

SAFETY CABINETS



mrc

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 |





SF004/SF012/SF022/SF045/SF060/SF090, Combustible Storage Cabinets

SF series high performance safety cabinets are produced strictly in accordance with OSHA29 CFR1910.106 and NFPA CODE30 standard, and pass through a third party authority the European CE certification, and the quality of product can meet and exceed the requirement of international market for safety storage product.

Safety storage cabinets series has yellow (yellow indicates flammable material), red (red indicates combustible materials), blue (blue indicates weak corrosive materials) three colors, three colors cabinets have the same size, but for different types of hazardous goods storage.

During the process of storing hazardous goods, using colored labels to identify, organize, separate with various of flammable or hazardous material, it will be convenient for firefighters to identify the hazardous material while there is a fire.

Applications:

SF series Red safety cabinets are used to store all kinds of corrosive material or weak acid and alkali, for example: Diesel oil, lubricating oil, tung oil, etc. According to the convenience of storing and using the items, to choose different specifications red safety storage cabinets, and separate all kinds of hazardous goods nice and easy, and improve your work efficiency by storing them at the nearest work area. These products are widely used in various fields such as medical and health care, research, industry, trade and commerce and so on.

SF series blue safety cabinets are used to store all kinds of corrosive material or weak acid and alkali, for example: acetic acid, carbonic acid, phosphoric acid, silicic acid, etc. According to the convenience of storing and using the items, to choose different specifications blue safety storage cabinets, and separate all kinds of hazardous goods nice and easy, and improve your work efficiency by storing them at the nearest work area. These products are widely used in various fields such as medical and health care, research, industry, trade and commerce and so on.

SF series yellow safety cabinet for storing all kinds of flammable materials, flash point below 45°C.

For example: gasoline, alcohol, kerosene, methanol, ethanol etc. In order to conveniently store & use the items, to choose different specifications yellow safety storage cabinets, & separate all kinds of dangerous goods nice and easy, the nearest store to improve your work efficiency. Products are widely used in various fields such as medical & health care, research, industry, trade & commerce & so on.



Product detail:

- All two layers anti-fire steel plate construction with 38mm insulation layer between two steel plates.
- Thickness 1.2mm high quality steel plate by spot welding method, longer life service, better fire prevention.
- 3-point latch with two keys, to open and close 180° easily, and there is optional padlock to realize safe management of double locks with two key holders.
- 5cm Anti leakage sump to keep the spill liquid in side.
- Professional standard warning label is obvious and clear.
- Two anti-fire double air vent, installed on the bottom or near by the top.
- Unique anti-leakage shelf can be adjusted up and down freely
- Piano hinge door is easy to close smoothly, the door can be opened and closed 180° freely.
- Welded shelf hanger to make sure the shelf of cabinet stable and strong.
- The inside and outside part of cabinet is painted with epoxy resin, retains high gloss look and minimizes the effect of corrosion and humidity.
- The cabinet is produced strictly in accordance with the OSHA standard, there is conduction port of static grounding set in the cabinet body which makes easier for static grounding wire connection.

| Model | Size (HxWxD) mm | Capacity (L) | Shelf | Weight (kg) | Door Type |
|-------|-------------------|--------------|----------------------------|-------------|-------------------------|
| SF004 | 560 x 430 x 430 | 15 | 1 galvanized steel shelves | 34 | Single door/Manual/Auto |
| SF012 | 890 x 590 x 460 | 45 | 1 galvanized steel shelves | 60 | Single door/Manual/Auto |
| SF022 | 1650 x 600 x 460 | 83 | 3 galvanized steel shelves | 90 | Single door/Manual/Auto |
| SF045 | 1650 x 1090 x 460 | 170 | 2 galvanized steel shelves | 138 | Double door/Manual/Auto |
| SF060 | 1650 x 860 x 860 | 207 | 2 galvanized steel shelves | 165 | Double door/Manual/Auto |
| SF090 | 1650 x 1090 x 860 | 340 | 2 galvanized steel shelves | 190 | Double door/Manual/Auto |



SF4P/SF12P/SF28P/SF30P/SF45P/SF60P/SF90P, Strong Acid & Alkali Cabinets

SF-P series strong acid and alkali storage cabinet is designed for storage and anti-leakage of strong corrosive chemical products. It is used to store strong corrosive chemical products (for example: sulfuric acid, muriatic acid, KOH and NaOH, etc. chemical material)

SF-P series strong acid and alkali storage cabinet can regularly manage and store chemical products with different property and hazardous level, reduce accidents.

