SAMPLING ACCESSORY

SAMPLING FLOW CHAMBER

Olfactometry

Dedicated to olfactometry and gaseous emissions sampling, this flow chamber is an indispensable tool for capturing diffuse sources of gaseous compounds and odours. Unlike point sources concentrated at a single spot, area emission sources release odours or gaseous compounds from surfaces. These sources, often composed of solid or liquid clusters, require specialized equipment—a flow chamber—for effective sampling.

Flow Chamber Design:

> The flow chamber, affixed directly to the emitting surface, captures escaping gaseous emissions
> Inert gas is introduced within the chamber to promote air movement, facilitating odor generation.
> Sampling is achieved without modifying the emitting surface, making the process efficient.

Operational Features:

> Equipped with two valves seamlessly connected to the WT1 system.
> Floating buoys aid in sampling gaseous emissions from liquid surfaces.
> Crafted from high-quality stainless steel, treated with silico steel to minimize absorption.
> Fully compliant with strict criteria established by the US Environmental Protection Agency (EPA).

Versatility in Applications:

The flow chamber finds application in various scenarios, including composting windrows, wastewater treatment sites, retention basins, waste spreading simulations, sanitary landfill sites, and areas with contaminated soils, among other potential use cases.

Technical information

Instrument	Flow chamber
Material	Stainless steel
Diameter	16 inches (0.406 m)
Weight	7.32 lb (3.32 kg)
Material thickness	0.0516 in (1.31 mm)
Height	14 inches (0.360 m)
Volume	3.401 in^3 (0.0557 m^3)