



## GAS CABINETS FOR INDOOR APPLICATIONS

GCC  
*High Purity Series*

### DESCRIPTION

Gas cylinder cabinets are designed to provide a safe and cost effective way to isolate hazardous gas cylinders from the surrounding workplace. The cabinets are available in a single, dual, triple, or four-cylinder configuration. They encourage separation of gases according to their classification, satisfying both building and fires codes. The cabinet exhaust vent is designed to be coupled with a fan (not included) to provide a local exhaust. The GCC series gas cylinder cabinets are designed for indoor applications.

### STANDARD FEATURES

- Sturdy all-welded construction** using 12-gauge steel provides for extra structural strength
- Polyurethane paint** with a choice of colours
- Flat top design** with exhaust vent
- Neoprene gaskets** fit snugly around door to ensure a positive seal
- Low profile** one-inch re-inforced threshold makes cylinder installation and removal easy
- Flush mounted, paddle type, **lockable door latch**
- Double re-inforced **safety glass** for extra safety against fire and impact
- Adjustable **cylinder bracket(s)** with chains to accommodate a wide range of cylinder sizes and to secure cylinders from toppling
- Removable white back panel** on inside rear of cabinet can be used to mount the gas delivery system.
- Modular **Unistrut supports** make the installation of gas control panels, and cylinder supports easy

### OPTIONAL FEATURES

- Choice of five gas delivery **control panels**
- Automatic switchover **manifolds**
- Semi-automatic switchover manifolds
- Integral fire **sprinkler head**
- Gas detection** equipment and automatic shut-off controls



