

Flammable and Combustible Liquids – Storage Cabinets



Flammable storage cabinets may reduce ignition sources, but they're also used to increase the quantity of flammables stored within a building. By keeping combustibles and flammables in a cabinet, you delay involving the contents if there's a fire. If fire cabinets are used for flammable liquids storage, the storage must meet these requirements:

- The amount of flammable liquids in a cabinet are limited to the chart below. Only the amount below can be stored in a control area. You can have additional control areas in a building by having a one hour fire wall between control areas.
- The amount of storage in a control area can be increased by 100% if the building is properly protected with an automatic sprinkler installed per NFPA 13, Standard for the Installation of Sprinkler Systems.
- Storage cabinets must be designed and constructed to limit the internal temperature to no more than 325°F when subjected to a standardized 10-minute fire test.
- The bottom, top, door, and sides of metal cabinets must be at least No. 18 gauge sheet metal and double walled with 1½-inch air space.
- The door must have a three-point lock.
- The doorsill must be raised at least two inches above the bottom of the cabinet.
- If the volume of storage is more than these guidelines, an approved flammable liquid storage room must be constructed.
- Storage cabinets must be marked in conspicuous lettering: "FLAMMABLE — KEEP FIRE AWAY."

Maximum quantities *inside* a flammable storage cabinet:

	Class	Quantity
Flammable Liquids	IA	60 Gallons
	IB and IC	240 Gallons
	IA, IB, IC Combined	240 Gallons
Combustible Liquids	II	240 Gallons
	IIIA	660 Gallons
	IIIB	26,400 Gallons

For more information about the safe handling, transfer, and storage of flammable and combustible liquids, please also see West Bend Technical Bulletins: Flammable and Combustible Liquids – Storage, Flammable and Combustible Liquids – Storage Rooms, and Grounding and Bonding.

