



TECHNICAL DATA SHEET

SE490300

90 Minute Fire-resistant Safety Storage Cabinet 2 Semi Self-closed Door 30Gal / 114Ltr

Product Introduction:

Sysbel 90-minute Safety Storage Cabinet is meticulously designed for maximum safety and compliance, featuring high-strength steel construction with multi-layer fireproof insulation. It includes automatic door closure at 122°F (50°C), heat-sensitive seals, and adjustable shelving up to 75kg per shelf. Each door is secured with a cylindrical lock and labeled for emergency visibility. Compliant with EN 14470-1, NFPA 30, and OSHA standards, and TÜV certified for fire safety, it's ideal for labs, industrial sites, and environments handling flammable materials.



Door Operation



Ventilation



Adjustable Self



Reflective Label



Features:

- **Construction and Durability:** Made of high-strength steel plate with electrostatically sprayed orange-stripe moulding powder. Surface is easy to clean, scratch-resistant, impact-resistant, and durable. Multi-layer fireproof gypsum board insulation for fire prevention in cabinet compartments.
- **Door Operation and Safety:** Semi-automatic door can be manually opened or closed under normal conditions. Built-in fuse connection system automatically closes the door at 122°F (50°C) during a fire to protect stored items. Damping screw adjusts door force for smooth operation.
- **Ventilation and Fire Protection:** Baffle plates of ventilation holes automatically close at 158°F (70°C) during a fire. Ventilation system can connect to exhaust pipes or circulating air filters.
- **Sealing and Safety Measures:** Heat-sensitive materials in door and joint areas expand during fire to seal interior gaps.
- **Security Features:** Each door has a separate cylindrical lock to prevent unauthorized access.
- **Reflective warning labels:** For visibility during emergencies.
- **Leakage Control:** Detachable bottom leakage groove with guide plates on three sides. Perforated inserts effectively catch and contain liquid spills from shelves.
- **Shelving and Load Capacity:** Includes 3 adjustable steel laminates with 32mm spacing intervals. Each shelf supports up to 75kg and features a 30mm turn-up to prevent spills.
- **Adjustability and Stability:** Adjustable levelling feet at the bottom ensure stability on uneven surfaces.
- **Grounding and Safety Standards:** Electrostatic grounding conductive port facilitates static grounding conductor connection.
- **Compliance and Certification:** Complies with EN 14470-1, NFPA 30, and OSHA regulations. Passed independent fire testing by TÜV and is TÜV certified.



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90 Minute Fire-resistant Safety Storage Cabinet



Product Specifications:

Model :	SE490300
Construction :	18 Ga steel plates
Type :	EN Fire Resistant Cabinet
Fire Resistance :	90 Minute
Volume :	30 Gal / 114 Ltr
Door Type:	Semi Self-closed Double Door
Colour :	Yellow
Adjustable Laminated Self :	3pcs
Shelf Load Bearing :	75 Kgs
Bottom Leak Tank Capacity :	30 Ltr
External Dimension (CM) :	H204 x W 60 x D 62.5
Outlet Connection Ø :	100 mm
Certification :	EN14470-1

Benefits:

- **Enhanced Fire Protection:** Designed to withstand fire for up to 90 minutes, providing crucial time for evacuation and minimizing damage to stored flammable materials.
- **Regulatory Compliance:** Cabinets ensure compliance with OSHA and NFPA regulations, avoiding fines and legal liabilities.
- **Improved Workplace Safety:** Proper storage reduces the risk of spills and exposure to hazardous substances, enhancing overall safety.
- **Organized Storage:** Cabinets provide structured storage, improving inventory management and enabling quick access during emergencies.
- **Risk Mitigation:** Designed for safe storage, cabinets reduce risks of explosions, fires, and accidents.
- **Enhanced Emergency Response:** Cabinets facilitate safe access to hazardous materials during emergencies, aiding quick and effective response efforts.

Application:

Flammable cabinets play essential roles in various industries and environments where safe storage of flammable liquids and chemicals is critical, including environments handling flammable substances.

- **Laboratories**
- **Industrial Facilities**
- **Pharmaceutical Industry**
- **Chemical Industry**
- **Paint and Coating Industry**
- **Maintenance Workshops**
- **Oil & Gas Industry**
- **Aircraft Maintenance Facilities**
- **Food & Breweries**
- **FMCG**