CABINETS FOR  
INDUSTRIAL AND OUTDOOR  
APPLICATIONS ARE  
AVAILABLE.  
PLEASE CONTACT GCE  
FOR CUSTOM-MADE  
CABINETS

*Helping our customers  
to become more effective*

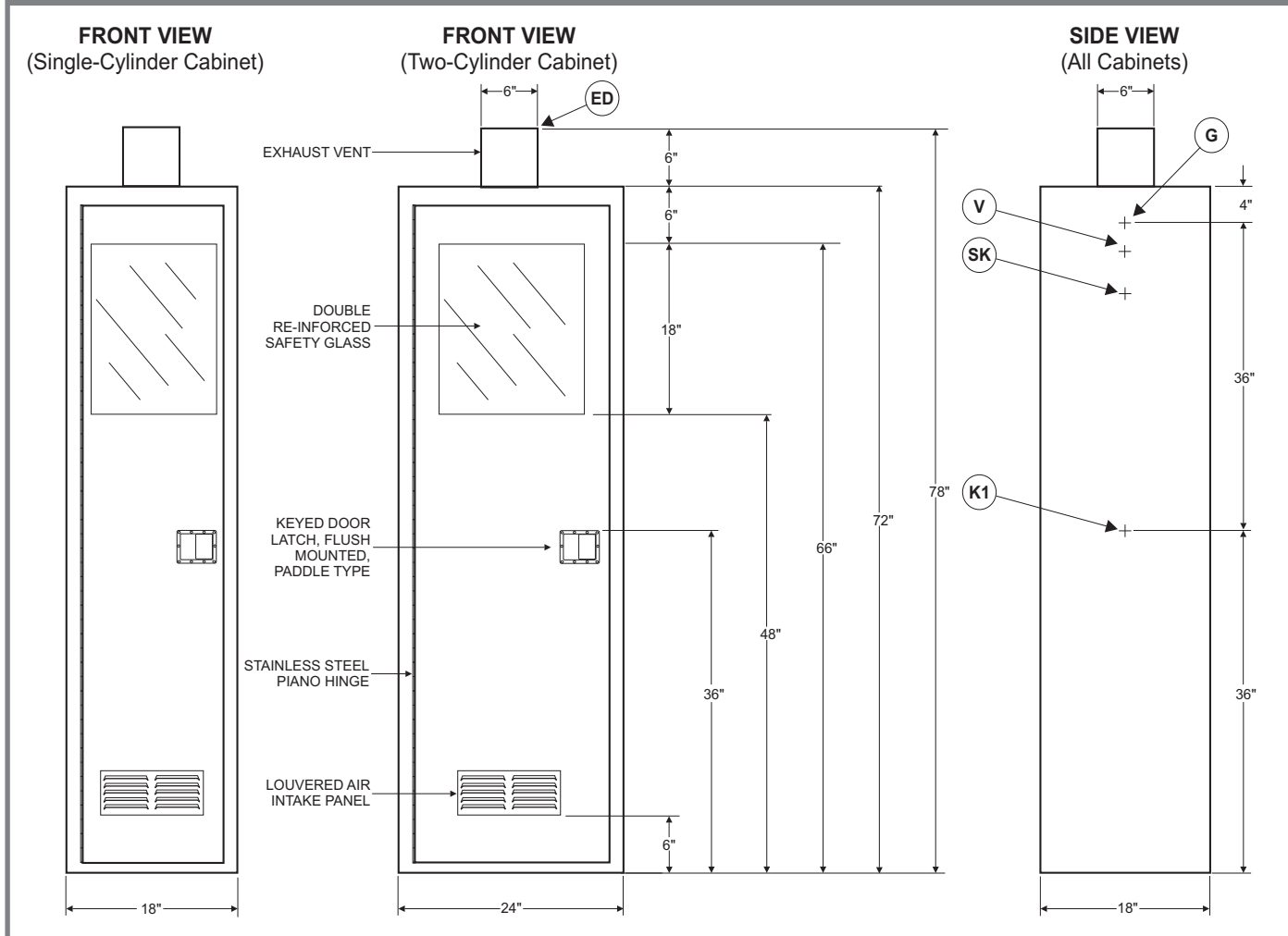




# GAS CABINETS FOR INDOOR INSTALLATIONS

## GCC SERIES TECHNICAL SPECIFICATIONS

### DIMENSIONAL DRAWING



#### NOTICE WORK BY OTHERS

SAFE AND EFFICIENT OPERATION OF THIS PRODUCT IS DEPENDENT UPON THE OWNER/USER OR HIS CONTRACTORS PROVIDING THE SERVICES SPECIFIED HEREIN AS WELL AS ANY OTHER NORMALLY ACCEPTED ELECTRICAL, MECHANICAL OR PLUMBING INTERFACE BETWEEN THE USER'S SUPPLY AND THIS PRODUCT.

GAS & CRYO EQUIPMENT WILL NOT ASSUME RESPONSIBILITY FOR PROBLEMS THAT RESULT FROM NON-COMPLIANCE WITH THESE CONDITIONS.

#### PRODUCT SPECIFICATIONS

##### CABINET

- 1) WINDOW: DOUBLE RE-INFORCED SAFETY GLASS
- 2) LATCH: FLUSH MOUNTED, PADDLE TYPE, LOCKABLE WITH KEY
- 3) COLOR: BEIGE STANDARD OR OTHER OPTIONAL COLOUR
- 4) SURFACE FINISH: INSIDE AND OUTSIDE SMOOTH
- 5) MATERIAL OF CONSTRUCTION: ALL-WELDED 12-GAUGE STEEL

##### OPTIONAL SPRINKLER

- 1) FUSE RATING: 135° FARENHEIT
- 2) WATER FLOW CAPACITY: 35 GPM AT 40 PSI

#### SERVICE REQUIREMENTS

##### VENTILATION

- ED** 6" DIA. DUCT CONNECTION TO DEDICATED GAS SERVICE EXHAUST SYSTEM. A FLOW RATE OF 300 CFM @ .65"W.G. STATIC PRESSURE 13 AIR CHANGES PER MINUTE (WHICHEVER IS THE SMALLEST) THROUGH A 6" DIA. GALVANIZED OR STAINLESS STEEL DUCT TO BE SUPPLIED BY OTHERS. SEE NOTE 2.

##### PIPING

- G** GAS USE 1/4" COMPRESSION TUBE CONNECTION STAINLESS STEEL POINT IN GAS CABINET.
- V** VENT 3/8" COMPRESSION TUBE CONNECTION STAINLESS STEEL POINT IN GAS CABINET.

##### OPTION - ELECTRICAL

- K1** ACCESS HOLE FOR 1/2" CONDUIT. SIX 14 AWG, 120 V WIRES IN CONDUIT FROM GAS CABINET TO PERIPHERAL ELECTRICAL DEVICES. WIRES AND CONDUIT TO BE SUPPLIED BY OTHERS. INSTALLER CAN RELOCATE TO OPPOSITE SIDE OF CABINET IF REQUIRED.

