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# INFITEK CO., LTD.
## PRODUCT BROCHURE

# Acid And Alkali Storage Cabinet

**SSC-4W SSC-12W SSC-28W SSC-30W SSC-45W SSC-60W SSC-90W**




## Application

Cabinet door:Apply 15mm PP(polypropylene) material.

PP laminate ,Separate extraction,Easy to clean

Bridge doorknob:PP(polypropylene) material with anti-corrosive performance

In order to provide safety,  double-lock structure can enhance the safety factor.

Cabinet body apply 8mm PP(polypropylene) plate with Seamless welding, beautiful appearance, with more than 10 years of service life.

Warning labels Doorknob is marked with a marked corrosive warning.

Hing: apply injection molding PP material with good anti-corrosive performance.

Apply PP(polypropylene) material, Longer service life, Quality guaranteed.

## Specifications

| Model | | SSC-4W | SSC-12W | SSC-28W | SSC-30W | SSC-45W | SSC-60W | SSC-90W |
|---|---|---|---|---|---|---|---|---|
| Parameter | Dimension(H*W*D)(mm) | 560×430×430mm | 890*590*460mm | 900*910*600mm | 1120*1090*460mm | 1650*1090*460mm | 1650*860*860mm | 1650*1090*860mm |
| | Specification | 4 gallon | 12 gallon | 28 gallon | 30 gallon | 45 gallon | 60 gallon | 90 gallon |
| | Standard laminate | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| Configure | | Single door ,double-lock | | Double door,double-lock | Double door,double-lock | | | |

# Chemical Safety Cabinet

**CSC-F800 CSC-F1600 CSC-F820**

## Features

Advanced VOC Detector port detects pollution.in time, with special alarm system.

Remote monitoring system: Users can view the device's running status and set the parameters by WeChat Alarm information can be sent to users when Malfunction.

Transparent acrylic glass with good anti-corrosive performance.

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

Silent turbine fan draws chemical vapors from bottles into a HEPA filte with high absorption capacity.No static, no spark and super silence motor. Various types of filters can realize 99.99% high eficienty filtering.

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

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




CSC-F800

## Reliability

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.











## Specifications

| Model | CSC-F800 | CSC-F1600 | CSC-F820 |
|---|---|---|---|
| Specification | | | |
| External Dimension(H*W*D)(mm) | 2070×800×510 | 2070×1600×510 | 772×819×350 |
| Internal Dimension(H*W*D)(mm) | 1604×797×475 | 1604×1594×475 | 520×816×338 |
| Shelf | 8 | 16 | 2 |
| Compression of shelf | 30kg | 30kg | 30kg |
| Air Capacity(m3/h) | 230$m^3$/h | 230$m^3$/h | 75$m^3$/h |
| Capacity | 160 bottles(500ml ) | 320 bottles(500ml ) | 48 bottles (500ml ) |
| Noise | 40 dBA | 40 dBA | 40 dBA |
| Voltage | 220V/50Hz | 220/50Hz | 220V/50Hz |
| Power | 42W | 42W | 42W |
| Rated currents | 2A | 2A | 2A |
| Configuration | | | |
| Filters(pcs) | 3 | 3 | 3 |
| Fans(pcs) | 1 | 1 | 1 |
| Door | Transparent door | Transparent door | Transparent door |
| Shelf | 8*movable PP pallet | 16*movable PP pallet | 2*movable PP pallet |
| Wheel | nylon wheels | nylon wheels | nylon wheels |
| Display screen | YES | YES | YES |
| Power cord(pcs) | 1 | 1 | 1 |
| Control system(unit) | 1 | 1 | 1 |
| Temperature and humidity alarm system | Yes | Yes | Yes |
| VOC alarm | Yes | Yes | Yes |
| Optional parts | | | |
| Light-blocking door | | | |
| HCL BOX | | | |
| Filter Model | SFGL OG: Organic filter | SFGL OG:Organic filter | SFGL OG: Organic filter |
| | SFGL AG: Inorganic filter | SFGL AG: Inorganic filter | SFGL AG: Inorganic filter |
| | SFGL FO:Formaldehyde filter | SFGL FO: Formaldehyde filter | SFGL FO: Formaldehyde filter |
| | SFGL AM:Ammonia filter | SFGL AM: Ammonia filter | SFGL AM: Ammonia filter |
| | SFGL H14: HEPA filter | SFGL H14: HEPA filter | |
| Filter Alarm | Ammonia gas alarm | | |
| | HCL alarm | | |
| | Formaldehyde alarm | | |

# Chemical Safety Cabinet

## SSC-151B








## Features

There is a φ150mm vent in the middle of the cabinet top and an AC220V,50HZ and 0.18A axial fan is disposed in the vent.

