

### About FM (Factory Mutual)

FM (Factory Mutual) was founded in 1897 and is the world's largest industrial and commercial life insurance company. Its customers cover 132 countries globally with a total of more than 10 million insurance programs. It provides a full range of insurance projects as well as engineering & technology-oriented risk management solutions. With one hundred years of rigorous scientific research and pioneering product testing technology, it is only natural that it attract some of the world largest and most successful technology giants. Therefore, it comes as no surprise that MRC clients expect nothing less than FM certified products to safeguard their livelihood.

### The significance of the FM Approval mark

FM provides testing and accreditation services to global industrial and commercial products through FM Approvals. FM Approvals is recognized as the top product testing and certification organization in the world, and is specified as the National Accreditation laboratory (NRTL) in the United States Occupational Safety and Health Administration (OSHA). It is also recognized by the American National Standards Institute (ANSI) as a standard-setting body. FM Approvals' comprehensive accreditation services, expertise and partnerships ensure that all their approved products and services can be released in the global market quickly. Any product affixed with the FM Approval mark has endured and passed the highest testing standards in the United States and the world. It is a symbol of quality excellence, a guarantee over fire prevention, work safety and environmental protection.

### SafetyStar® World-Class Products for Fire Prevention

Any flammable item should be stored appropriately in a safety storage cabinet. All SafetyStar® Series cabinets are FM Approved and comply with NFPA and OSHA regulations.

### Chemical Storage Direction and Cabinet Colors



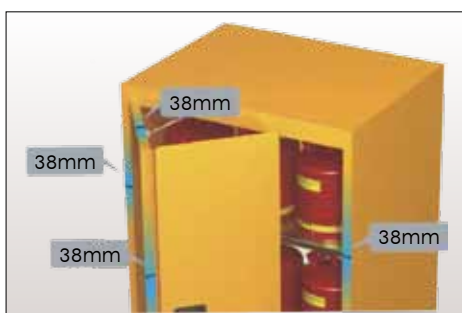
Yellow for flammable liquids



Red for combustible liquids



Blue for corrosive liquids



### Cabinet Construction

Double-wall cabinet construction with thickness of 1.2mm steel and 38mm air space efficiently isolates from combustion.

- Provides workers and environment optimum safety and quality assurance.
- Provides maximum property and asset protection.
- Prevents explosion, extension of a fire.

# S SAFETY CABINETS

Safety Comes from SafetyStar® Foresight Design and State of Art Technology



### Steel Piano Hinge

1.2mm steel continuous piano hinge provides smooth closure, reliable and durable use.



### Door Corners

Rounded corners avoid potential hand injury.



### Paddle Handle Latch

Eliminates projecting obstacles. Easy open & close.



### 3-Point Lock

Non-sparking, 3-point linked latching device provides better security.



### Dual Vents

Dual vents with flame arrester placed on both sides of the cabinets.



### Leak-Tight Sump

2 inch deep leak-tight containment sump for accidental drips & spills.



### Flame Arrester



### Levelers

4 full steel adjustable levelers installed in base for stability.



**For Fire Prevention, Work Safety, Environmental Protection. Reduces Your Industrial Safety Risks Once and for All.**

### Manual Closing

- Economical and practical type.
- Three cabinet styles: single-door cabinets, double-door cabinets and sliding-door cabinets.
- Non-sparking, 3-point linked latching device provides superior security.

### Self-Closing

- Three cabinet styles: single-door cabinets, double-door cabinets and sliding-door cabinets.
- Can stop at any position when opened between 90° ~ 180°. (sliding-door cabinets excluded)
- Built-in thermal-sensitive device releases and closes door automatically if the cabinet is exposed at 74°C.



Both manual & self-closing doors can be fully opened to 180°. Easy operation.



Steel adjustable shelves with 120kg loading capacity. Front & rear quick safety latch with closely integrated shelves & support frame reduces risks of collision.



Cabinet fire exposure test conducted by FM Approvals.

**Particular Purpose Storage Cabinets**

Designed for various operating environments and different usage purpose. Enables flexibility & improves work efficiency.



**CCG004 Series**

**Countertop Cabinets**  
Built-in adjustable shelves for storing small items with the same design & functions as other cabinets.



**CCE045/CCH022 Series**

**Gas Cylinder Cabinets**  
Built-in casting aluminum alloy U-shaped holder & adjustable nylon straps. Ideal to fix all kinds of gas cylinders. Slip steel ramp plate facilitates the cylinders up & down.



