Model 110
Canister Conditioning Bench

The Webber EMI Canister Conditioning Bench is used to pre-condition charcoal canisters in accordance with all applicable EPA and CARB protocols.

The Canister Conditioning Bench uses a Windows-based Data Acquisition & Control system, combined with an intuitive graphical user interface and touch screen monitor, to allow the user to quickly set up canister conditioning procedures. The Webber EMI proprietary software package allows for auto-sequencing of purge / fill cycles, comprehensive data reporting, and includes built-in leak-check and calibration utilities.

The Canister Conditioning Bench is available in either a Single-Station or optional Dual-Station configuration:

- *A Single-Station Bench allows the user to condition a single charcoal canister or two charcoal canisters sequentially.*
- *A Dual-Station Bench allows the user to condition two charcoal canisters simultaneously or up to four charcoal canisters sequentially.*

Dual-Station Canister Conditioning Bench

1307 S Wanamaker Ave, Ontario, CA 91761
909.605.6800 Fax: 909.605.6811
www.WebberEMI.com

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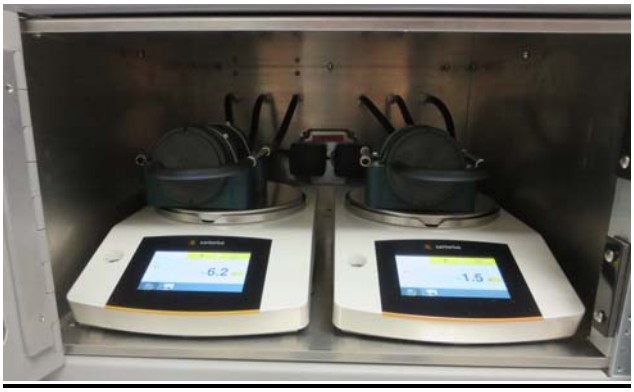
GENERAL SPECIFICATIONS

- *Construction:* *Modular 19”rackmount enclosure with removable service panels.*
- *Dimensions:* *72” H x 24” W x 36” D (1.8 m H x 0.6 m W x 0.9 m D)*
- *Power Requirements:* *(2 x) 120 / 220 VAC 50/60Hz, 20 Amp single phase.*
- *Dedicated filter / regulator assemblies for Butane and Nitrogen supply gases.*
- *Dedicated vacuum pump (1 per station) for purge and leak-check operations.*
- *Dedicated Scale (1 per station) for direct weighing of reference canister.*
- *Front panel quick-disconnect fittings for connection to test canisters.*
- *Cabinet purge vent blower with low-flow detector and alarm.*
- *All ‘wetted’ component stainless steel, Teflon®, or PVC.*
- *Purge Air Absolute Humidity and Temperature sensor.*
- *Standard System Flow Rates:*
  - *Purge Air: 0 - 50 slpm (0 – 1.8 cfm)*
  - *Butane: 0 - 40 grams/hour*
  - *Nitrogen: 0 - 1 slpm*
- *Mass Flow Controller Accuracy: +/- 1.5% of full scale.*



OPTIONAL EQUIPMENT

- *External Scales for direct weighing of up to four (4) test canisters.*
- *Onboard UPS (Uninterrupted Power Supply).*
- *L.E.L. (Lower Explosive Limit) gas detector and alarm system.*
- *Humidity control system for purge air supply.*

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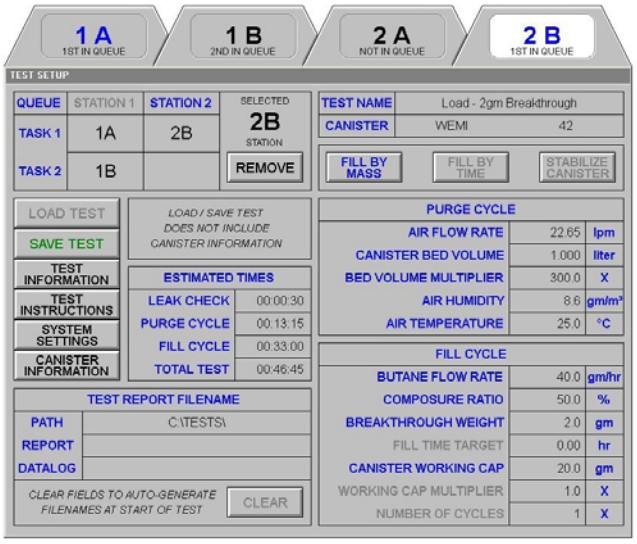
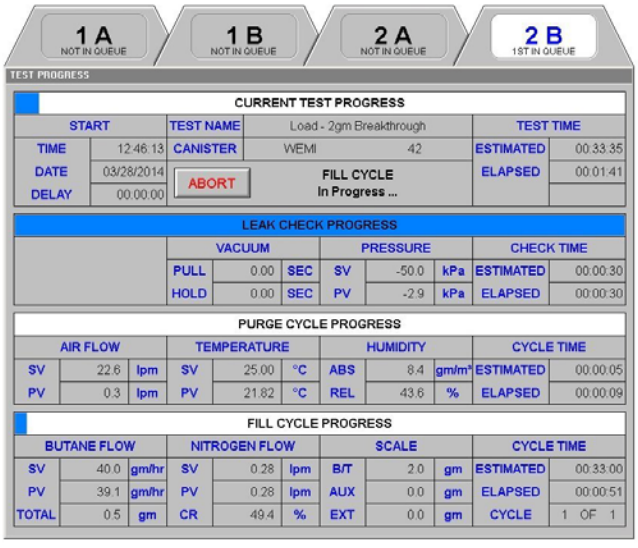
Leading the Industry Since 1975

CONTROL SYSTEM FEATURES

- *Real time monitoring of Test Progress.*
- *Interactive Test Setup and configuration.*
- *Minimal operator setup and system maintenance requirements.*
- *Humidity, Temperature, Flowrate, and Mass charting.*





- *Independent, sequential, and multiple canister conditioning operations.*
- *User selectable Butane-to-Nitrogen mixture by volume (composure ratio).*
- *User selectable flow rates: 0 – 100% of flow range.*
- *Comprehensive test data and alarm logging.*
- *Determination of canister working capacity via 'breakthrough' methodology.*

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