Piano hinges are used to ensure that the door can open 180 degree. Fireproof expansion seal is installed between the cabinet door and the cabinet and the seal meets the requirements of GB16807-2009.

The inner side (upper/lower/left/right liner panel) uses porcelain white PP (polypropylene resin) plates. The cabinet is disposed with three one-time forming three-layer staircase type PP polypropylene resin movable shelves and 10mm vents are disposed on the shelves.

## Specification

| Model | SSC-151B |
|---|---|
| Dimension(H*W*D)(mm) | 1840*900*510 |
| Door type | Double |
| Opening mode | Manual |
| Lock | Electronic combination lock with two locks |
| Plate | 3 PP staircase-type movable shelves |
| Color | Blue |
| Others | Time control switch |

# Chemical Safety Cabinet

## SSC-F910Y SSC-F910B

### Features

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 though molecular filter become fresh air

Touch screen control system:Temperature,humidity, density and other data are displayed on one screen

Fan and filter system automatically works

when it detects a certain density pollution.

Electric power： complies with GB10409 2001,5.5

Double locks should be controlled by two people

Fireproof material is between the two walls.

Electronic lock system with LCD screen, which is compliance with GAVT73 standard.

Electronic lock is compliance with GB 10409 20015.4

ALL connecting screws and handle are 304 material

The internal liner of flammable poison storage cabinet(up,down,ef,right liner) are all made of porcelain white PP(Polypropylene) board, and there is adjustable intake vent in the right side of cabinet,which has stainless adjustable valve. A landfill cavity can hold sand thicker than 120mm on the right bottom of the cabinet(liquid leakage sump),which is used to bury metallic sodium. Phosphorus(white phosphorus) and other flammable items,apron and cabinet body should be connected as one part. There are 4 pieces Φ50mm nylon wheels set on the bottom of cabinet,easy to move the cabinet , and 2 pieces adjustment lever on the front wheels ,for adjusting the level of flammable pensions storage cabinet.

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



SSC-F910Y



SSC-F910B





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

Temperature and humidity alarm device:It should be installed a temperature and humidity control,to monitor the relative temperature and humidity in the cabinet,digital display settings and measured values, and it will alarm immediately once the temperature and humidity exceed the setting measures 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 tape filters can realize 99.99% high efficiently filtering.

### Specifications

| Model | SSC-F910Y | SSC-F910B |
|---|---|---|
| Specification | | |
| External Dimension(H*W*D)(mm) | 1960*900*510mm | 1960*900*510mm |
| Door | Double door | Double door |
| Lock | Electric lock,Double lock | Electric lock,Double lock |
| Colour | Yellow | Blue |
| Noise | 40 dBA | 40 dBA |
| Rated Voltage | 220V/5OHz | 220V/50Hz |
| Electric Powder | 40w | 40W |
| Rated current | 2A | 2A |
| Configure | | |
| Filters(pcs) | 3 | 3 |
| Fans(pcs) | 1 | 1 |
| Shelf | 3 pp stair shelf | 3 pp stair shelf |
| Display screen | YES | YES |
| Power cord(pcs) | 1 | 1 |
| Control system(unit) | 1 | 1 |
| VOC and Temperature and humidity alarm system | YES | YES |
| Wheel | 4*Φ50mm nylon wheels | 4*Φ50mm nylon wheels |
| Optional parts | | |
| Filter alarm | Ammonia gas alarm | Ammonia gas alarm |
| | HCL alarm | HCL alarm |
| | Formaldehyde alarm | Formaldehyde alarm |
| Filters | SFGL OG: Organic filter | SFGL OG: Organic filter |
| | SFGL AG: Inorganic filter | SFGL AG: Inorganic filter |
| | SFGL FO: Formaldehyde filter | SFGL FO: Formaldehyde filter |
| | SFGL AM: Ammonia filter | SFGL AM: Ammonia filter |

# Chemical Safety Cabinet

**SSC-F1100 SSC-F1101**

## Features

Choose a proper high efficient filter according to the chemicals.

The hazardous air goes through molecular filter becomes fresh air.

The turbine motor draws the air from the outside of cabinet.

The air brings the hazardous vapour into the filtration system.

Activated carbon filter system with US imported fan.

Reflective warning label.

Galvanized removable shelf.

Double-wall 1.2mm steel plate with 38mm air insulating space.

Vent with anti-prevention.

ch screen computer control system monitors the humidity temperature and concentration in real time.

Accommodate with OSHA standard static grounding connector.