**CCK055 Series**

**Horizontal Drum Cabinets**  
Can house 55 gallons drums horizontally. Optional removable steel drum support.

**Undercounter Cabinets**

- Can be installed under work desks, laboratory tables & chemical fume hoods. Provides space-saving characteristics and offers convenient access to goods.

**CCI022 Series**



# S SAFETY CABINETS Flammable Liquids

## Single-Door Cabinets



Model	External Dimensions WxDxH mm(in.)	Internal Dimensions WxDxH mm(in.)	Capacity Gal.(L)	# of Shelves	Door Type
CCG004AAA	435 x 435 x 630 (17 x 17 x 25)	352 x 352 x 481 (14 x 14 x 19)	4(15)	1	Left hand / Self close
CCG012AAA	595 x 460 x 960 (23 x 18 x 38)	512 x 377 x 811 (20 x 15 x 32)	12(45)	1	Left hand / Self close
CCG015AAA	595 x 460 x 1190 (23 x 18 x 47)	512 x 377 x 1041 (20 x 15 x 41)	15(57)	1	Left hand / Self close
CCG004BAA	435 x 435 x 630 (17 x 17 x 25)	352 x 352 x 481 (14 x 14 x 19)	4(15)	1	Left hand / Self close
CCG012BAA	595 x 460 x 960 (23 x 18 x 38)	512 x 377 x 811 (20 x 15 x 32)	12(45)	1	Left hand / Self close
CCG015BAA	595 x 460 x 1190 (23 x 18 x 47)	512 x 377 x 1041 (20 x 15 x 41)	15(57)	1	Left hand / Self close
CCH022AAA	595 x 460 x 1720 (23 x 18 x 68)	512 x 378 x 1574 (20 x 15 x 62)	22(83)	3	Left hand / Self close
CCH054AAA	595 x 860 x 1720 (23 x 34 x 68)	512 x 778 x 1574 (20 x 31 x 62)	54(204)	3	Left hand / Self close
CCH022BAA	595 x 460 x 1720 (23 x 18 x 68)	512 x 378 x 1574 (20 x 15 x 62)	22(83)	3	Left hand / Self close
CCH054BAA	595 x 860 x 1720 (23 x 34 x 68)	512 x 778 x 1574 (20 x 31 x 62)	54(204)	3	Left hand / Self close
CCG004CAA	435 x 435 x 630 (17 x 17 x 25)	352 x 352 x 481 (14 x 14 x 19)	4(15)	1	Right hand / Self close
CCG012CAA	595 x 460 x 960 (23 x 18 x 38)	512 x 377 x 811 (20 x 15 x 32)	12(45)	1	Right hand / Self close
CCG015CAA	595 x 460 x 1190 (23 x 18 x 47)	512 x 377 x 1041 (20 x 15 x 41)	15(57)	1	Right hand / Self close
CCG004DAA	435 x 435 x 630 (17 x 17 x 25)	352 x 352 x 481 (14 x 14 x 19)	4(15)	1	Right hand / Self close
CCG012DAA	595 x 460 x 960 (23 x 18 x 38)	512 x 377 x 811 (20 x 15 x 32)	12(45)	1	Right hand / Self close
CCG015DAA	595 x 460 x 1190 (23 x 18 x 47)	512 x 377 x 1041 (20 x 15 x 41)	15(57)	1	Right hand / Self close
CCH022CAA	595 x 460 x 1720 (23 x 18 x 68)	512 x 378 x 1574 (20 x 15 x 62)	22(83)	3	Right hand / Self close
CCH054CA	595 x 860 x 1720 (23 x 34 x 68)	512 x 778 x 1574 (20 x 31 x 62)	54(204)	3	Right hand / Self close
CCH022DAA	595 x 460 x 1720 (23 x 18 x 68)	512 x 378 x 1574 (20 x 15 x 62)	22(83)	3	Right hand / Self close
CCH054DAA	595 x 860 x 1720 (23 x 34 x 68)	512 x 778 x 1574 (20 x 31 x 62)	54(204)	3	Right hand / Self close