Product features:

- With strong acid and alkali resistance and anti-corrosive characteristics.
- The top of cabinet is designed specially, which can be used as working table.
- Padlock design, which provide a higher lever security.
- The layer can be removed according to the requirement, & add new shelf based on the standard configuration to improve the space using rate.
- Reduce environment pollution, and protect safety of operator.

Product detail:

• **Material**

Body: Apply porcelain white PP (polypropylene) plate, have excellent anti-corrosive, to ensure the body strong and seal by using same color seamless welding treatment

Door: Apply same material PP board.

Shelf: Apply porcelain white PP (polypropylene) plane, vertical edges surround, inside part is using one piece welding, never patch with leftover

material. The whole part design is removable, which can be put in any proper layer, free combine with all space on each layer. The shelf can be placed both positive or negative, the vertical edge will have anti-leakage function if place it negative side.

• **Accessory**

Door handle: Apply injection molding PP material, with good anti-corrosive performance.

Door hinge: Apply injection molding PP material, with good anti-corrosive performance

Screws: Stainless 304 material.

Alarm sign: The cabinet door is pasted with alarming sign, to remind surround people to pay attention to be safety

• **Note**

It can be use for storage of various kinds of corrosive chemical product such as sulfuric acid, hydrochloric acid, nitric acid, acetic acid and sulfuric sulphonic acid, etc.



| Model | Size (HxWxD) mm | Shelf size(mm) | Shelf | Lock | Door Type |
|-------|-------------------|-----------------|-------------------------|--------|--------------------|
| SF4P | 560 x 430 x 430 | 404 x 394 x 40 | 1 piece and adjustable | Double | Single door/Manual |
| SF12P | 890 x 590 x 460 | 564 x 424 x 40 | 1 piece and adjustable | Double | Single door/Manual |
| SF28P | 900 x 910 x 600 | 884 x 424 x 40 | 1 piece and adjustable | Double | Double door/Manual |
| SF30P | 1120 x 1090 x 460 | 1064 x 424 x 50 | 1 piece and adjustable | Double | Double door/Manual |
| SF45P | 1650 x 1090 x 460 | 1064 x 424 x 50 | 2 pieces and adjustable | Double | Double door/Manual |
| SF60P | 1650 x 860 x 860 | 834 x 824 x 50 | 2 pieces and adjustable | Double | Double door/Manual |
| SF90P | 1650 x 1090 x 860 | 1064 x 824 x 50 | 2 pieces and adjustable | Double | Double door/Manual |

SF-G800/1600/819, Filtered Storage Cabinets

Advanced VOC Detector port detects pollution in time. With special alarm system alarms.

Unique designed LCD touch screen control system, which combine all data in one piece computer control panel easy to control fan speed and lighting etc. and convenient to set up and monitor all data.

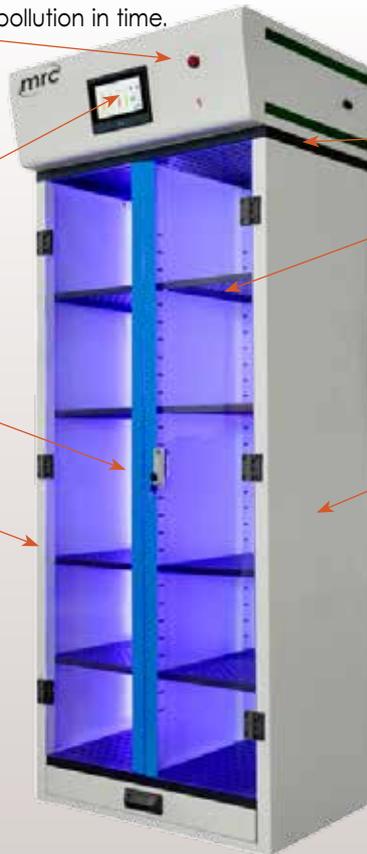
Optional lighting system controlled by control panel, easy to check and access inside product at night

Transparent acrylic glass with good anti-corrosive performance.

