



GAS CABINETS FOR INDOOR APPLICATIONS

GCC
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 (supplied by others) 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 extra structural strength
- **Polyurethane paint** with a choice of colour
- **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 chain accomodates a wide range of cylinder sizes and secures cylinders from toppling
- **Removable white back panel** on inside rear of cabinet can be used to mount the gas delivery system.
- Modular **Unistrut support** makes installation of gas control panels, cylinder supports easy

Optional Features

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

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



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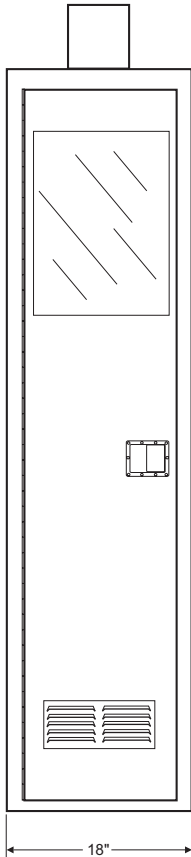
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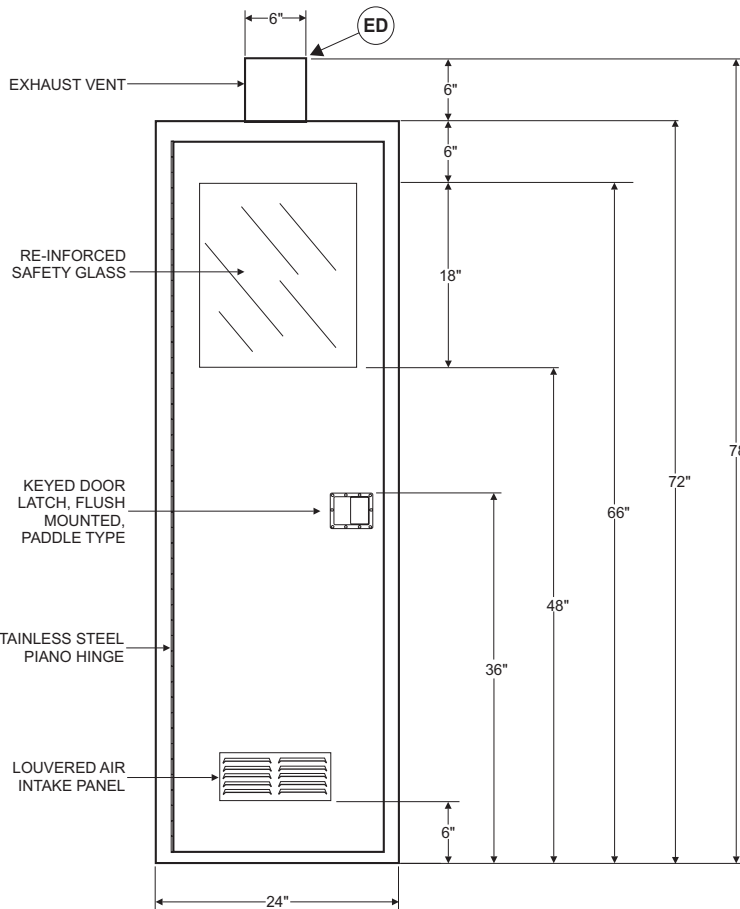
GAS CABINETS FOR INDOOR INSTALLATIONS GCC SERIES TECHNICAL SPECIFICATIONS

