



Keika Ventures

STACK SAMPLING EQUIPMENT SPECIFICATIONS

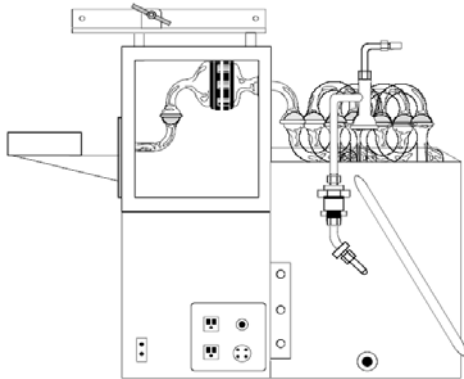
ISOKINETIC STACK SAMPLING SYSTEM:

Isokinetic Source Sampling Console with Open Frame Pump

- Calibrated Direct Reading Metric Unit Dry Gas Meter, 0.5 Liter (0.0005 M₃) Resolution;
- $Y = 1.0 \pm 0.05$ (Variation less than 2%); $\Delta H@ = 46.736 \pm 3.81$ (Variation less than 5.08)
- Dual Inclined Manometer, 254mm Vertical Scale, 25.4mm Incline, 0.1mm Incline
- Resolution, Positive Brass Shutoff Valves for Transport
- Individual Solid State Temperature Controllers for Probe and Filter Oven Circuits
- LED Centigrade/Fahrenheit Temperature Readout with 7-Station Selector Switch
- Auxiliary Thermocouple Jack for Handheld Temperature Readout
- Power, Pump, Timer, Null Solenoids and Orsat Pump Switch Controls
- Individually Fused Circuitry Located on Easily Accessible Panel
- Resettable Elapsed Digital Timer Readable to 0.01 min.
- Coarse and Fine Flow Control Valves
- ½" Sample Line, 3/8" Pitot Line and ¼" Orsat Line Quick Connect Fittings
- 0-30"Hg Vacuum Gauge
- Modular Electrical and Plumbing Panels and Removable Front and Rear Access Doors
- Lightweight 0.090" Aluminum Housing, Stainless Steel Latches, Handle and Hardware
- 110V/60Hz or 220VAC/50/60Hz Power Supply, 4-pin Amphenol Military Style Power Supply Connector
- Leak Free External Fiber Vane Vacuum Pump in Open Frame Housing,
- 88LPM @ 1"Hg, 57 LPM @ 15"Hg, 26"Hg Maximum Vacuum

Modular Sample Case with Heated Filter Box and Insulated Impinger Box

- Aluminum Housing with Stainless Steel Latches and Hardware Holds 3" or 4" Nominal
- Filter Assemblies
- Removable Stainless Steel Probe Support Clamp
- Type K Thermocouple Jack
- Modular Electrical & Heater Panel, 700 Watt Heater, 110V/60Hz or 220V/50Hz
- Removable Aluminum Faced ½" Fiberglass Insulation Panels
- Stainless Steel Slide and Locking Hardware for 3 Sizes of Cold Box (4-6, 6-8, or 8-12 Impinger Sizes)

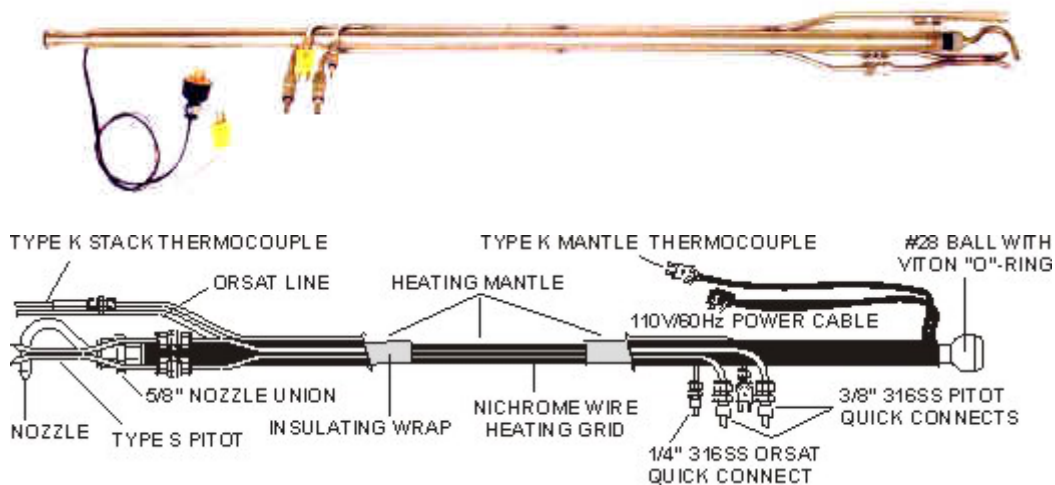


Umbilical Cable

- Flexible Construction with Abrasion Resistant Low Friction Overbraid
- One High Vacuum Sample Line (300 psi) with ½" Quick Connect Couplings, Three Kink
- Resistant Vinyl Pressure Lines with Quick Connect Couplings, Five Thermocouple
- Lines, One Five-Conductor Power Cable with 4-Pin Military Style Amphenol
- Connectors, Full Length Nylon Strain Relief Cable

Isokinetic Sampling Probe

- Corrosion Resistant Stainless Steel, Welded Construction
- Available in High Temperature Inconel Alloy 600
- Orsat Line with 1/4" QC, Pitot Lines with 3/8" QCs and Removable Pitot Tip, Stack and Probe Type K Thermocouples, Removable 110VAC or 220VAC Heating Mantle, Removable Liners Available in Pyrex, Stainless Steel, Quartz and Inconel Alloy 600



