

SP20



# SCENTROID SP20 HEATED AIR PURIFICATION SYSTEM

The Scentroid SP20 Heated Air Purification System is a revolutionary device designed to provide an effective and reliable cleaning solution for olfactometers, sample bags, PTFE lines, and other equipment which may be contaminated with odours.

## ► APPLICATIONS

The SP20 provides hot air at up to 200 degrees Celsius (400 degrees Fahrenheit) to effectively clean stainless steel lines of any of our olfactometers. It can be connected directly to the sample line or to the compressed air line. The hot air from the unit can also be used to regenerate carbon filters and silica gels in the odour/humidity filter built into the SM100, SC300, or the SS600. The SP20 provides a unique function of cycling between injecting hot air and vacuuming to speed up purging of Tedlar, PTFE, and other reusable bags.

## ► CYCLIC PURGING

Significantly reduces the required purging time as the vacuum of the sample bags forcibly pulls odour causing molecules from the surface of the bag. Typical sample bag purging time of 1 hour using conventional hot air can be reduced to approximately 7 minutes using cyclic purging.

## ► PRINCIPLE OF OPERATION

### MODE 1: CONTINUOUS HOT AIR PURGING

This mode is used to clean sample lines, PTFE tubes and to regenerate Carbon and Silica gels filters.

1. Air temperature is set on the unit by the operator.
2. The unit provides continuous hot air at the specified temperature as monitored by a built in thermocouple.

### ► MODE 2:

This mode is used to quickly clean reusable sample bags  
Operator sets temperature and pressure as well as the cycle time in Seconds (1-30 Sec).

The unit injects hot air for the duration of the cycle filling the sample bag.  
At the end of the injection cycle the unit switches to vacuum and completely draws the air from the same sample bag.  
The cycle is continuously repeated creating a lung effect.



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