Double-Door Cabinets



Model	External Dimensions WxDxH mm(in.)	Internal Dimensions WxDxH mm(in.)	Capacity Gal.(L)	# of Shelves	Door Type
CCE030AAA	1090 x 460 x 1190 (43 x 18 x 47)	1007 x 375 x 1041 (40 x 15 x 41)	30(114)	1	Self close
CCE045AAA	1007 x 460 x 1720 (43 x 18 x 68)	1007 x 375 x 1574 (40 x 15 x 62)	45(170)	2	Self close
CCE060AAA	860 x 860 x 1720 (34 x 34 x 68)	778 x 778 x 1574 (31 x 31 x 62)	60(227)	2	Self close
CCE090AAA	1090 x 860 x 1720 (34 x 34 x 68)	1007 x 778 x 1574 (40 x 31 x 62)	90(340)	2	Self close
CCE030BAA	1090 x 460 x 1190 (43 x 18 x 47)	1007 x 375 x 1041 (40 x 15 x 41)	30(114)	1	Manual
CCE045BAA	1090 x 460 x 1720 (43 x 18 x 68)	1007 x 375 x 1574 (40 x 15 x 62)	45(170)	2	Manual
CCE060BAA	860 x 860 x 1720 (34 x 34 x 68)	778 x 778 x 1574 (31 x 31 x 62)	60(227)	2	Manual
CCE090BAA	1090 x 860 x 1720 (43 x 34 x 68)	1007 x 778 x 1574 (40 x 31 x 62)	90(340)	2	Manual
CCI022AAA	1415 x 520 x 740 (56 x 20 x 29)	1332 x 434 x 591 (52 x 17 x 23)	22(83)	1	Self close
CCI022ABA	1415 x 520 x 570 (56 x 20 x 22)	1332 x 434 x 421 (52 x 17 x 17)	22(83)	1	Self close
CCI022ACA	1115 x 520 x 740 (44 x 20 x 29)	1032 x 434 x 591 (41 x 17 x 23)	22(83)	1	Self close
CCI022ADA	1115 x 520 x 570 (44 x 20 x 22)	1032 x 434 x 421 (41 x 17 x 17)	22(83)	1	Self close
CCI022BAA	1415 x 520 x 740 (56 x 20 x 29)	1332 x 434 x 591 (52 x 17 x 23)	22(83)	1	Manual
CCI022BBA	1415 x 520 x 570 (56 x 20 x 22)	1332 x 434 x 421 (52 x 17 x 17)	22(83)	1	Manual
CCI022BCA	1115 x 520 x 740 (44 x 20 x 29)	1032 x 434 x 591 (41 x 17 x 23)	22(83)	1	Manual
CCI022BDA	1115 x 520 x 570 (44 x 20 x 22)	1032 x 434 x 421 (41 x 17 x 17)	22(83)	1	Manual
CCK055AAA	760 x 1220 x 1220 (30 x 48 x 48)	677 x 1137 x 1193 (27 x 45 x 47)	1-55(208)	none	Self close
CCK055BAA	760 x 1220 x 1220 (30 x 48 x 48)	677 x 1137 x 1193 (27 x 45 x 47)	1-55(208)	none	Manual
CCL055AAA	860 x 860 x 1720 (34 x 34 x 68)	778 x 778 x 1574 (31 x 31 x 62)	1-55(208)	1	Self close
CCL055BAA	860 x 860 x 1720 (34 x 34 x 68)	778 x 778 x 1574 (31 x 31 x 62)	1-55(208)	1	Manual

