



MODEL SLOC-MC

Description

The sLOC-MC™ is designed for users looking for actuated inlet throttle valve control and to protect and monitor the full health of their multistage blower installation. This control package is fully configurable to fit your application and has additional available features such as remote monitoring and control capability, ethernet or hardwired connectivity, and a 10" touch screen interface.

Lone Star Blower and Compressor has developed state of the art surge prediction and detection algorithms which are included with every sLOC-MC™ local control panel. Combined with active surge avoidance techniques, these added protections surpass what is offered by other market participants and ensure maximum reliability and system up-time.

Control Options

Control Methods	Primary: Actuated Inlet Throttle Valve Auxiliary: Actuated Blow-Off Valve or Recirculation Valve
Control Modes	Capacity %, Discharge Pressure, Unloaded, Other Processes Available

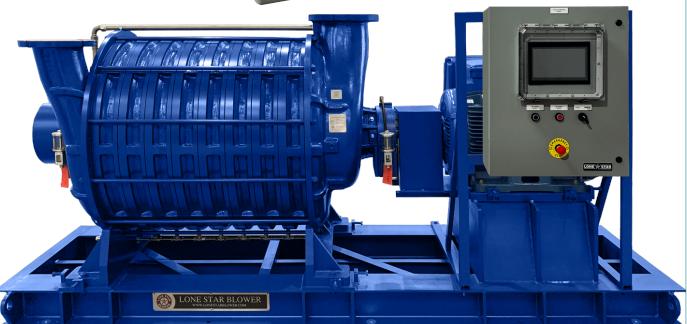


Available Protections & Functionality

- Active Surge Avoidance
- Surge Prediction & Detection
- Complete Blower Monitoring from Any Instrument
- Blow-Off / Recirculation Valve Control

Documentation, Testing & Startup Services

- Operation Manuals
- System Integration Support Documents
- Factory Acceptance Testing (witnessed available)
- Installation Support
- Commissioning & Training



Standard Panel Specifications*

*Customization may affect the standard listed specifications

Approvals	UL/ULC 508A	Other Product Features
Warranty	Lifetime Warranty with Standard Hardware	E-Stop & Status Light
Enclosure Size	30H x 24W x 10D	High-Resolution Analogs
Enclosure Rating	TYPE 4	LED Fuse Blocks
HMI	10" Phoenix Contact WP 6101-WXPS	120V Convenience Outlet
PLC		Electrical Surge Protection
Model	Phoenix Contact PLCnext AXC F 2152	Isolated Instrument Ground
Programming Software	PLCnext Engineer (Free Software)	Available Options
CPU	Arm® Cortex® A9 2x 800 MHz	Alternate PLC Brand (Allen Bradley, Siemens, Schneider, Other)
Internal Memory	512MB	Alternate HMI Brand (Allen Bradley, Siemens, Schneider, Other)
Expansion Memory	SD Card - 2GB	Type 4X or Type 12 Enclosure
Communications	ProfiNet, EtherNet/IP, Modbus TCP, MQTT, OPC UA (more options available)	Freestanding Enclosure
Ethernet Connections	x2 RJ45	Hinged HMI Cover
Operating Temperature	-25°C to 60°C	Interior Light
I/O		Alarm Beacon or Siren
Discrete Inputs	x16	Pilot Devices - Push Buttons, Switches, or Indicator Lights
Discrete Outputs	x16	Ethernet Switch - Managed or Unmanaged
Analog Inputs	x16	Cooling - Fans, Vortex Cooler, or Panel Mount A/C
Analog Outputs	x4	Panel Heater
RTD Inputs	x8	Purge Systems
		Other Approval Ratings

* Information is approximate and can change without notice

* Air Performance Based on 1 Atm, 68F/20C, 36% RH and 3550 rpm