



# Vacuum Chamber

GASEOUS EMISSION SAMPLING INSTRUMENT

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® vacuum chamber, a tool used to sample gaseous emissions or odours without risk of cross-contamination.

## PRESENTATION

The Onose-8® vacuum chamber is an instrument used for the sampling of odours and gaseous emissions. The Onose-8® vacuum chamber consists of a solid cylindrical structure that allows sampling bags to be filled using the negative pressure provided by a vacuum pump. This vacuum chamber can fill sampling bags varying from 2 L to 60 L in volume.

## APPLICATIONS

Made of durable material, the Onose-8® vacuum chamber can withstand significant negative pressures. This tool can also be used in addition with other Onose-8® products, such as the wind tunnel, the flux chamber, or the static predilution sampling probe. This instrument can also be used with all the Onose-8® sampling bags of all different dimensions and volumes offered by Consumaj Inc. in order to collect gas samples.

## OPERATION

The Onose-8® vacuum chamber is composed of two main parts: the lid and the vacuum chamber. An Onose-8® sampling bag is inserted inside the vacuum chamber by connecting it to the lid through a double shut off quick disconnect valve. Once the sampling bag is installed inside the vacuum chamber and connected to the lid, it is only necessary to install the lid on top of the vacuum chamber and to induce a negative pressure inside the chamber with a vacuum pump. The lid, designed to completely seal the vacuum chamber, is transparent. This characteristic allows the operator to observe the sampling bag inside the Onose-8® vacuum chamber during the filling procedure. Once a vacuum is induced inside the vacuum chamber, the gaseous sample is automatically accumulated in the sampling bag.



Do you have questions? Do you need a quote?  
Contact us!



Let our experts help you:

1-450-773-6155

odour@consumaj.com

Onose-8® is a trademark of:  
Consumaj Inc. –Olfactometry Division



2550, Vanier Avenue, Saint-Hyacinthe, Québec, Canada, J2S 6L7 | Phone : 1-450-773-6155 | consumaj.com

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 main advantage of the Onose-8® vacuum chamber, compared to other sampling methods, is that it guarantees the integrity of the sample. In fact, the only materials which come into contact with the gas sample are made of stainless steel, Teflon® and Nalophan®. Thus, there is no need to pump the sample through a vacuum pump in order to fill the sampling bag. This is the pressure gradient between the ambient air and the vacuum chamber that allows the sampling bag to be filled. The risk of cross-contamination between samples is reduced when using the Onose-8® vacuum chamber.

Furthermore, it is also possible with the Onose-8® vacuum chamber to adjust the sampling duration necessary to fill the sampling bag. The sampling duration can be adjusted from 1 minute to 24 hours.

## TECHNICAL INFORMATION

Instrument	Onose-8® Vacuum Chamber
Product Number	CMJ-VC-200-900 CMJ-VC-300-900
Manufacturer	Consumaj Inc.
Diameter	200 mm (8 in.) (CMJ-VC-200-900) 300 mm (12 in.) (CMJ-VC-300-900)
Height	0,90 m (35 in.)
Volume	30 liters (1 ft <sup>3</sup> ) (CMJ-VC-200-900) 60 liters (2 ft <sup>3</sup> ) (CMJ-VC-300-900)
Sampling Capacity	20 liters (0.7 ft <sup>3</sup> ) (CMJ-VC-200-900) 50 liters (1,8 ft <sup>3</sup> ) (CMJ-VC-300-900)
Sampling Duration	1 minute to 24 hours
Wetted Material	Teflon®, Nalophan®, Stainless Steel

In addition to its Onose-8® line of products, Consumaj Inc. also provides professional services in the field of gaseous emissions and odour management.

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