

# Safety Cabinets



**FLAMMABLE & CORROSIVE  
STORAGE**

**KEWAUNEE®**

*...encouraging new discovery*



***At Kewaunee, we understand your need for stringent safety measures.*** For over 100 years, we have built the world's finest laboratory furniture including steel, wood, and stainless steel casework, the Alpha family of flexible and mobile casework, Supreme Air fume hoods, bio-safety cabinets, Kemresin worksurfaces, Alpha Columns and Enterprise. Kewaunee provides total Laboratory Solutions, Innovative Design, and Technological Expertise for labs throughout the world.

# KEWAUNEE SAFETY CABINETS



Dual vents with 2" threaded fittings placed one on the top left and one on the bottom right with built-in flame arrestor

Fully welded construction, increasing fire protection by reducing gapping

Continuous full height piano hinges

Environmentally friendly, electrostatically applied powder coat finish that meets SEFA 8 chemical requirement

Shelves are easily adjustable in 2-1/4" increments for versatile storage. The shelves are made of heavy gauge galvanized steel for supporting the storage capacity up to 90 gallons

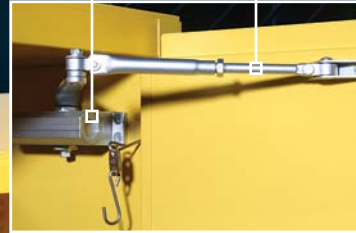
18 gauge double walled steel construction with 1-1/2" air space

For convenience of loading the cabinet, each door can be latched open with a fusible link. In case of fire, the link melts at 165° closing the doors automatically

Self-closing, self latching, synchronized doors, ensure that the left door closes prior to the right door (For self-closing models)

Trilingual warning labels

Removable panel to service three point latching mechanism



**FLMMABLE**  
KEEP FIRE AWAY  
**INFLAMMABLE**  
MANTENGA ALEJADO DEL FUEGO  
**INFLAMMABLE**  
TENIR LOIN DES FLAMMES

2" high sump on cabinet bottom to contain leaks and spills

Adjustable leveling glide for uneven flooring



Additional security provided by keyed paddle latch

Non-sparking, three-point latching mechanism



# FLAMMABLE STORAGE CABINETS



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Bi-Fold Self-Closing  
Doors



Each door  
latches open  
with a fusible link

***Kewaunee Flammable Storage Cabinets ensure maximum protection for both personnel and products.*** They are specifically designed for the storage of flammable and combustible liquids. The cabinets are designed in accordance with NFPA (National Fire Protection Association), OSHA (Occupational Safety and Health Administration) and FM (Factory Mutual International) regulations. Available in a full range of sizes and designs including manual close, self-closing and bi-fold self-closing doors.

- 15 different capacities
- Three door options
- Factory Mutual Approved
- Upper and lower diametrically opposed side vents

