

# Acid and Alkali Cabinet

## FM-AAC-A100



**Operational Manual**

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## 1. Introduction

**Acid and Alkali Cabinet FM-AAC-A100** is made to be mounted on a wall and is perfect for storing acid and alkali substances. It has double air vents with anti-fire devices for safety. The shelves are adjustable, making it easy to organize your storage space. Enhanced with a strong double-lock mechanism, ensuring security and safe storage.

## 2. Features

- Includes an electrostatic grounded conductive port.
- Double air vents with anti-fire devices for enhanced safety.
- Constructed with a robust double layer of 1.0mm cold-rolled steel.
- Acid and Alkali Cabinet features adjustable anti-leakage shelves.

## 3. Specifications

<b>Model No.</b>	<b>FM-AAC-A100</b>
<b>Capacity</b>	30 Gallons
<b>Material</b>	Double layer 1.0mm cold rolled steel
<b>Color</b>	Blue
<b>No of Shelves</b>	1
<b>External Dimension (W×D×H)</b>	1090 × 460 × 1120 mm
<b>Packing Dimension (W×D×H)</b>	1110 × 500 × 1140 mm
<b>Net Weight</b>	60 Kg
<b>Gross Weight</b>	70 Kg

## 4. Applications

Acid and alkali cabinets are vital for safely storing corrosive substances in laboratories, industrial settings, and educational institutions.

### 5. Installation

#### **Installation Location Requirements**

- The cabinet must be mounted in a well-ventilated, dry, and level area to ensure optimal performance and safety.
- Do not place the cabinets directly under conditions of direct sunlight or exterior heat sources.
- Maintain a safe distance from ignition sources and materials that are chemically incompatible with the cabinet's contents.

### 6. Operations

#### **Opening and Locking**

Use the provided key to operate the three-point locking system, which locks the cabinet at the top, middle, and bottom for enhanced safety.

Once unlocked, the doors can be opened fully to a 180° angle, allowing convenient and clear access to the cabinet's contents.

### 7. Maintenance

- 1) Clean interior and exterior surfaces regularly using a mild detergent.
- 2) Do not use abrasive cleaners or solvents.
- 3) Check vents and fire arrestors monthly to ensure they are free from blockages.
- 4) Lubricate door hinges annually for smooth operation
- 5) Store only mildly corrosive substances.
- 6) Avoid overloading shelves and ensure weight is evenly distributed.
- 7) Use containers with clear labels and arrange them according to hazard level.
- 8) Use chemical-resistant gloves and neutralizing agents in case of a spill.
- 9) Adjust the height of the spill-proof shelves as required.
- 10) Ensure that all shelf brackets are properly secured before use.
- 11) Before disposal, remove all chemicals and clean the cabinet thoroughly.
- 12) Dispose of according to local hazardous waste and metal recycling regulations.



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