

LACO CONTROLLER SPECIFICATIONS

| | VC-1000 | VC-2500 | VC-3500 | HC-1000 | HVC-2500 | HVC-3500 |
|---|---|---|---|--|---|---|
| |  |  |  |  |  |  |
| Description | Vacuum Control Package | Vacuum Controller | Vacuum Controller | Heat Controller | Heat & Vacuum Controller | Thermal Vacuum Controller |
| Control System | N/A | Micro Controller with 7-inch Color Touch Screen | Micro Controller with 7-inch Color Touch Screen | N/A | Micro Controller with 7-inch Color Touch Screen | Micro Controller with 7-inch Color Touch Screen |
| Communication Interface | N/A | RS232 | RS232/Ethernet | RS485 | RS232 | RS232/Ethernet |
| Electrical Requirements | 110-250 VAC (5 amps max) | 110-240 VAC (15 amps max) | 120 VAC/15 Amp or 208-240 VAC/15 Amp | 110-240 VAC (15 amps max) | 120 VAC/20 Amp or 208-240 VAC/20 Amp | 120 VAC/20 Amp or 208-240 VAC/20 Amp |
| Dimensions (W x L x H) | 8" x 8" x 7.5" | 8" x 12" x 9" | 12" x 12" x 9" | 6" x 10" x 12" | 12" x 24" x 9" | 12" x 24" x 9" |
| Configuration | Table-top or Cart Mount | Table-top, Cart, or System Frame Mount | Table-top, Cart, or System Frame Mount | Table-top or System Frame Mount | Table-top, Cart, or System Frame Mount | Table-top, Cart, or System Frame Mount |
| Recipe Types | N/A | Vacuum, Time, and Hold | Vacuum, Time, and Hold | N/A | Vacuum, Time, Hold, and Heat | Vacuum, Time, Hold, and Temperature |
| Recipe Configurations | N/A | Up to 5 configurable recipes | Up to 20 configurable recipes | N/A | Up to 5 configurable recipes | Up to 20 configurable recipes |
| Software Customization | N/A | No | Yes | N/A | No | Yes |
| Data Storage | N/A | USB Drive | Micro SD Card, USB Drive | N/A | USB Drive | Micro SD Card, USB Drive |
| Turbo Pump Control | N/A | N/A | Auto | N/A | N/A | Auto |
| Valve Operation Mode | Manual Vent and Evacuation, Auto Evacuation | Manual or Recipe | Manual or Recipe | N/A | Manual or Recipe | Manual or Recipe |
| Vacuum Level | Atm to 10 ⁻³ Torr | Atm to 10 ⁻³ Torr | Atm to 10 ⁻⁷ Torr | N/A | Atm to 10 ⁻³ Torr | Atm to 10 ⁻⁷ Torr |
| Vacuum Pump On/Off Relay Option | N/A | Yes | Yes | N/A | Yes | Yes |
| Vacuum Valve Type | Electric | Electric | Electric or Pneumatic | N/A | Electric | Electric or Pneumatic |
| Temperature Control Type | N/A | N/A | N/A | Heat | Heat | Heat or Cool |
| Temperature Reading Display | N/A | N/A | N/A | Single | Multiple | Multiple |
| Temperature Setpoint PID Control | N/A | N/A | N/A | 1 Zone | 1 or 2 Zones | Multiple Zones |
| Heat Overtemperature Alarm | N/A | N/A | N/A | Yes | Yes | Yes |
| Vacuum Units | Torr | Torr, psia, psig, inHg, mbar, Atm, Pa, feet, meters, hPa, microns | Torr, psia, psig, inHg, mbar, Atm, Pa, feet, meters, hPa, microns | N/A | Torr, psia, psig, inHg, mbar, Atm, Pa, feet, meters, hPa, microns | Torr, psia, psig, inHg, mbar, Atm, Pa, feet, meters, hPa, microns |