Model	Type Doors	Shelves	Gal Capacity	H x D x L in inches
G65M221717-0009 G65M221717-0009V	Manual Self-Close	N/A	4	22" x 17" x 17"
G65M151731-0009 G65M151731-0009V	Manual Self-Close	1	4	15" x 17" x 31"
G65M271821-0009 G65M271821-0009V	Manual Self-Close	1	7	27" x 18" x 21"
G65M351824-0009 G65M351824-0009V	Manual Self-Close	1	12	35" x 18" x 24"
G65M181843-0009 G65M181843-0009V	Manual Self-Close	1	12	18" x 18" x 43"
G65M442218-0009 G65M442218-0009V	Manual Self-Close	1	15	44" x 22" x 18"
G65M221843-0009 G65M221843-0009V	Manual Self-Close	1	15	22" x 18" x 43"
G65M181847-0009 G65M181847-0009V	Manual Self-Close	1	15	18" x 18" x 47"
G65M441824-0009 G65M441824-0009V	Manual Self-Close	1	17	44" x 18" x 24"
G65M241843-0009 G65M241843-0009V	Manual Self-Close	1	17	24" x 18" x 43"
G65M441243-0009 G65M441243-0009V	Manual Self-Close	2	20	44" x 12" x 43"
G65M651823-0009 G65M651823-0009V	Manual Self-Close	2	22	65" x 18" x 23"
G65M352235-0009 G65M352235-0009V	Manual Self-Close	1	23	35" x 22" x 35"
G65M352436-0009 G65M352436-0009V	Manual Self-Close	1	23	35" x 24" x 36"
G69M362235-0009V	Bi-Fold Self-Close	1	24	36" x 22" x 35"
G65M441843-0009 G65M441843-0009V G69M441843-0009V	Manual Self-Close Bi-Fold Self-Close	1	30	44" x 18" x 43"
G65M461843-0009 G65M461843-0009V	Manual Self-Close	2	30	46" x 18" x 43"
G69M362247-0009V	Bi-Fold Self-Close	1	36	36" x 22" x 47"
G65M651843-0009 G65M651843-0009V G69M651843-0009V	Manual Self-Close Bi-Fold Self-Close	2	45	65" x 18" x 43"
G65M653423-0009 G65M653423-0009V	Manual Self-Close	2	54	65" x 34" x 23"
G65M653131-0009 G65M653131-0009V	Manual Self-Close	2	60	65" x 31" x 31"
G65M653434-0009 G65M653434-0009V G69M653434-0009V	Manual Self-Close Bi-Fold Self-Close	2	60	65" x 34" x 34"
G65M653443-0009 G65M653443-0009V G69M653443-0009V	Manual Self-Close Bi-Fold Self-Close	2	90	65" x 34" x 43"

**Note:** 4 and 7 gallon cabinets are not FM approved

# ACID/CORROSIVE STORAGE CABINETS



Removable panel to service three point latching mechanism



Polyethylene trays for spill containment



## *Kewaunee Acid/Corrosive Cabinets are designed and built for the safe storage of corrosive chemicals.*

These cabinets adhere to Kewaunee's rigid quality construction standards.

- 15 different capacities
- Three door options
- Factory Mutual Approved
- Upper and lower diametrically opposed side vents

Model	Type Doors	Shelves/Tray	Gal Capacity	H x D x L in inches
G85M221717-0009 G85M221717-0009V	Manual Self-Close	N/A	4	22" x 17" x 17"
G85M151731-0009 G85M151731-0009V	Manual Self-Close	1	4	15" x 17" x 31"
G85M271821-0009 G85M271821-0009V	Manual Self-Close	1	7	27" x 18" x 21"
G85M351824-0009 G85M351824-0009V	Manual Self-Close	1	12	35" x 18" x 24"
G85M181843-0009 G85M181843-0009V	Manual Self-Close	1	12	18" x 18" x 43"
G85M221843-0009 G85M221843-0009V	Manual Self-Close	1	15	22" x 18" x 43"
G85M442218-0009 G85M442218-0009V	Manual Self-Close	1	15	44" x 22" x 18"
G85M181847-0009 G85M181847-0009V	Manual Self-Close	1	15	18" x 18" x 47"
G85M441824-0009 G85M441824-0009V	Manual Self-Close	1	17	44" x 18" x 24"
G85M241843-0009 G85M241843-0009V	Manual Self-Close	1	17	24" x 18" x 43"
G85M441243-0009 G85M441243-0009V	Manual Self-Close	2	20	44" x 12" x 43"
G85M651823-0009 G85M651823-0009V	Manual Self-Close	2	22	65" x 18" x 23"
G85M352235-0009 G85M352235-0009V	Manual Self-Close	1	23	35" x 22" x 35"
G85M352436-0009 G85M352436-0009V	Manual Self-Close	1	23	35" x 24" x 36"
G89M362235-0009V	Bi-Fold Self-Close	1	24	36" x 22" x 35"
G85M441843-0009 G85M441843-0009V	Manual Self-Close	1	30	44" x 18" x 43"
G85M461843-0009 G85M461843-0009V	Manual Self-Close	2	30	46" x 18" x 43"
G89M441843-0009V	Bi-Fold Self-Close	1	30	44" x 18" x 43"
G89M362247-0009V	Bi-Fold Self-Close	1	36	36" x 22" x 47"
G85M651843-0009 G85M651843-0009V G89M651843-0009V	Manual Self-Close Bi-Fold Self-Close	2	45	65" x 18" x 43"
G85M653423-0009 G85M653423-0009V	Manual Self-Close	2	54	65" x 34" x 23"
G85M653131-0009 G85M653131-0009V	Manual Self-Close	2	60	65" x 31" x 31"
G85M653434-0009 G85M653434-0009V G89M653434-0009V	Manual Self-Close Bi-Fold Self-Close	2	60	65" x 34" x 34"
G85M653443-0009 G85M653443-0009V G89M653443-0009V	Manual Self-Close Bi-Fold Self-Close	2	90	65" x 34" x 43"

