

- Ascertain pipe-to-pipe fuel balance
- Quantify individual pipe and pulverizer air-to-fuel ratios
- Quantify individual fuel line velocity and airflow
- Ascertain pipe-to-pipe airflow balance
- Quantify fuel line temperature and static pressure
- Obtain representative pipe-to-pipe fuel samples for coal fineness analysis

Isokinetic Coal Sampling Kit

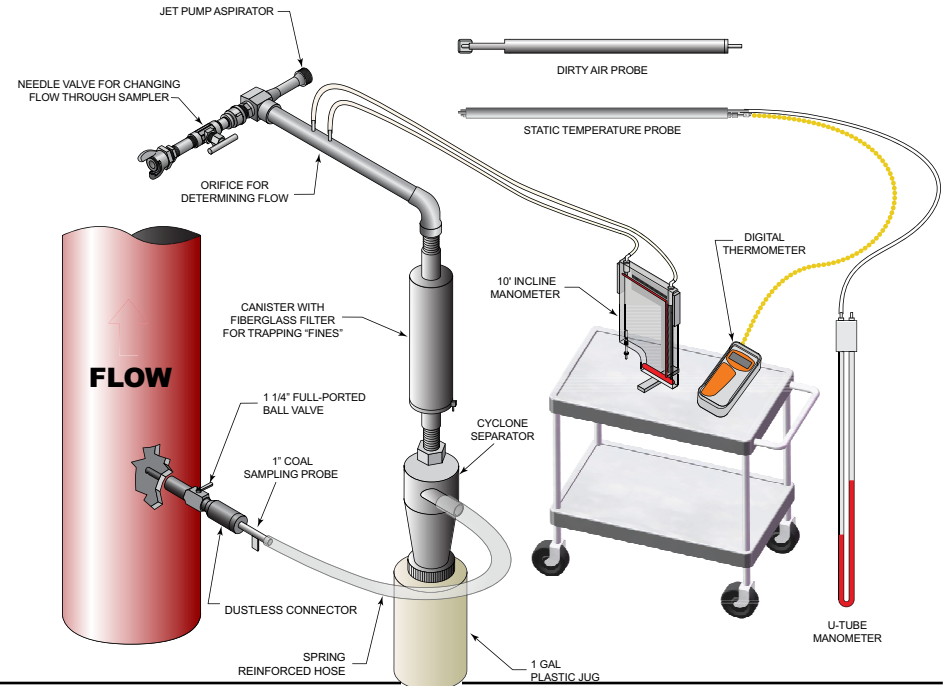
from Innovative Combustion Technologies, Inc.

ICT's Isokinetic Coal Sampler obtains an accurate and precise sample for determination of fineness. It also determines burner line airflow, fuel flow, distribution of air and fuel between burners, and burner line static pressure and temperature. Data is used for diagnosing combustion problems that lead to high opacity, slagging or high NO_x and pulverizer problems such as high motor current, raw coal spillage, capacity deficiencies, pulverizer fires/explosions, and imbalances in furnace oxygen or steam temperatures.

The Isokinetic Coal Sampling Kit includes:

Part # ICT-ICK-00

- (1) Coal Line Static/Temperature Probe w/Thermocouple
- (1) Calibrated Dirty Air Probe (35" or 41")
- (1) Coal Sampling Probe (35" or 41")
- (1) 10' Section of Spring Reinforced Clear Hose w/Clamps
- (1) Box of 3/16" I.D. Heavy Wall Tubing (approx. 100')
- (1) 10" Vertically Inclined Manometer w/18" Pitot Tube
- (12) Synthetic Dustless Connectors**
- (1) Set of (4) Extra Seals for Dustless Connectors
- (1) One Gallon Plastic Jar for Coal Sample Collection



- (1) Needle Valve and Aspirator Assembly
- (1) Cyclone Separator, Orifice Assembly, and Filter Canister
- (1) 24" U-Tube Manometer
- (1) Box of Standard Filter Paper (approx. 50 sheets)
- (1) 2' Retractable Thermocouple Lead (K), expandable to 10'
- (1) Digital Thermometer
- (1) Set of One Gallon Sample Bags for Coal Samples
- (1) Isokinetic Coal Sampling Procedure

Note: The sampler and all probes are constructed of 304 stainless steel with TIG welded connections for durability.

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