to provide to its numerous customers the best specialized products in the field of olfactometry and gaseous contaminant sampling. Visit our website or contact us for more information or for a complete list of products and services provided by Onose-8® and Consumaj Inc.

BENEFITS

The Consumaj Inc. Onose-8® flux chamber offers the following benefits:

- Made entirely of stainless steel;
- Monocoque structure;
- Easy to clean, thus avoiding cross-contamination;
- Equipped with 4 side ventilation vents, in accordance with the requirements of the US EPA ;
- Robust and durable.



TECHNICAL INFORMATION

Instrument	Onose-8® flux chamber
Product Number	CMJ-SS-FC
Manufacturer	Consumaj Inc.
Volume	3 401 in ³ (0.0557 m ³)
Diameter	16 in. (0.406 m)
Height	14 in. (0.36 m)
Weight	7.32 lb (3.32 kg)
Material thickness	0.0516 in. (1.31 mm)
Material	Stainless steel

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