

PORTABLE SAMPLER



MODEL W3150



WATERS PORTABLE SAMPLERS are mobile single-line sample conditioners, which can be used to survey any point within the steam and water cycle of the power plant or boiler room. The Portable Sampler is a valuable extension to the plant's centralized sample panel that can be easily moved and set up at suspected problem locations or points which are not already measured by the sample panel. It functions as a local grab sample station, or as a pre-conditioner for virtually any analytical device. The Portable Sampler is a great tool for use in verification or troubleshooting.

FEATURES

- ❑ **TRANSPORTABLE:** Rugged hand truck with large, semi-pneumatic wheels provides easier roll and less shock during transportation.
- ❑ **VERSATILE:** Can be used as grab sample station or with on-line instrumentation for sources ranging from Super Heated Steam to Heater Drains and Hotwell service (5000 psi @ 1000°F to low temperature vacuum service).
- ❑ **FULL FEATURED:** Includes sample isolation and blowdown valves; fused pump switch and receptacle for instrument power; high capacity sample cooler; gear pump with external relief valve; gauges and flowmeters for sample/analyzer flow rates, sample pressure and temperature, coolant flow verification.
- ❑ **HIGH PURITY:** All sample wetted parts are 316 stainless steel or glass.
- ❑ **EASILY INSTALLED:** Requires only 4-5 connections (sample, coolant in/out, drain and analysis), all easily accessible. Includes 12', 16/3 power cordset for pump and instrument applications.

SPECIFICATIONS

SAMPLE			COOLING WATER		
PRESSURE	TEMPERATURE	FLOW	PRESSURE	TEMPERATURE	FLOW
2 PSIA – 5000 PSIG	UP TO 1000°F	UP TO 1500 CC/MIN	35 TO 125 PSIG	UP TO 210°F	7 TO 12 GPM

HOW TO ORDER

Specify Model W3150 Portable Sampler

SPECIFICATIONS

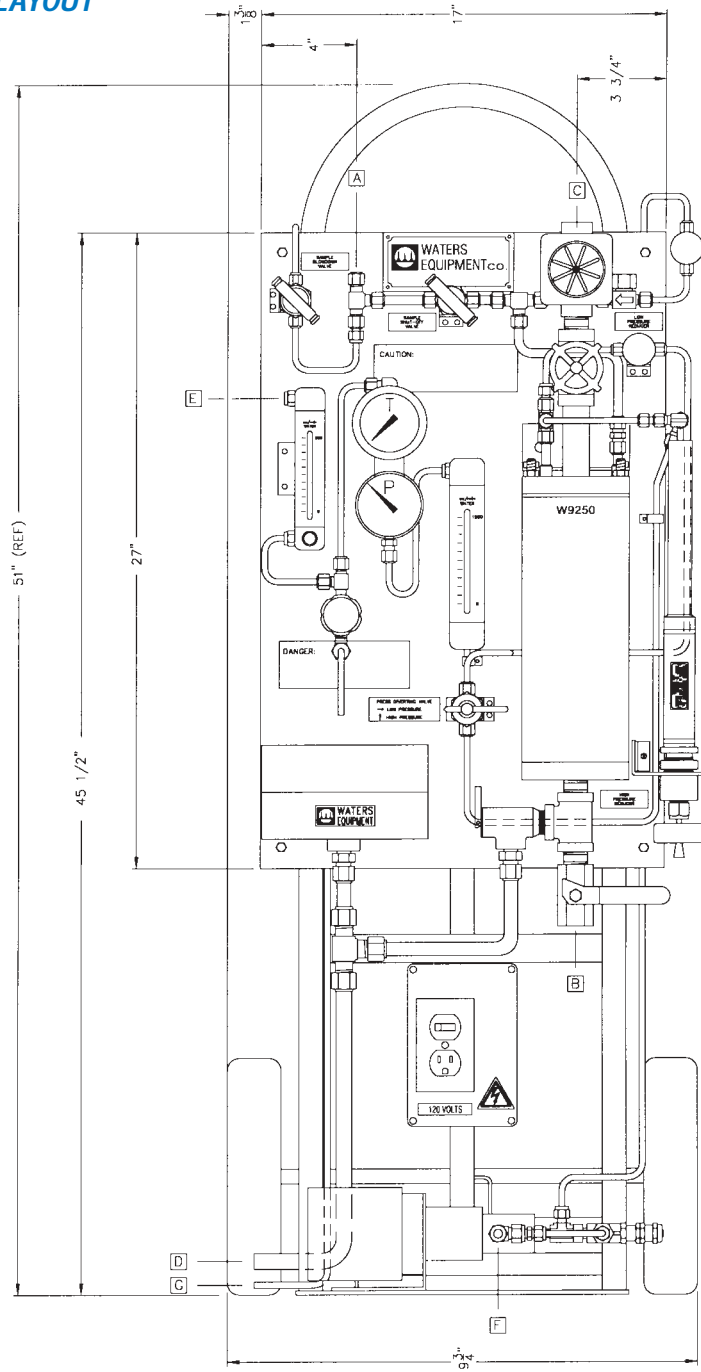
Overall Dims:	52" high 20" wide 20" depth
Weight:	95 lbs.
Wheels:	10" x 2.75" semi-pneumatic
Backplate:	304 SS
Tubing:	316 SS
Sink:	304 SS
Power:	120/1/60 Hz.
Enclosure:	NEMA 4X
Cordset:	12'-16/3
Fuse Size:	5 amp. with delay
Cooler Cap:	3.5 sq. ft.
Shell Type:	removable, single flange
Shell Material:	304 SS
Tube Material:	316 SS
Flowmeters:	0-1500 ccm (total flow) 0-500 ccm (analysis)
Gauges:	pressure 0-60 psi/kPA temperature 0-200° F/° C sight flow verification
Press. Reducers:	high pressure, 316 SS low pressure, 316 SS (both adjustable type)
Connections:	
A) Sample Inlet ¹ :	3/8" tube compression
B) Coolant Inlet:	3/4" FNPT
C) Coolant Outlet:	3/4" FNPT
D) Drain:	1/2" tubing
E) Remote ² :	1/4" tube compression
F) Sample Inlet ³ :	3/8" tube compression
G) Blowdown:	1/4" tube end

¹For samples from 30-5000 psig.

²Outlet to instrument.

³For samples from 2 psia to 30 psig.

LAYOUT



The Waters Equipment expertise goes beyond Portable Samplers. We also design and manufacture:
Total Plant Water and Steam Analysis Systems • Sample Coolers • Pressure Reducers
Refillable Resin Cartridges • Vacuum Samplers • Hi-Temp Shut-Off Modules • Sample Conditioning Modules



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