Dimensional Drawing

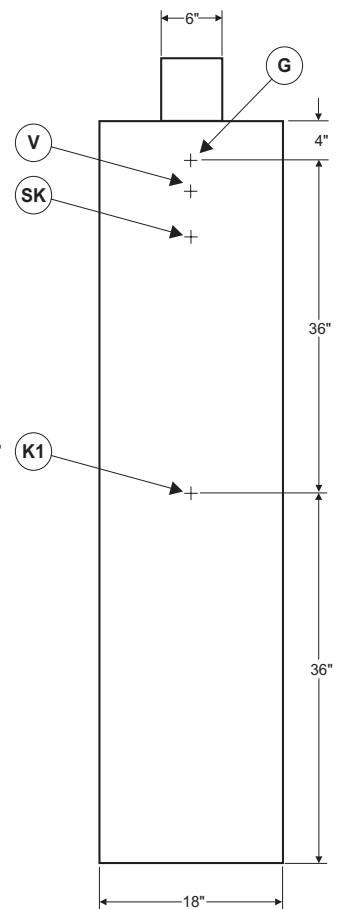
FRONT VIEW
(Single-Cylinder Cabinet)



FRONT VIEW
(Two-Cylinder Cabinet)



SIDE VIEW
(All Cabinets)



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.

WESTERN 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 CPM 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

How To Order - Part Number Matrix

BASIC SERIES

GCC

QUANTITY OF CYLINDERS

- 1 - Single-cylinder 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 - Grey
- SS - Stainless steel construction
- BK - Black
- CC - Custom Colour

SPRINKLER

- SK - With sprinkler
- Leave blank if not required

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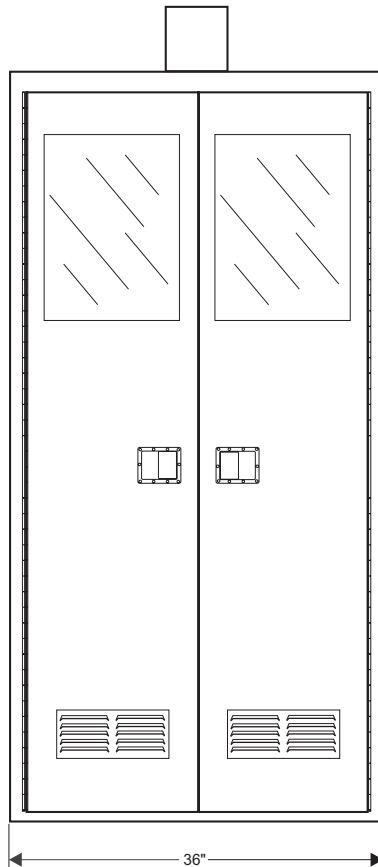
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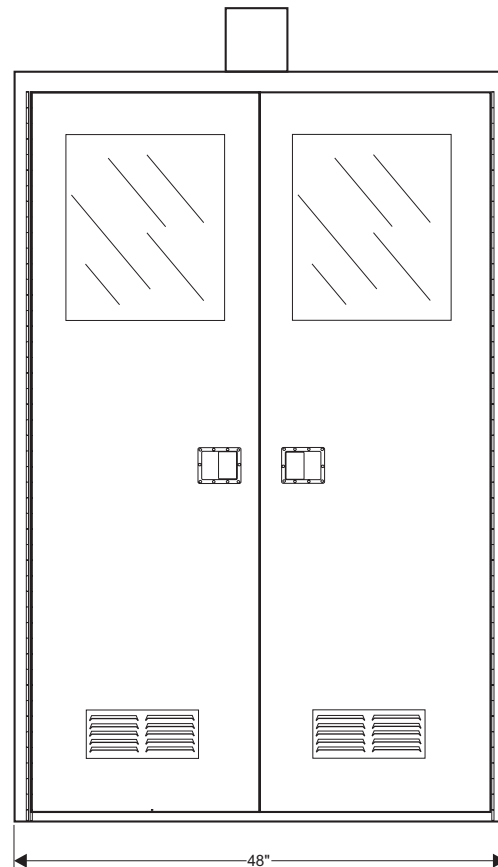
GAS CABINETS FOR INDOOR INSTALLATIONS GCC SERIES TECHNICAL SPECIFICATIONS

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 WESTERN FOR DETAILS.
- 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 FOR 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 PLACING THE ORDER.

Drawing Notes

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



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