Model 210-55
GWC /BWC Canister Conditioning & Aging Bench

The Webber EMI Model 210 Canister Conditioning Bench is used for conditioning and aging canisters for using gasoline vapor or butane. The bench comes standard with the set-up required for the DBL prep feature.

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 Model 210 Canister Conditioning Bench is designed to allow the end user to customize their tests and monitor all facets of the canister's performance. This is accomplished by state of the art control and measurement of the purge flow rates with pressure and vacuum capability. A thermo-couple bank for monitoring temperatures across the canister, transducers for tracing your canister's pressure differential, and a scale for constantly monitoring the rate and amount of adsorption.

Model 210 GWC Canister Bench
Shown with optional IR for Breakthrough detection

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

Model 210-55
GWC /BWC Canister Conditioning & Aging Bench

GENERAL SPECIFICATIONS

- *Construction:* *Modular rackmount enclosure with removable service panels.*
- *Dimensions:* *72" H x 55" W x 36" D (1.8 m H x 1.4 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

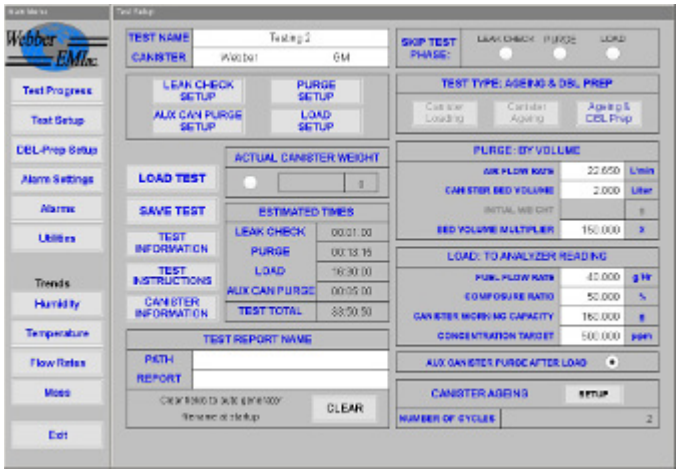
- *IR analyzer for Breakthrough Detection*
- *ORVR simulation with 2800 or 3600 gram/hour load rates (Butane only)*
- *Humidity control system for purge air supply.*

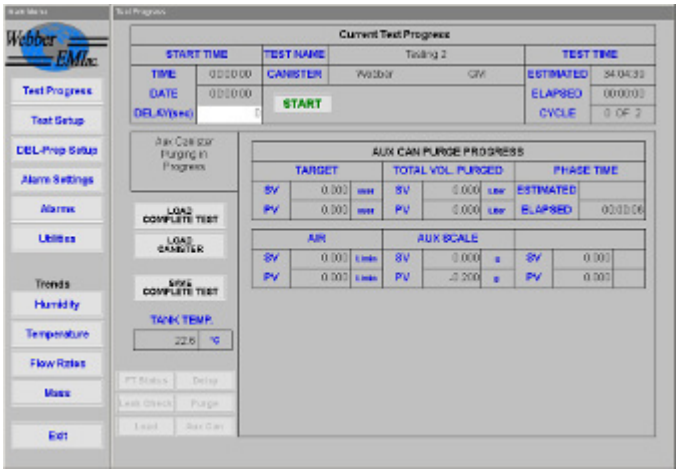
1307 S Wanamaker Ave, Ontario, CA 91761
909.605.6800 Fax: 909.605.6811
www.WebberEMI.com

Model 210-55
GWC /BWC Canister Conditioning & Aging Bench

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.*

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