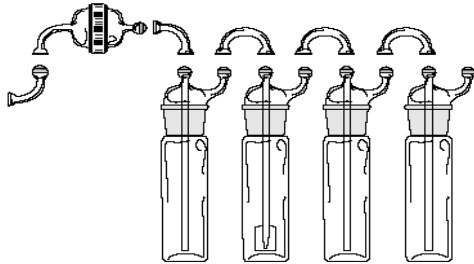
Isokinetic Sampling Nozzle Sets

- 7 Sizes from 1/8" (3.175mm) to 1/2" (12.7mm) in Foam-Lined Case
- Available in Pyrex, Stainless Steel, Quartz and Inconel Alloy 600



Glassware

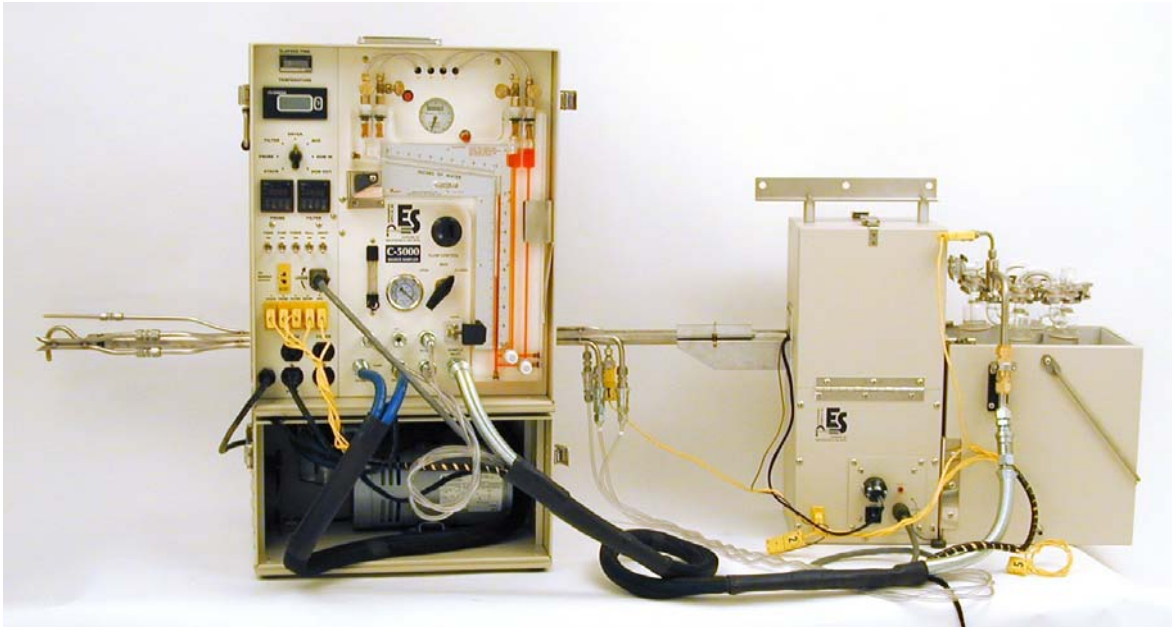
- Available **Heavy Wall Borosilicate Glass with Precision Ground #28 Ball with O-Ring and Socket Connections**, Leak-Free Performance With or Without O-Rings
- Standard 82.6mm Filter Assemblies with PTFE Filter Support Frit and Rapid Assembly/Release Clamp Ring Assembly, Eliminates Need for Filter Tripod





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Method 5 Basic STACK SAMPLING System



M5-S1-MV

C-5100-X
M5-SC6
PRA-S5
PRL-P5
UC-25
M5-UA
PRNS-S
GSBO-3
GF3-107
M5-CK7
M5-SRN
M5-SRS-5

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|---|---|
| 1 | Metric Console with Open Frame Pump |
| 1 | Modular Sample Case |
| 1 | Heated SS Lined Probe Assembly, 5' Effective |
| 2 | Pyrex Probe Liner, 5' Effective, #28 Ball with O-ring |
| 1 | Umbilical Cable, 25' |
| 1 | Umbilical Adapter |
| 1 | SS Nozzle Set of 7 Sizes, 1/8" - 1/2" |
| 1 | Single Glassware Set, Precision Ground Ball Joint, O-ring |
| 1 | Glass Fiber Filters, Box of 100 |
| 4 | Probe Brush Extension Rod, 18" |
| 1 | Slide Rule Nomograph |
| 2 | Suspension Rail System |

Basic Method 5 Sampling System, Metric, 220V, consists of:

Calibration

CO-QC8-B-Set 1 Critical Orifice Set of 5 Calibrated Orifices with 1/2" QC Stem, Brass, cal report, spreadsheet diskette, foam-lined case

Sample Recovery

M5-CK Method 5 Cleanup Kit, includes:
M5-CK1 2 Cleankit Glass Funnel
M5-CK2 1 Cleankit Plastic Funnel
M5-CK3 1 Cleankit Impinger Brush
M5-CK4 2 Cleankit 1000ml Polypropylene Bottle
M5-CK7 1 Cleankit 12" Probe Brush
M5-CK5 5 Cleankit 18" Probe Brush
M5-CK-NBSET 1 Cleankit Nozzle Brush Set, 1/2", 3/16", 5/16"
M5-CK8 1 Cleankit Spatula
M5-CK9 1 Cleankit Tweezers
M5-CK12 1 Cleankit Carrying Case, Foam-Lined