



Model B32

SIMPLE, EFFECTIVE CONTROL

The new B32 control system combines field-proven, industrial-grade programmable logic control components with easy, user-friendly operation. Designed from the ground up to provide features not commonly found on control systems in this price range, the B32 answers the needs of processors who desire a centrally located, flexible control package at a reasonable price.

A compact MicroLogix 1500 PLC allows the B32 to readily accept system options and may be easily upgraded in the field. The ample enclosure allows installers plenty of elbow room for connections and changes.

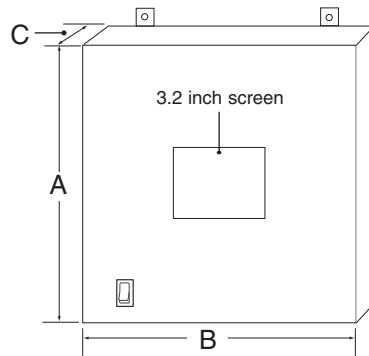
OPERATE UP TO 32 LOADERS AND 8 PUMPS (PLUS BACK-UP)

A 3.2 inch, Allen Bradley PanelView Micro 300 operator interface is supplemented with a graphic overlay that clearly outlines all typical operator functions, with no need to refer to the manual. Set-up and system configuration changes can be made quick and easy. Virgin loading with time-fill operation are provided as standard.

Volume fill operation (fill sensor) may be readily added as an option. Additional outputs may be added for ratio loading, material line purging or air operated discharge valve operation. These options can be selected on a 'mix and match', per-loader basis.

- **Quality, reliable control**
High quality, high reliability, time and field proven Allen-Bradley/Rockwell automation components are used exclusively in the B32.
- **No need for training**
The graphic overlay spells out control functions. Operators are up-to-speed instantly, without training and without hesitation.
- **Fully featured**
The B32 can operate up to 32 loaders with 8 simultaneously operating systems (8 pumps).
- **Start small, and build**
The B32 may be purchased in 8 or 16 loader versions and upgraded to 32 loaders, without removal from service.
- **Back-up pump feature included**
All models include the ability to operate an additional back-up pump for all system pumps. This facilitates pump maintenance and assures no down-time operation.

MODEL B32



B32 Control

MODEL	B32
Performance characteristics	
Maximum number of vacuum receivers	32
Maximum number of vacuum pumps	8 (plus back-up)
Programmable logic controller	Allen Bradley (A/B) Micrologix 1500
Operator interface (standard)	A/B Panelview Micro 300 (3.2 inch)
Operator interface (optional)	A/B Panelview 550 (5.5 inch)
Output voltage to receivers/valves	24 VDC
Input voltage to receivers	24 VDC
Output voltage to pumps	24 VDC
Power/Amps	120 VAC/15 Amps/60 Hz
Dimensions inches {mm}	
Control cabinet	
A - Height	30.0 {762}
B - Width	24.0 {609}
C - Depth	12.5 {317.5}
Weight lb {kg}	
Installed	60 {27}
Shipping	72 {32}

APPLICATION NOTES:

10 conductor, shielded cable (Conair #205-033-10) should be used to connect all receivers to the B32 control. Conair receivers come equipped with quick-disconnect cables that connect the B32 with each loader. User-supplied junction boxes must be provided for each receiver to join the receiver cable and the system wiring.

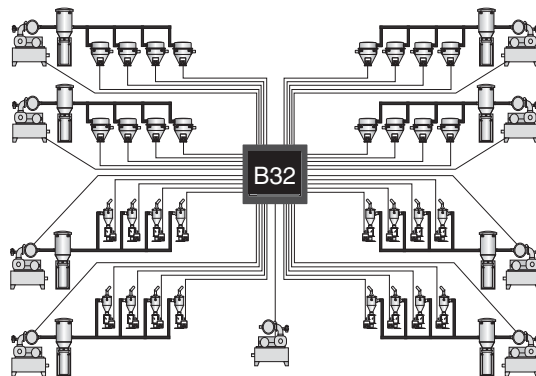
CALCULATING SYSTEM WIRING LENGTH:

Total the distances from each receiver to the B32. Be sure to account for reasonable slack at each receiver for connections, cable routing, etc.

Connecting Vacuum Receivers to the B32

Output voltages to all loaders and pumps are 24 VDC, for wiring that is simple, safe and compliant with accepted industrial electrical codes. Wiring connections at each loader in the system are easily accommodated by Conair's unique Universal Terminal Box (UTB) which utilizes a single, industrial-strength plug for all electrical connections between the control system and each loader. Modular connectors are provided for each input and output device.

Control Features: The 3.2 inch {81.28 mm} screen (left) is supported with a helpful overlay that instructs how to make common control changes.



The B32 can control up to 32 loaders and 8 vacuum pumps. A back-up pump may be easily programmed to take the place of any of the 8 active pumps at the touch of a button.