50mm leakage proof sump.

3-Point locking system: Double locks plus 3 latches, easy to open 180° cupboard door, equipped with double key, optional padlock, realizing double lock management.

A temperature and humidity controller is adopted, to monitor the relative temperature and humidity in the cabinet, digital display settings and measured values, and it will alarm immediately once the temperature and humidity exceed the setting 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 help realize 99.99% high efficiently filtering.








## Specifications

| Model | SSC-F1100 | SSC-F1101 |
|---|---|---|
| Specification | | |
| Dimension(H*W*D)(mm) | 1400*1090*460mm | 1930×1090×460mm |
| Door | Double door | Double door |
| Lock | 3-points lock | 3-points lock |
| Shelf | 1 galvanized shelf | 2 galvanized shelf |
| Colour | Yellow | Yellow |
| Noise | 40dBA | 40dBA |
| Rated Voltage | 220V/50Hz | 220V/50Hz |
| Electric Powder | 40W 2A | 40W |
| Rated current | 2A | 2A |
| Configuration | | |
| Filters(pcs) | 3 | 3 |
| Fans(pcs) | 1 | 1 |
| Display screen | YES | YES |
| Power cord(pcs) | 1 | 1 |
| Control system(set) | 1 | 1 |
| VOC Alarm system | YES | YES |
| Optional Accessories | | |
| Shelf | 0-2pcs | 0-3pcs，suggestion 2pcs |
| Filter alarm | Ammonia gas alarm | Ammonia gas alarm |
| | HCL alarm | HCL alarm |
| | Formaldehyde alarm | Formaldehyde alarm |
| Filters | SFGL OG: Organic filter | SFGL OG: Organic filter |
| | SFGL AG: Inorganic filter | SFGL AG: Inorganic filter |
| | SFGL FO: Formaldehyde filter | SFGL FO: Formaldehyde filter |
| | SFGL AM: Ammonia filter | SFGL AM: Ammonia filter |

# Chemical Safety Cabinet

**SSC-4Y SSC-12Y SSC-22Y SSC-30Y SSC-45Y SSC-60Y SSC-90Y**
**SSC-4R SSC-12R SSC-22R SSC-30R SSC-45R SSC-60R SSC-90R**
**SSC-4B SSC-12B SSC-22B SSC-30B SSC-45B SSC-60B SSC-90B**

## Features

* Double-walled steel structure with insulation for fire resistance
* High-quality galvanized laminate can be freely adjusted
* Three-point linkage door lock, optional padlock, to achieve double double lock safety management
* Professional standard warning labels
* Electrostatic spraying of epoxy resin
* Equipped with double vents for fire protection
* 50MM leak-proof liquid tank, so that the liquid that accidentally flows out does not overflow

## Specifications

| Model | External Dimension H*W*D(mm) | Internal Dimension H*W*D(mm) | Volume (L) | Volume (gallon) | Shelf | Weight | Configure | Package Dimension W*D*H(mm) |
|---|---|---|---|---|---|---|---|---|
| SSC-4Y<br>SSC-4R<br>SSC-4B | 560x430x430 | 460x350x330 | 15 | 4 | 1 | 35 | Single door/ Ground wire | 530*530*740 |
| SSC-12Y<br>SSC-12R<br>SSC-12B | 890x590x460 | 790x510x360 | 45 | 12 | 1 | 50 | Single door/ Ground wire | 700*550*1070 |
| SSC-22Y<br>SSC-22R<br>SSC-22B | 1650x600x460 | 1550x520x360 | 83 | 22 | 2 | 85 | Single door/ Ground wire | / |
| SSC-30Y<br>SSC-30R<br>SSC-30B | 1120X1090x460 | 1020x1010x360 | 114 | 30 | 1 | 90 | Double door/ Ground wire | 1180*550*1320 |
| SSC-45Y<br>SSC-45R<br>SSC-45B | 1650x1090x460 | 1550x1010x360 | 170 | 45 | 2 | 118 | Double door/ Ground wire | 1210*570*1840 |
| SSC-60Y<br>SSC-60R<br>SSC-60B | 1650x860x860 | 1550x780x760 | 227 | 60 | 2 | 140 | Double door/ Ground wire | / |
| SSC-90Y<br>SSC-90R<br>SSC-90B | 1650x1090x860 | 1550x1010x760 | 340 | 90 | 2 | 160 | Double door/ Ground wire | / |

Yellow safety cabinet is used to store various kinds of flammable products with flashing point under 45℃, for example, gasoline alcohol, kerosene methyl alcohol, ethyl alcohol, etc.