##### OPTION - SPRINKLER

- SK** WATER INLET IS 1/2" F.NPT STAINLESS STEEL CONDUIT. SEE NOTES FOR WATER REQUIREMENTS

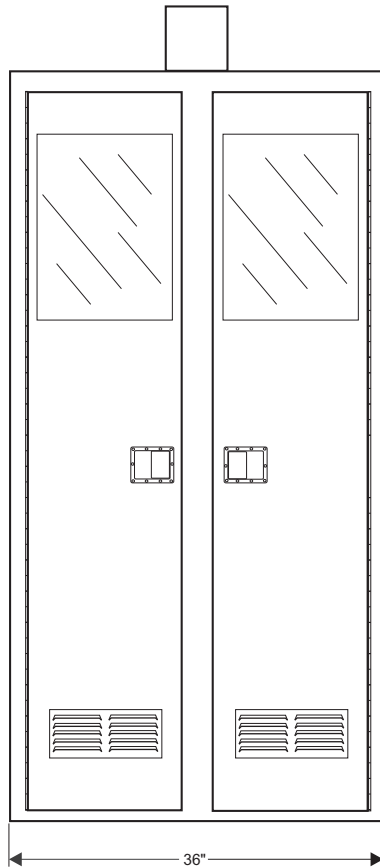




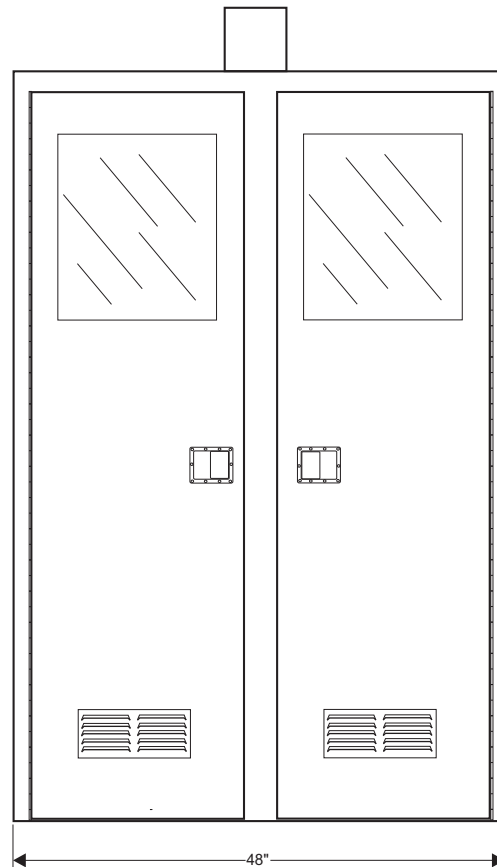
# GAS CABINETS FOR INDOOR INSTALLATIONS GCC SERIES TECHNICAL SPECIFICATIONS

## DIMENSIONAL DRAWING

**FRONT VIEW**  
(Three-Cylinder Cabinet)



**FRONT VIEW**  
(Four-Cylinder Cabinet)



### ARCHITECTS & CONTRACTORS

- 1) POSITION, LEVEL AND SECURE THE GAS CABINET TO THE FLOOR OR THE WALL WITH FOUR 1/2" (M12) DIA. BOLTS SUPPLIED BY OTHERS. FOR SEISMIC ANCHORING REQUIREMENTS, WORST CASE CG LOCATION AND WORST CASE WEIGHT, REFER TO AZOXCO DRAWING DG-1132(P2).
- 2) A 6" DIAMETER DUCT WITH AN AIRFLOW SWITCH INSTALLED IN IT IS RECOMMENDED (TO BE SUPPLIED BY OTHERS). FOR PROPER OPERATION THIS ASSEMBLY MUST BE INSTALLED ANYWHERE BETWEEN THE CABINET EXHAUST DUCT AND THE DEDICATED EXHAUST VENTILATION SUPPLY.
- 3) IT IS THE CUSTOMER'S RESPONSIBILITY TO PROVIDE VENTILATION FOR THE REMOVAL OF GAS WHICH MAY ESCAPE FROM GAS SERVICE PROCESSING EQUIPMENT. EVERY AREA HAS ITS OWN REQUIREMENTS AND A VENTILATION ENGINEER SHOULD BE CONSULTED.
- 4) THE DOOR CAN BE HINGED TO THE LEFT SIDE OR THE RIGHT SIDE OF THE CABINET AT TIME OF ORDERING.

### DRAWING NOTES

- 1) ALL DIMENSIONS GIVEN ARE FROM FINISHED SURFACES.
- 2) DIMENSIONS ARE IN INCHES



# GAS CABINETS FOR INDOOR INSTALLATIONS GCC SERIES TECHNICAL SPECIFICATIONS

## HOW TO ORDER - PART NUMBER MATRIX

BASIC SERIES  
GCC

QUANTITY OF CYLINDERS

- 1 - Single-cylinder gas cabinet
- 2 - Two-cylinder gas cabinet
- 3 - Three-cylinder gas cabinet
- 4 - Four-cylinder gas cabinet

LEFT DOOR HINGE SIDE

- LDR - Left door - hinge to the right
- LDL - Left door - hinge to the left

RIGHT DOOR HINGE SIDE

- RDR - Right door - hinge to the right
- RDL - Right door - hinge to the left

DOOR CLOSER

- DC - Door closer (Leave blank if not required)

COLOUR

- AL - Aluminium construction
- BG - Beige
- WH - White
- GR - Light grey
- RD - Red
- BL - Medium blue
- CC - Custom Colour

SPRINKLER

- SK - With sprinkler
- Leave blank if not required

GAS DETECTION

- GD - Gas-specific detector (Leave blank if not required)

GCC -  -  -  -  -  -  -  -

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to become more effective*



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