

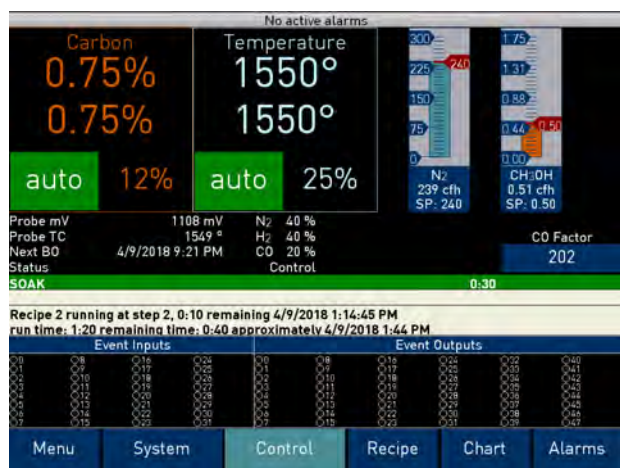
atmosphere

Nitrogen Methanol Control System

Precise measurement and control
for consistent atmosphere generation
in a variety of furnace applications.

Includes

- Matrix Control System w/ 5.7" Touch Screen
 - Ethernet - Modbus TCP
 - RS485 - Modbus RTU
 - Allen Bradley DF1
 - Expandable I/O
 - Remote Control/View
 - Sophisticated PID Algorithms with Auto Tuning
- Built-in Data Logging
- Nitrogen eFlo Meter - Process
- Nitrogen Gauge Meter - Purge
- Methanol Liquid eFlo Meter
- All Required Piping
- Regulators for Nitrogen and Methanol
- High Flow / Low Flow Settings



Safeties Include:

- Methanol Flow Switch
- Process Nitrogen Flow Switch
- Emergency Purge Nitrogen Flow Switch
- Nitrogen Pressure
- 1400°F Interlock
- 800°F Low Temperature Interlock
- Burnoff Pilots Active
- Recirculation Fan Running
- Emergency Purge
- 5x Volume Exchange Purge In/Purge Out
- Minimum Flow Monitoring
- Regulators for Nitrogen and Methanol
- High Flow / Low Flow Settings
- Overtemp (when temperature control loop present)

Optional Carbon and Temperature Loop Control

- Enriching Gas Flow Meter
- Dilution Air Flow Meter
- Recipe Control
 - (Ramp, Soak, Guarantee Soak, Event Control, etc.)
- Deviation and Band Alarms

INNOVATIVE SOLUTIONS WORLDWIDE

A24-03201806-001



Super Systems
incorporated

Nitrogen Methanol Control System

With Innovative eFlo Flow Meter Technology



eFlo Flow Meter



eFlo Liquid and High Pressure Flow Meter



eFlo Gauge Meter

Additional Options

Gold Probe

- Delivers precision and repeatability in a variety of controlled atmosphere heat treating processes
- Various sizes and optional thermocouple types
- Specialized sheath design for high carbon and temperature applications



Model 500

Single Probe Reference Air / Burnout System

- Reference air and burnout flow scopes
- Internal, independent reference air and burn off air sources
- Designed to be mounted near the oxygen probe on the furnace



SuperSystems
incorporated

7205 Edington Drive
Cincinnati, OH 45249
513.772.0060 **phone**
513.772.9466 **fax**

www.supersystems.com • 800.666.4330