SSC-4Y SSC-12Y SSC-22Y SSC-30Y SSC-45Y SSC-60Y SSC-90Y

Red safety cabinet is used to store various kinds of combustible products with flashing point above 45℃, for example, diesel, engine oil, lubrication oil, etc.



SSC-4R SSC-12R SSC-22R SSC-30R SSC-45R SSC-60R SSC-90R

Blue safety cabinet is used to store various kinds of weak alkali, for example, acetic acid, carbonic acid, phosphoric acid, silicic acid, etc.



SSC-4B SSC-12B SSC-22B SSC-30B SSC-45B SSC-60B SSC-90B

# Chemical Safety Cabinet

**SSC-W4Y SSC-W12Y SSC-W22Y SSC-W30Y SSC-W45Y SSC-W60Y SSC-W90Y**
**SSC-W4R SSC-W12R SSC-W22R SSC-W30R SSC-W45R SSC-W60R SSC-W90R**
**SSC-W4B SSC-W12B SSC-W22B SSC-W30B SSC-W45B SSC-W60B SSC-W90B**



SSC-W4Y SSC-W12Y SSC-W22Y SSC-W30Y SSC-W45Y SSC-W60Y SSC-W90Y



SSC-W4R SSC-W12R SSC-W22R SSC-W30R SSC-W45R SSC-W60R SSC-W90R



SSC-W4B SSC-W12B SSC-W22B SSC-W30B SSC-W45B SSC-W60B SSC-W90B





## Description

The Chemical Safety Cabinet provides secure storage solutions for hazardous materials and chemicals, enhancing hazard identification, storage organization, and chemical compatibility management.

## Features

- Cabinet Body: Double-walled fire-resistant steel plate structure with a 38 mm insulation layer;
- Door Panel: ≥1.0 mm high-quality double-walled cold-rolled steel plate;
- Lock: Double locks with three-point linkage;
- Hinges: Piano hinges;
- Ventilation: Double air vents equipped with fire-arresting devices;
- Coating: Epoxy resin electrostatic spraying;
- Grounding: Electrostatic grounding conduction port;
- A 50 mm high leak-proof sump prevents accidental spills from overflowing;

## Specifications

| Model | External Dimensions (H*W*D) (mm) | Capacity (gal/L) | Lock | Shelf Load Capacity | Shelf Dimensions (mm) | No. of Shelves | G.W. (kg) |
|---|---|---|---|---|---|---|---|
| SSC-W4Y<br>SSC-W4R<br>SSC-W4B | 560x430x430 | 4 / 15 | Double lock | 120 kg | 348x300x25 | 1 | 25 |
| SSC-W12Y<br>SSC-W12R<br>SSC-W12B | 890x590x460 | 12 / 45 | Double lock | 120 kg | 508x360x25 | 1 | 40 |
| SSC-W22Y<br>SSC-W22R<br>SSC-W22B | 1650x590x460 | 22 / 83 | Double lock | 120 kg | 530x370x25 | 3 | 65 |
| SSC-W30Y<br>SSC-W30R<br>SSC-W30B | 1120x1090x460 | 30 / 114 | Double lock | 120 kg | 1008x360x25 | 1 | 75 |
| SSC-W45Y<br>SSC-W45R<br>SSC-W45B | 1650x1090x460 | 45 / 167 | Double lock | 120 kg | 1008x360x25 | 2 | 95 |
| SSC-W60Y<br>SSC-W60R<br>SSC-W60B | 1650x860x860 | 60 / 227 | Double lock | 120 kg | 778x760x25 | 2 | 110 |
| SSC-W90Y<br>SSC-W90R<br>SSC-W90B | 1650x1090x860 | 90 / 340 | Double lock | 120 kg | 1008x760x25 | 2 | 130 |
| Optional Accessories | （1）Self-closing door （2）Movable casters （3）Shelves （4）PP tray | | | | | | |

# Chemical Safety Cabinet

## CCC-101 CCC-201 CCC-301




CCC-101

- Compartment: 1, 2, 3
- Material: Cold-rolled steel plate (exterior) / PP (interior)
- Shelves: 1 × PP shelf, 2 × PP shelves, 3 × PP shelves
- Storage Capacity: 18 / 36 / 54 × 500 ml reagent bottles




CCC-201

## Features

Double-walled structure: The outer shell is made of ≥1.0 mm high-quality cold-rolled steel plate; the inner liner is made of one-piece injection-molded PP material, with reserved detachable ventilation ports;

The cabinet surface features an electrostatic epoxy resin coating with a coating thickness exceeding 80μm;

PP

The shelves are spill-proof PP trays, effectively preventing reagent slippage and tipping risks.








