

Vanguard Series 2CC-A

Gas Control Technologies Ltd supplies production-ready ultra high purity gas source systems, distribution systems and control technology to leaders in the Semiconductor industry and related high-tech fields. Built to address the most rigorous precision and purity demands of these specialized applications, Gas Control Technologies Vanguard solutions are globally renowned for their premier levels of safety, quality, and performance



2 Cylinder fully automatic Cabinet

Features:

- Larger footprint** to accommodate aluminium cylinders and heater jackets
- Snorkel Air Inlet** to allow high level extract air entry via low level filters for extended filter life
- Full width door** with over 120 degrees of swing, Espagnolette 4-point locking system and keyed access lift handle door lock
- Opening Window** with keyed access latch
- 150mm extract duct.**
- Cylinder support brackets and securing chains**
- Adjustable Cylinder supports** for cylinders of 10 litre capacity and less
- Fire Sprinkler** 68°C burst point fire sprinkler for cylinder cooling
- PUR bonded gaskets** all gasket material bonded by injection method at point of manufacture
- Constructed from mild steel finished in RAL 7035 structured powder coating
- Dimensions** 800mm x 600mm x 2000mm (excluding controller)
- Safely Dispenses Hazardous Process Gases**
- Performs Purging Automatically**
- Can perform Cylinder Switchover Automatically**
- Includes Ergonomically Positioned Colour Touch Screen**
- Intuitive Operating Interface and Control**
- Continuously Monitors System Conditions for Alarms**
- Maintains Detailed Alarm Logs**
- Multiple Communications Protocols Available**

DESIGN STANDARDS

- Conforms to Pressure Equipment Directive (PED) 2014/68/EU
- Helium Leak Tested to 2×10^{-9} atm-cm³/sec
- Conforms to SEMI S2 standards
- Maximum inlet pressure 3500 psig (238 bar g)
- Maximum outlet pressure 100 psig (6.8 bar g)
- (250 psig (17 bar g) available on request)

Additional Enhancements (for process panels only)

Purge Gas Bleed Valve

Allows for constant bleed of 1 SLPM during cylinder exchange/maintenance

Coax monitoring

Allows for monitoring of sealed co-axial pipework under vacuum (V) or pressure (P)

Manual High Pressure Leak Test Valve with LOTO

Allows for leak testing of cylinder connection and gas panel

Manual Process Line Isolation Valve with LOTO

Allows for isolation of gas panel from process gas line for leak testing of gas panel and maintenance



Ordering information

2CC - A - XX - XX - XXX - XXX - XXX - XXX - XXX

Base Model

Left Panel

10= 5V-A-TD

20= 5V-A-TDH

30=5V-A-LP-TD

40=5V-A-LP-TDH

Right Panel

10= 5V-A-TD

20= 5V-A-TDH

30=5V-A-LP-TD

40=5V-A-LP-TDH

50 = 2V Purge Supply

Option 1

LTV = Leak Test Valve

PLI = Process Line Isolation Valve

Option 5

XOV= Automatic changeover function

Option 4

PGB= Purge Gas Bleed Valve

Option 3

CXV = Coaxial Outlet (vacuum monitoring)

CXP= Coaxial Outlet (pressure monitoring)

CXO = Coaxial Outlet (no monitoring)

Option 2

LTV = Leak Test Valve

PLI = Process Line Isolation Valve