

LACO TECHNOLOGIES

VACUUM CONTROLLER

VC-3000

The VC-3000 controller is a powerful and cost-effective tool that automates LACO's vacuum systems and enables users to create unique test recipes to meet their application requirements. Capable of vacuum applications incorporating both single pumps and multiple pump high vacuum systems, the VC-3000 integrates vacuum gauges and valves for either automated mode or interlocked manual mode operation. For applications requiring automated vacuum and temperature control, LACO offers the HC-3000 controller. The standard controller can also be customized to control unique and complex vacuum processes.



VC-3000 - HP Controller

STANDARD FEATURES

- Program evacuation, vent and hold conditions in any sequence
- Log data to SD card (8 GB card included) or RS-232 interface
- Control either electric or pneumatic valves
- Test up to 20 recipe configurations

OPTIONAL FEATURES

- Customize to include unique test or I/O requirements
- Full RS-232 serial interface control
- Ethernet interface

ST#	VACUUM S.P.	TRIGGER	HLD TIME	TEMP
0	EVAC 0.30	VAC	00:00:10	HT 22.0
1	HV 0.00	VAC	00:01:00	NA 0.0
2	HV 0.00	TEMP	01:00:00	HT 75.0
3	HV 0.00	TEMP	01:00:00	HT 60.0
4	HV 0.00	TEMP	01:00:00	HT -35.0

VC-3000 Recipe Screen

SPECIFICATIONS

COMPONENT	DESCRIPTION
CONTROL SYSTEM/INTERFACE	Micro controller with 5.7" color touch screen, Process Start Button, Process Stop/Abort Button
COMMUNICATION INTERFACE	RS232/485 interface (standard), Ethernet (optional), SD card (standard)
ELECTRICAL REQUIREMENTS	90-250 VAC, 50/60 hz., 500 watts IEC C13 Connection
DIMENSIONS	12" Wide x 8" Deep x 7.5" Tall with 30° sloped mounting of display
MOUNTING	Table top or System frame mount
PNEUMATICS	Compressed aire for "P" versions, 20-120 psig, 1-3 scfm

PART NUMBER	VALVE ACTUATION	DEPTH OF VACUUM
VC-3000-IPV	Pneumatic	760-1 Torr
VC-3000-MP	Pneumatic	760-10 ⁻³ Torr
VC-3000-HP	Pneumatic	760-10 ⁻⁷ Torr
VC-3000-IE	Electric	760-1 Torr
VC-3000-ME	Electric	460-10 ⁻³ Torr
VC-3000-HE	Electric	760-10 ⁻⁷ Torr