CCC-301

Equipped with a detachable base and Ø64 mm nylon casters for easy mobility of the cabinet;

Features a three-point linkage dual-lock structure; cabinet doors are available in yellow, red, blue, and white;

Heavy-duty piano hinge design ensures the doors remain deformation-free over long-term use;

The cabinet has a reserved grounding device and comes with a 1 m grounding cable;

Reserved structures for installing ventilation, filtration, purification, and lock control systems, facilitating future product upgrades.

## Specifications

| Model | CCC-101 | CCC-201 | CCC-301 |
|---|---|---|---|
| External Dimensions(H*W*D) | 680x430x570 mm | 1240x430x570 mm | 1800x430x570 mm |
| Shelf Dimensions(H*W*D) | 50x300x330 mm | 50x300x330mm | 50x300x330mm |
| Shelves | 1 × PP shelf | 2 × PP shelves | 3 × PP shelves |
| Structure | 1 compartment, 1 column | 2 compartments, 1 column | 3 compartments, 1 column |
| Static Grounding Clamp | 1 set | 1 set | 1 set |
| Lock | 1 set of dual mechanical locks | 2 sets of dual mechanical locks | 3 sets of dual mechanical locks |
| Storage Capacity | 18 × 500 ml reagent bottles | 36 × 500 ml reagent bottles | 54 × 500 ml reagent bottles |
| Optional | Time-controlled fan system, or time-controlled system with temperature and humidity monitoring and alarms | | |

# Gas Cylinder Storage Cabinet

## GCSC-1 GCSC-2 GCSC-3

### Features

Cabinet body: high-quality cold-rolled steel plate, pickled and phosphated, and the surface is electrostatically sprayed with epoxy resin to achieve the effect of anti-acid and alkali and anti-rust.

Door panel: It adopts detachable hinges, with windows on the front, and the windows are explosion-proof glass.

PASS hole: A PASS hole is provided on the side of the cabinet to ensure the gas flow in the cabinet.

Fixed chain: a fixed chain is used inside to prevent the gas cylinder from tipping over.

Pedal: An adjustable pedal is provided at the bottom of the cabinet to facilitate the loading and unloading of gas cylinders.

Handle: Uses embedded high-strength handle.

### Product technical requirements

All-steel craftsmanship, soft lines, good load-bearing capacity, flexible combination, easy for maintenance, easy to install and transport, beautiful and generous appearance design; shape error value: length, width, height ≤ 3mm; cabinet diagonal or frame diagonal ≤1000mm, the allowable error value of the adjacent side verticality is ≤3mm, and the allowable error value of the adjacent side verticality is ≤4mm.

### Remarks: combustible gas

Coal gas CO, liquefied petroleum gas, acetylene C2H2, propyne C3H4, butyne C4H6, methane CH4, ethane C2H6, propane C3H8, butane C4H10, cyclopropane C3H6, ethylene C2H4, propylene C3H6, butene C4H8, butadiene C4H6 , Vinyl chloride C2H3CL, chloropropylene C3H5CL, hydrogen H2, hydrogen sulfide H2S, phosphine PH3, methylamine CH3NH2, ethylamine CH3CH2NH2, aniline C6H5NH2, dimethylamine (OH3) 2HN, formaldehyde HCHO, acetaldehyde C2H4O, carbon monoxide CO, Toluene C6H5CH3. . . . . .

### Remarks: Toxic and harmful gas

Sulfur dioxide SO2, sulfur trioxide is SO3, nitric oxide NO, nitrogen dioxide NO2, nitrous oxide N2O3, nitrous oxide N2O4, nitrous oxide N2O5, nitrous oxide N2O, ozone, fluorine to hydrogen, chlorine , Hydrogen chloride, organic halides, hydrocarbons, benzene, formaldehyde, volatile phenol, mercury vapor, sarin, radon gas, phosgene. . . . . .

### Gas cabinet

The gas cabinet is the main product for storing gas cylinders in laboratory furniture. The purpose is to keep the gas cylinders in the laboratory safely and properly.



### Specifications

| Model | GCSC-1 | GCSC-2 | GCSC-3 |
|---|---|---|---|
| Size (H*W*D) | 1900*600*450 (mm) | 1900*900*450 (mm) | 1900*1000*450 (mm) |
| Color | Yellow | Yellow | Yellow |
| Material | High quality cold rolled steel | High quality cold rolled steel | High quality cold rolled steel |
| Appearance | Epoxy paint | Epoxy paint | Epoxy paint |
| Volume | 1 gas cylinder storable | 2 gas cylinder storable | 3 gas cylinder storable |