**Note:** 4 and 7 gallon cabinets are not FM approved

## FEATURES OF KEWAUNEE SAFETY CABINETS

- Kewaunee Safety Cabinets are produced in accordance with NFPA 30 Chapter 9.5.3 and OSHA 29 CFR 1910.106 regulations
- Kewaunee Safety Cabinets 12 gallons and greater are FM Global tested and approved
- 2" deep liquid tight containment sump covering the entire floor of the cabinet
- 18-gauge double walled steel construction, along with 1-1/2" air spaces between the walls, store flammable liquids and waste securely and safely
- Fully welded construction, increasing fire protection by reducing gapping
- Integrally welded, interlocking shelf hangers increase stability while reducing hardware
- Durable powder coat paint will resist solvents, acids and alkalis
- Two grounding attachment points at the rear of all cabinets for easy grounding
- Continuous full door height piano hinges
- FM & UL approved fusible-link hold open feature ensures the door closes should the temperature outside the cabinet exceed 165 degrees Fahrenheit
- Manual and self-closing door options are available
- Self-closing, self-latching synchronized doors, ensure that the left door closes prior to the right door
- Equipped with a lockable, non-sparking, three-point latching mechanism for additional security
- Adjustable leveling screws lower or raise the cabinets by 1.6 cm (5/8") at each corner
- Polyethylene trays for galvanized steel shelves offer additional protection and have a slightly raised curved edge to contain the spills (Corrosive units only)
- Polyethylene trays in the bottom sill area catch incidental spills and leaks (Corrosive units only)
- Safety labels are provided in three languages: English, Spanish and French
- Upper and lower diametrically opposed side vent with flame arrestor for proper venting when specified
- Laboratory grade formulation meets SEFA 8 chemical requirement

## SPECIFICATIONS FOR FLAMMABLE & CORROSIVE SAFETY CABINETS

### NFPA 30 Chapter 9.5.3 (1)

States that "storage cabinets are designed and constructed to limit the internal temperature at the center of the cabinet and 1 in. (25 mm) from the top of the cabinet to not more than 325° F (163°C), when subjected to a 10-minute fire test that simulates the fire exposure of the standard time-temperature curve specified in NFPA 251, Standard Methods of Fire Resistance of Building Construction and Materials, shall be acceptable. All joints and seams shall remain tight and the door shall remain securely closed during the test".

### NFPA 30 Chapter 9.5.3 (2) and OSHA 29 CFR 1910.106 (d)(3)(ii)(a)

State that "metal storage cabinets constructed in the following manner shall be acceptable:

- (a) The bottom, top, door and sides of the cabinet shall be at least No. 18 gauge sheet steel and shall be double-walled, with 1½ in. (38 mm) air space.
- (b) Joints shall be riveted, welded, or made tight by some equally effective means.
- (c) The door shall be provided with a three-point latch arrangement, and the door sill shall be raised at least 2 in. (50 mm) above the bottom of the cabinet to retain spilled liquid within the cabinet."

### OSHA 29 CFR 1910.106 (e)(2)(ii)(b)

States that "the quantity of liquid that may be located outside of an inside storage room or storage cabinet in a building or in any one fire area of a building shall not exceed:

- a. 25 gallons of Class 1A liquids in containers
- b. 120 gallons of Class 1B, 1C, or II or III liquids in containers
- c. 660 gallons of Class 1B, 1C, II or III liquids in a single portable tank"



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