# S SAFETY CABINETS

## Sliding-Door Cabinets



Model	External Dimensions WxDxH mm(in.)	Internal Dimensions WxDxH mm(in.)	Capacity Gal.(L)	# of Shelves	Door Type
CCF030AAA	1090 x 460 x 1190 (43 x 18 x 47)	1007 x 375 x 1041 (40 x 15 x 41)	30(114)	1	Left hand / Self close
CCF045AAA	1090 x 460 x 1720 (43 x 18 x 68)	1007 x 375 x 1574 (40 x 15 x 62)	45(170)	2	Left hand / Self close
CCF060AAA	860 x 860 x 172 (34 x 34 x 68)	778 x 778 x 1574 (31 x 31 x 62)	60(227)	2	Left hand / Self close
CCF090AAA	1090 x 860 x 1720 (43 x 34 x 68)	1007 x 778 x 1574 (40 x 31 x 62)	90(340)	2	Left hand / Self close
CCF030BAA	1090 x 460 x 1190 (43 x 18*47)	1007 x 375 x 1041 (40 x 15 x 41)	30(114)	1	Left hand / Manual
CCF045BAA	1090 x 460 x 1720 (43 x 18 x 68)	1007 x 375 x 1574 (40 x 15 x 62)	45(170)	2	Left hand / Manual
CCF060BAA	860 x 860 x 1720 (34 x 34 x 68)	778 x 778 x 1574 (31 x 31 x 62)	60(227)	2	Left hand / Manual
CCF090BAA	1090 x 860 x 1720 (43 x 34 x 68)	1007 x 778 x 1574 (40 x 31 x 62)	90(340)	2	Left hand / Manual
CCF030CAA	1090 x 460 x 1190 (43 x 18 x 47)	1007 x 375 x 1041 (40 x 15 x 41)	30(114)	1	Right hand / Self close
CCF045CAA	1090 x 460 x 1720 (43 x 18 x 68)	1007 x 375 x 1574 (40 x 15 x 62)	45(170)	2	Right hand / Self close
CCF060CAA	860 x 860 x 1720 (34 x 34 x 68)	778 x 778 x 1574 (31 x 31 x 62)	60(227)	2	Right hand / Self close
CCF090CAA	1090 x 860 x 1720 (43 x 34 x 68)	1007 x 778 x 1574 (40 x 31 x 62)	90(340)	2	Right hand / Self close
CCF030DAA	1090 x 460 x 1190 (43 x 18 x 47)	1007 x 375 x 1041 (40 x 15 x 41)	30(114)	1	Right hand / Manual
CCF045DAA	1090 x 460 x 1720 (43 x 18 x 68)	1007 x 375 x 1574 (40 x 15 x 62)	45(170)	2	Right hand / Manual
CCF060DAA	860 x 860 x 1720 (34 x 34 x 68)	778 x 778 x 1574 (31 x 31 x 62)	60(227)	2	Right hand / Manual
CCF090DAA	1090 x 860 x 1720 (43 x 34 x 68)	1007 x 778 x 1574 (40 x 31 x 62)	90(340)	2	Right hand / Manual

## Low Corrosive Liquid Storage Cabinets



In addition to flammable liquids, there are also a lot of corrosive chemical stored in the laboratories and industrial plants. safetystar® blue low-corrosive liquid storage cabinet is your best choice. double-wall 1.2mm steel plate structure, coated with a unique anti-corrosive baking paint for storage of low corrosive acid/alkali liquid includes low concentrations of chemical such as hydrochloric acid, sulfuric acid, nitric acid, ammonia and sodium hypochlorite.

- All SafetyStar® Series low corrosive liquid cabinets listed are FM Approved & comply with NFPA and OSHA regulations.
- Provides exactly the same functions and design characteristics as the flammable liquid storage cabinets.
- Double-wall cabinet construction with thickness of 1.2mm steel & 38mm air space efficiently isolates from combustion
- Non-sparking, 3-point linked latching device provides superior security.
- Dual vents with flame arrester placed on both sides of cabinets.
- Adjustable steel shelves for 120kg loading. Front and rear quick safety latch with closely integrated shelves & support frame reduces risks of collision.
- Optional high-strength anti-corrosive PP/PE material trays can be placed on the shelves and the sump for double anti-corrosion option.
- 2 inch deep leak-tight containment sump for accidental drips and spills.



\* For detailed product specifications, please refer to the flammable liquid storage cabinet section. The first 8 "ordering model" digits are the same as the flammable liquid storage cabinet + the end digit "B".

## Combustible Liquid Storage Cabinets



All safetystar® Series combustible liquid cabinets listed are fm approved and comply with nfpa and osha regulations.

- Same functions and design characteristics as the flammable liquid storage cabinets.
- Suitable for storing paints, inks and mineral oil.
- Double-wall cabinet construction with thickness of 1.2mm steel & 38mm air space efficiently isolates from combustion.
- Non-sparking, 3-point linked latching device provides superior security.
- Dual vents with flame arrester placed on both sides of the cabinets.
- Adjustable steel shelf can hold 120kg load.



\* For detailed product specifications, please refer to the flammable liquid storage cabinet section. The first 8 "ordering model" digits are the same as the flammable liquid storage cabinet + the end digit "C".

## Explosion-Proof Waste Chemical Storage Cabinets

This cabinet is used to store waste chemical and recyclable solvent. It can exhaust the gas outdoors to avoid waste solvent gas emitting into the work area.

- Chemical corrosion-resistance board.
- Walk-in hood.
- Hanging rail explosion-proof window.
- Explosion-proof grade control system.
- Modular structure, quick assembly and disconnect.

Model	Dimensions WxDxH mm
HAQ-180	1800 x 860 x 2225
HAQ-210	2100 x 860 x 2225

