

# SDC

## CiphercoN™ 1500

Fully Automated Valve Manifold Box

### Standard Configurations

- 4-stick [0-4 sticks populated]
- 8-stick [0-8 sticks populated]
- 8-stick Dual Gas [0-4 sticks for Gas A, 0-4 sticks for Gas B]

### Standard Controls/Features

- PLC control of all critical functions
- Bright 10.4" color touch screen interface
- Proven auto-sequenced routines for all aspects of operations and maintenance
- User settable limits for all process and alarm parameters
- Exhaust pressure monitor
- On-screen warnings, alarms, prompting and instructions
- Emergency Off (EMO)
- EMO and EGO inputs
- Alarm outputs
- Multi-level password protection
- Diagnostics screen
- Valve cycle count screen
- Z-Purge ready for Class I Div II compliance

The CiphercoN™ 1500 Valve Manifold Box, sister product to the popular CiphercoN 1500 Haz-Gas Cabinet, is also representative of SDC's continuous drive and commitment to providing the industry's safest and most reliable Ultrahigh Purity (UHP) specialty gas equipment available. Mass customization and modular design concepts of the gas sticks and controls architecture have combined to widen the product configuration spectrum and greatly increase user flexibility.

The CiphercoN 1500 VMB supports simple dry-contact communication for hazard alarms, process alarms, tool call, external EMO, external EGO and more. If your gas management solution requires more sophisticated communication, the 1500 VMB also supports Ethernet using open Modbus™ TCP protocol. This allows the CiphercoN



8-stick populated VMB

1500 to be easily integrated into most new and existing SCADA systems.

From the Fab to the Lab to the University, SDC sets itself apart as the clear choice for **value** in today's budget conscious environment.

### Process Features

- Ultrahigh Purity [UHP] 316L SS or VAR construction
- Standard surface finish 10 Ra average or better
- Vacuum assisted purging
- UHP orbitally welded with strategic VCR® breaks
- Helium leak tested to  $1.0 \times 10^{-9}$  atm\*cc/s
- CLASS 100/CLASS 10 clean room assembly and test

### Stick Options

- Regulation
- Transducer [gauge standard]
- Excess flow sensor
- Filtration

### Configuration Options

- Gas leak sensor
- UV/IR
- UL®

### Dimensions

- 28"W x 36"H x 13"D

### Codes and Standards Referenced

- ASME Section IX
- SEMI™ S2
- NFPA® 79, 496, 70 [NEC®]
- Factory Mutual®
- UL®
- CE



OEM discounts and private-labeling services available.

# Ciphercon™ 1500

## Fully Automated Valve Manifold Box



Bright 10.4" color touch screen interface

The Ciphercon™ 1500 VMB makes it easy to meet your exact gas delivery needs. Our modular design concept allows for ease of service and upgradeability. Start by choosing one of several "core" VMB configurations. Begin customizing by selecting the number of sticks, then optionalize each stick with any number of stick options including: regulation, transducers, filters, excess flow sensors, RFO's and more! SDC's SPEC ✓™ worksheet will walk you through this process in a simple, step-by-step manner. SDC's Sales Engineers are always available to work through this customization process with you, either by phone, or in person.

### FACILITIES REQUIREMENTS

Pneumatic Supply	adjustable to 90 psig	1 slm max.
Process Purge	adjustable to 80 psig	30 slm max.
Vacuum Drive	adjustable to 85 psig	85 slm max.
Process Vent	>1.0" WC	100 slm
Power	115V/5A	N/A
Sprinkler [if used]	30 psig	31 gpm
Exhaust	>0.1 H <sub>2</sub> O	>250 scfm

SDC, A Total Solutions Provider for Your Gas and Chemical Management Needs

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