RECONDITIONED-CERTIFIED-WARRANTIED GAS CABINETS

CSI’s meticulous reconditioning process results in exceptional quality turn-key systems guaranteed to meet or exceed original specifications at a significant savings over OEM prices. A system that has passed CSI’s reconditioning checklist has met the highest standards of purity & quality in the industry. Every gas cabinet is backed with our industry leading one year warranty.

All controllers, panels and cabinets are disassembled and thoroughly tested before being CSI Certified. Full analytical testing is available. Complete customization is offered after a consultation of your exact gas needs. On-site commissioning & training, spare parts, and ongoing support is available.

Standard Configurations:
- Fully Manual - Common Choice for Inert Systems
- Semi Automatic - For use with Flammable, Lite Toxic and Oxidizers
- Fully Automatic - For use with Corrosives, Toxics and Pyrophorics

Cabinets available in Process/Purge, Dual Process Out and Auto Crossover Designs

Cabinet Dimensions & Features:
- 1 Cylinder Cabinet: 18-1/8” Wide x 19-17/32” Deep x 85” High with 6” Exhaust
- 2 Cylinder Cabinet: 24-1/8” Wide x 19-17/32” Deep x 85” High with 6” Exhaust
- 3 Cylinder Cabinet: 38-1/8” Wide x 19-17/32” Deep x 85” High with 6” Exhaust

Exhaust Monitoring
Temperature Monitoring
Cabinets are 12 ga Painted Steel, Seam Welded, with a Self Closing/Latching Door
Dual Cylinder Saddles with Chains per Cylinder

Options:
- Process Out Gas Filters rated at 0.003µ
- Purge Gas Purifiers
- Controller Heaters
- UVIIR for Silane Systems
- Cylinder Scales for liquefied gases
- Gas Chiller/Heaters
- Multi-cylinder systems

All Critical Systems Reconditioned Gas Cabinets comply with applicable codes and guidelines by OSHA, TGO, NEC, Uniform Fire Code (UFC80), International Fire Code, NFPA, and SEMI S2. CE and NRTL compliant.

Since 2000, Critical Systems, Inc. (CSI) has been supporting the breakthrough technologies of our customers with practical, cost effective solutions that “surround the process tool”.

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Reconditioned & Warrantied Gas Cabinets (cont.)

Controller Features:
Color or Monochrome Displays
Real Time Flow Schematics
Simple, Intuitive Keypad
User Settable Alarm Limits and Functions
Automated Cycle Purge Routines
Independent Life Safety Board
Visual and Audible Fault and Shutdown Alarms
Digital Inputs for Cabinet Shutdown
Multiple Password Level Access
Ethernet and Analog Outputs
Z-Purge for Class 1 Div 2 Compliance
Digital Customer I/Os

Panel Features:
Logical Gas Flowpath with 10Ra Surface Finishes
Well known Brand Name Components for long life
Maintenance friendly design with replaceable components
Springless Diaphragm Valves and Tied Diaphragm Regulators
Strategically placed purge and vent valves for efficient bottle changes
High Precision Pressure Transducers
Excess Flow Switches
Trickle flow purge valve
DISS and CGA Cylinder Connections
High Flow Options

Facilitation Information:
Pneumatic Supply: Pneumatic supply rated at 85 - 95 psig
Process Gas Line Sizing: Components and tubing sized to deliver customer's required flow rate
Process Outlet: 1/4" Tube Stub Standard, 3/8" High Flow and 1/2" Coax Outlets Optional
Venturi Inlet: 1/4" Tubing, 75 - 95 psig of Nitrogen
Purge Inlet: 1/4" from a dedicated purge source. System requires 80 - 90 psi of UHP N2
Vent Outlet: 1/4" Tubing
Cabinet Exhaust: 6" Vent Stack Duct Size
Electrical: 100 - 240 VAC @ 150 VA maximum, Single phase to neutral grounded 3 wire, 50 to 60 Hz
Equipment Grounding: Use Alpha #1239, 1-3/8" flat braid or equivalent CE marked systems (total length < 10 ft)
Operating Voltage: 100 - 240 VAC, 50 - 60 Hz, 4 amps
Sprinkler: 30 psi @ 31 gpm
Exhaust: Dampered Exhaust for UFC Requirements. Standard flow to 250 scfm; Code 13 Hi-Flow to 810 cfm