Silent turbine fan draws chemical vapors from bottles into a molecular filter with high absorption capacity. Various type filters to realize 99.99% high efficiently filtering.

Epoxy resin coated adjustable shelf with leaking holes. Which can be adjusted according to the size of vessel.

Gray finish paint wall with epoxy powder coated, with anti-corrosive & anti-rust performance.



| Model | Specification | Configure | Optional Parts |
|-------------------------------------|---|---------------------------------|--|
| SF-G800 | External Dimension (mm) W800 x D517 x H2360 | Filters (pcs) 8 Fans (pcs) 1 | Extra shelf Wheels PP tray Acid storage box |
| | Internal Dimension (mm) W708 x D450 x H1750 | Rated Voltage (V) 220~240 | |
| | Air Capacity (m ³ /h) 220 | Rated Current (A) ≤3 | |
| | Air Velocity Setting (m ³ /h) 0~230 | Frequency (HZ) 50~60 | |
| | Lifespan of Fans (h) ≥60000 | Light: Yes | |
| | Fan Power (W) 76 | Alarm: Yes | |
| | Fan Noise (dBA) ≤40 | Control system (set): 1 | |
| | Capacity L 160 bottle x 500ml | Shelves: 8 | |
| Loading capacity per shelf: 30kg | | | |
| SF-G1600 | External Dimension (mm) W1600 x D510 x H2395 | Filters (pcs) 8 Fans (pcs) 1 | |
| | Internal Dimension (mm) W1510 x D450 x H175 | Rated Voltage (V) 220~240 | |
| | Air Capacity (m ³ /h) 220 | Rated Current (A) ≤3 | |
| | Air Velocity Setting (m ³ /h) 0~230 | Frequency (HZ) 50~60 | |
| | Lifespan of Fans (h) ≥60000 | Light: Yes | |
| | Fan Power (W) 110 | Alarm: Yes | |
| | Fan Noise (dBA) ≤40 | Control system (set): 1 | |
| | Capacity L 320 bottle x 500ml | Shelves: 16 | |
| Loading capacity per shelf: 30kg | | | |
| SF-G819 | External Dimension (mm) W819 x D354 x H725 | Filters (pcs) 2 Fans (pcs) 1 | |
| | Internal Dimension (mm) W753 x D322 x H519 | Rated Voltage (V) 220~240 | |
| | Air Capacity (m ³ /h) 75 | Rated Current (A) ≤3 | |
| | Air Velocity Setting (m ³ /h) 0~230 | Frequency (HZ) 50~60 | |
| | Lifespan of Fans (h) ≥60000 | Light: Yes | |
| | Fan Power (W) 42 | Alarm: Yes | |
| | Fan Noise (dBA) ≤40 | Control system (set): 1 | |
| | Capacity L 48 bottle x 500ml | Shelves: 2 | |
| Loading capacity per shelf: 30kg | | | |

SF-WYRG03



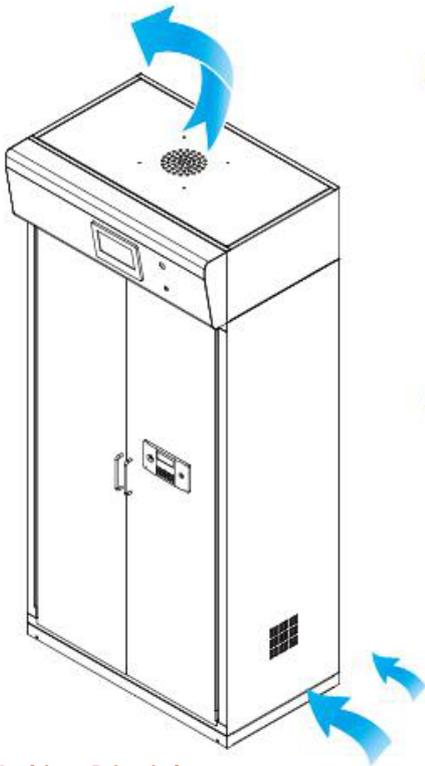
SF-WYRG03, Filtered Flammable & Toxic Storage Cabinet

