AIR ENVIRONMENT CONSULTING

SCENTROID SF450
FLUX CHAMBER

The Scentroid flux chamber (AKA Emission Isolation Flux Hood) is used to determine levels of emissions from solid or liquid surfaces. The SF450 has a 100% solid stainless steel construction to ensure zero cross contamination. Flotation is achieved using 4 stainless steel floats eliminating the need for rubber tubes or foam making the unit easy to clean and maintain.

The flux chamber is set up to enclose a surface area of 240 Sq Inches or 0.155 sq meters in accordance to the EPA Recommendations. Odourless air (sweep air) is introduced to the chamber at a known flow rate (Recommended 3.875 LPM) to mix with the emissions. Sample is then drawn from the flux chamber at lower rate using a sampling device such the SB10 Vacuum Sample box.

FEATURES

-Designed for both solid and liquid surface sample collection. 100% stainless steel construction.
-Stainless steel floats (no foam or rubber tubes needed for liquid surface sampling).
-Stainless steel fitting for sweep air (clean air), sample air, Relief flow, and temperature probe .
-Extra fitting for thermocouple probe (sold separably).
-Stainless steel chain and hoist ring.
-450 mm (17") diameter with enclosed surface area of 0.155 sq meters (240 sq inches).
-Recommended sweep air of 3.875 LPM.
-Standard fittings designed for 1/4" or 12 mm OD PTFE tubing for sweep and sample air (custom size fitting available).

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