## Environmental Supply Company

HGK-PFI Platform Integrated Appendix K Mercury Emission CEM



## Proven Reliability in Sorbent Trap Monitoring of Flue Gas Mercury

The Environmental Supply Company HGK-PFI Platform Integrated CEM monitors mercury emissions from coal-fired sources as specified in Appendix K of Part 75. This automated system is designed to operate in close proximity to the sample port. The HGK-R90D controller, laptop PC, and dual condenser are housed in an all-weather, climate controlled NEMA 4X enclosure with full height opposing doors and internal 19" rack. The HGK-R90D controller may be connected to a plant network to allow remote program control and data access. MODBUS® protocol is utilized for real-time data transfer and alarming to the plant CEM DAHS.

## **HGK-PFI** Features & Specifications

- > MODBUS<sup>®</sup> protocol for real-time data transfer and alarming to the plant CEM DAHS
- NEMA 4X climate controlled enclosure with 19" internal rack and front and rear doors (25"W x 25"L x 60"H)
- > 2400 BTU air conditioner and 400W internal heater
- > HGK-R90D Appendix K controller
- > Uninteruptible Power Supply (UPS) provides safe data handling and alarming in case of power failure
- > HGK-RTC temperature controller for sorbent, probe, probe box and short heated line
- Laptop PC for control of HGK-R90D
- > Dual condenser for moisture removal
- Desiccant and acid scrubbers to insure dry sample before HGK-R90D
- Internal network switch and fiber converter allow for network connection to CEM DAHS

## **Other Component Features**

- Dual probes of Hastelloy or Stainless Steel with heated housings suitable for traps from any manufacturer
- Dual zone probe heaters encased in aluminum heat sink for precise, stable and uniform sorbent and probe temperature control
- > Dual heated Teflon sample transfer lines
- Probes, heated lines and condensing systems are compatible with all of our Appendix K and Method 30B Sampling Systems.

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