Filtration series high performance ductless filtered flammable & toxic chemical storage cabinets are produced strictly in accordance with OSHA29 CFR1910.106, NFPA CODE30 and JG/T385 2012 standard, and pass through a third party authority the European CE certification, and the quality of product can meet and exceed the requirement of international market for safety storage product.

This ductless filtering storage cabinet series will store and filter the volatile, hazardous and toxic chemicals in the cabinet with anti-explosion and fireproof design, and protect around relative people from inside hazardous and toxic VOC.

Advantages:

- No duct, easy to install, no exhaust gas, modern and environmental protection.
- Optional filtration module system according to a variety of experiment needs.
- Advanced module filtration technology, full absorption of toxic vapor, particle & dust, etc.
- No consumption of air conditioning energy, high efficiently saving energy.
- Moving conveniently, nearby storage, easy to access, to improve the work efficiency.



Working Principle:

- The turbine motor draws the air from the outside of cabinet.
- The air brings the hazardous vapour into the filtration system.
- Choose a proper high efficient filter according to the chemicals.
- The hazardous air goes through molecular filter become fresh air.

Touch screen control system: Temperature, humidity and density etc. all data shows on one screen.

Electronic lock system with LCD screen, which is compliance with GA/T73 standard.

Fan & filter system automatically works when it detects a certain density pollution.

Electric power: is compliance with GB10409-2001, 5.5

Double locks should be controlled by two people.

All connecting screws and handle are 304 material.

Fireproof materials is between in two walls.





Features:

The internal liner of flammable poison storage cabinet (up, down, left, right liner) are all made of porcelain white PP (Polypropylene) board, there is a adjustable intake vent in the right side of cabinet, which has stainless adjustable valve. A landfill cavity can hold more than 120mm thickness sand on the right bottom of the cabinet (liquid leakage sump), use to bury metallic sodium, phosphorus (white phosphorus) and other flammable Items, apron and cabinet body should be connect as one part, there are 4 pieces Ø50mm rolling steel wheels set on the bottom of cabinet, easy to move the cabinet, there are 2 pieces adjustment lever on the front wheels, for fix the position of flammable poisons storage cabinet.



There are 3 pieces 3 layers stair style PP removable shelves, which are made of imported anti-corrosive white PP material, there is 10mm vent in the shelf.



Hinge: the hinge should be piano hinge, which ensure open the door 180°. There are expansive seals between the body and door of the cabinet, seals conform to the requirement of GB 16807-2009 (There should be installed the environmental thermal expansive seal between the cabinet door & cabinet. The seal partially expanded when the temperature is 150°C - 180°C, seals all expanded when the temperature reached 750°C, expansion ratio is 1:5, ensure the safety of storage medicine).



Temperature and humidity alarm device:

It should be installed a temperature and humidity controller, to monitor the relative temperature and humidity in the cabinet, digital display settings and measured values, it will alarm immediately once the temperature & humidity exceed the setting measured values
Silent turbine fan draws chemical vapors from bottles into filter system with high absorption capacity. No static, no spark and super silence motor.
Various type filters to realize 99.99% high efficiently filtering.

| Model | Specification | Configure | Optional Parts |
|-------------------|--|---------------------------------|----------------------------|
| SF-WYRG03 | Dimensions (mm) W1960 x D900 x H510 | Filters (pcs) 4 Fans (pcs) 1 | Shelf Wheels Filters |
| | Door: Double door | Shelf: 3 pp stair shelf | |
| | Lock: Electric lock | | |
| | Shelf: 3 pp Stair shelf | Control system (set): 1 | |
| | Colour: Yellow | | |
| | Noise: 40dBA | | |
| | Rated Voltage: 220v/50Hz | | |
| | Electric Powder: 40w | | |
| Rated current: 2A | | | |