

## Active External Sample Cooler for Portable Emissions Analyzers

**NEW**

### Part # AACEo1

**ACTIVE Sample Conditioning System with Thermoelectric Cooler  
for Low NO<sub>x</sub> & Low SO<sub>2</sub> Measurements**

#### Features:

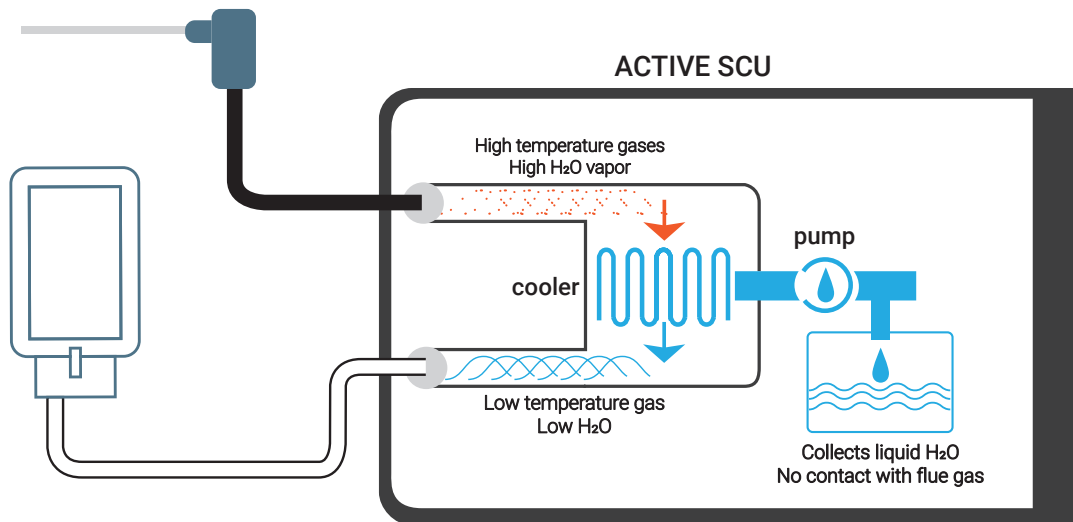
- INTEGRATED THERMOELECTRIC PELTIER COOLER
- RAPID COOLING AND DRYING OF FLUE GAS SAMPLES
- COMPATIBLE WITH ALL PORTABLE SEITRON GAS ANALYZERS
- AUTOMATIC CONDENSATE DRAIN PUMP
- PROTECTIVE HARD PLASTIC CARRYING CASE
- CONNECT TO AC POWER OR OPTIONAL PORTABLE DC CHARGER

#### Applications:

- IDEAL FOR EMISSIONS COMPLIANCE TESTING
- LOW NO<sub>x</sub> BOILERS, BURNERS, ENGINES, FURNACES, ETC.
- HIGH ACCURACY MEASUREMENTS OF NO, NO<sub>2</sub>, SO<sub>2</sub>, H<sub>2</sub>S, & NH<sub>3</sub>
- LONG-TERM ANALYSIS (30+ MIN CONTINUOUS)
- IDEAL FOR FLUE GAS WITH HIGH MOISTURE CONTENT



Seitron's unique external sample cooler system, supplied with Hard ABS Plastic Case, is an accessory that can be included with ANY of our portable Combustion & Emissions analyzers. Its thermoelectric Peltier cooler allows for high accuracy measurements of water-soluble flue gases (e.g. NO<sub>2</sub>, SO<sub>2</sub>, etc.) by rapidly cooling and drying the gas sample, and preventing significant losses of these gases due to the presence of condensation in the sample line.



Conventional Continuous Emissions Monitoring Systems (CEMS) such as our model S9000-RACK, have sophisticated sample conditioning methods (e.g. built-in chillers, heated sample lines, etc.) resulting in more accurate and advanced emissions testing. These systems, however, can be more costly and sometimes impractical for situations when a portable hand-held analyzer can be more effective and economical.

When using a hand-held analyzer for monitoring LOW NO, NO<sub>2</sub> and/or SO<sub>2</sub> concentrations below 50 ppm, an effective sample conditioning system is imperative for achieving the accurate results. Without a proper sample conditioning system, the measured readings could be up to 20% lower than the true values in the process.

Seitron's Active Sample Cooler effectively combines the accuracy of a CEM with the convenience and affordability of a portable analyzer.



Novo



S4500  
S6000



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