sLOC-MC™
MSCB Blower Monitoring

LONE STAR TURBO

MODEL SLOC-MC

Description

The sLOC-MC™ Monitoring Panel is designed for users looking to protect and monitor the health of their multistage blower installation while operating it manually. It is equipped with instrument connections for monitoring and has additional features such as remote monitoring and control capability, ethernet or hardwired connectivity, and a 7" 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. These added protections surpass what is offered by other market participants and ensure maximum reliability and system up-time.
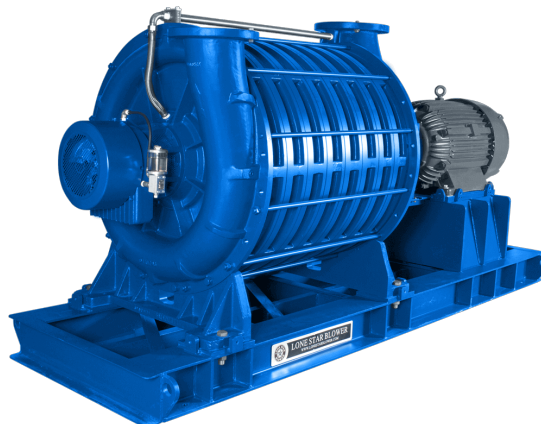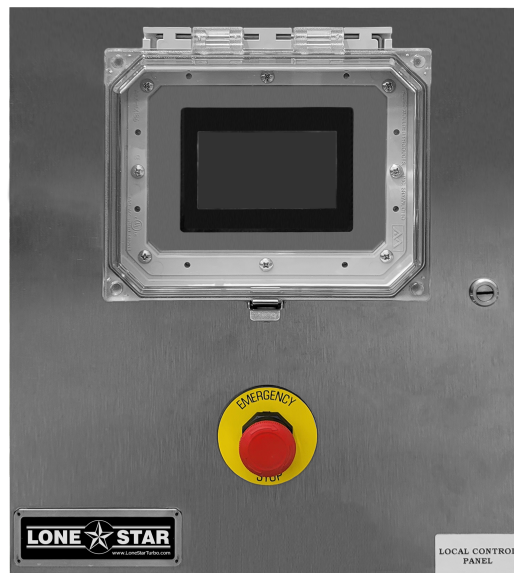
Control Options

Control Methods	Inlet Guide Vane, Discharge Guide Vane, Speed, Blow-off Valve

Available Protections & Functionality

Active Surge Avoidance
Additional Instrument Monitoring
Alarm & Trip History
Automatic Restart on Power Outage

Documentation, Testing & Startup Services

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

*Customization may affect the standard listed specifications

Standard Panel Specifications*

Approvals	UL/ULC 508A	**Other Product Features**	
Warranty	Lifetime Warranty with Standard Hardware	E-Stop Button	
Enclosure Size	16H x 14W x 8D	Status Indicator Light	
Enclosure Rating	TYPE 4	Electrical Surge Protection	
HMI	7" Phoenix Contact BWP 2070W	Isolated Instrument Ground	
PLC		**Available Options**	
Model	Phoenix Contact PLCnext AXC F 2152	Alternate PLC Brand (Allen Bradley, Siemens, Schneider, Other)	
Programming Software	PLCnext Engineer (Free Software)	Alternate HMI Brand (Allen Bradley, Siemens, Schneider, Other)	
CPU	Arm® Cortex® A9 2x 800 MHz	Type 4X or Type 12 Enclosure	
Internal Memory	512MB	Hinged HMI Cover	
Expansion Memory	SD Card - 2GB	Interior Light	
Communications	ProfiNet, EtherNet/IP, Modbus TCP, MQTT, OPC UA (more options available)	Alarm Beacon or Siren	
		Pilot Devices - Push Buttons, Switches, or Indicator Lights	
Ethernet Connections	x2 RJ45	Ethernet Switch - Managed or Unmanaged	
Operating Temperature	-25°C to 60°C	Cooling - Fans, Vortex Cooler, or Panel Mount A/C	
I/O		Panel Heater	
Discrete Inputs	x8	Purge Systems	
Discrete Outputs	x8	Other Approval Ratings	
Analog Inputs	x8		

* Information is approximate and can change without notice
* Air Performance Based on 1 Atm, 68F/20C, 36% RH and 3550 rpm