



# SP20 Heated Air Purger

Portable Air Sampling Chamber

The Scentroid SP20 Heated Air Purger is a revolutionary device designed to provide an effective and reliable cleaning solution for olfactometers, sample bags, PTFE lines, and other equipment that may be contaminated with odours. The SP20 provides hot air at up to 120 degrees Celsius (248 degrees Fahrenheit) to effectively clean stainless steel lines or any of our olfactometers. It can be connected directly to the sample line or to the compressed airline.

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 the purging of Tedlar and other reusable bags.

## Benefits of Cyclic Purging

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. A typical sample bag purging time of 1 hour using conventional hot air can be reduced to approximately 7 minutes using cyclic purging.



### MODE 1

#### Continuous Hot Air Purging

Used to clean sample lines, PTFE tubes, and to regenerate carbon and silica gel filters

- Air temperature is set on the heated air purger by the operator
- The unit provides continuous hot air at the specified temperature as monitored by a built-in thermocouple

### MODE 2

#### Cyclic Purging (Sample Bag Purging)

Used to quickly clean reusable sample bags

- The operator sets temperature and pressure as well as the cycle time in seconds (1 – 30)
- 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-like effect



#### Rapid Decontamination

The SP20 heated air purger uses both hot air and high vacuum pressure to quickly and effectively decontaminate all sampling equipment



#### Adjustable Purge Temperature

The SP20 provides heated air at exactly the temperature required. For instance, PTFE sample bags must be purged at 80 °C while stainless steel bags must be purged at 120°C



#### Fully Automated Operation

SP20 provides complete, automated operation by supplying heated air and then switching to vacuum mode on a predefined cycle frequency

<b>Temperature</b>	Adjustable purge temperature to 120 °C (248 °F)
<b>Vacuum Power</b>	High Vacuum, up to 0.95 atmospheric pressure
<b>Cycling Time Setting</b>	1L to 50L sample bags
<b>Temperature Monitoring</b>	Continuous
<b>Ports</b>	Built-in carbon filter on inlet and exhaust ports
<b>Noise</b>	Quiet operation