

DENIOS INFO

Large Volume Cabinets for Hazardous Materials

Contact us!

1-800-216-7776



Long the icon of DENIOS, HazMat Cabinets provide the most efficient design for the storage of flammables and other regulated chemicals. Used primarily for palletized drum and IBC storage, Cabinets provide safe and immediate access to all materials from outside the enclosure. This is in contrast to pre-fabricated Buildings that nearly always require the man-handling of individual drums into and out of the structure normally using ramps and hand-trucks. When the application is for storage only, non-occupancy Cabinets are the best designs to choose. Conversely, when drums must be handled by hand, or other activities such as pumping, dispensing and bulking are a part of the application, then pre-fabricated Buildings are the recommended design.



Why a DENIOS Cabinet?

The fastest, most efficient and safe method of moving drums is to keep them on pallets and use a forklift. Full drums commonly weigh over 500 pounds. Moving this mass using a hand-truck is difficult and can be dangerous as well. Using a Cabinet designed for pallets promotes safety and productivity with every drum moved.

DENIOS' design of multi-tiered storage saves valuable facility space without compromising the ability to access each individual pallet or IBC individually.

Storing drums in a Cabinet allows visual inspection of the various pallets. This simplifies the taking of inventories or audits of product. It is not necessary to move numerous drums in order to access or view a hidden drum.

Non-occupancy design of Cabinets is preferred for personnel. With all materials moved via forklift, personnel are not required to enter a cramped Building or Locker to maneuver drums by hand.

All material handling is executed by machine outside the Cabinet. Cabinets are normally delivered in a single unit, ready for placement. They are easily relocated as facility requirements change. Using individual Cabinets provides complete physical separation from the rest of the surrounding facility and from other incompatible chemicals or ignition sources.

Sizes and Construction:

With 48 standard configurations of base models, DENIOS HazMat Storage Cabinets offer more variety and flexibility than anyone.

Construction is based upon individual storage bays sized for 2 or 3 pallets of drums or 2 or 3 IBC's. Bays are arranged in configurations offering single, double or triple tier heights. Models are available with single sided or double sided access (back-to-back bays). Over height and all 3-tier Cabinets are designed to be delivered in 2 sections and assembled on site. Integral to each unit is a time-tested construction that utilizes an 11-gauge solid welded structural tube frame. The base of each unit incorporates a 100% tested and certified leak-free spill containment sump. Specific designs are approved and listed by FM.

All units are built to allow outdoor placement. Door styles vary with Cabinet size and application. All equipment is installed in accordance with applicable codes for hazardous locations.

Applicable Regulations:

As with any equipment for storing hazardous liquids, spill containment requirements are regulated by the EPA (40 CFR). Cabinets like pre-fabricated Buildings and Lockers; meet these federal requirements. Further, regulations require that spill sumps be protected from rain water, or be sized to handle both record rain and a major spill. DENIOS Cabinets protect product and sump alike.

DENIOS follows NFPA 30 regulations for specification compliance for outdoor (Flammable Storage Lockers) as well as indoor (Inside Liquid Storage Rooms) placement. Although not designated as Occupancies or Structures, loads such as seismic, wind and roof loading generally follow the same guidelines as provided for pre-fabricated buildings. Cabinet designs are able to be provided with 3rd Party Engineering Approvals as well as FM Approval Labels if required.

Due to local code variance and different enforcement philosophies, DENIOS always recommends checking with the local Authority Having Jurisdiction to verify that a specific configuration will comply with local codes.

Common Applications for Multi-tiered Cabinets:

- Segregated indoor storage of flammable or other process chemicals
- Separation of flammable liquids from general warehousing areas
- Temperature controlled outdoor storage of raw materials
- Higher volume waste accumulation and storage areas

Options and Customization:

DENIOS Cabinets are available with a variety of standard options. Our expert technical sales staff working directly with the customer and our Engineering Department is able to provide a complete evaluation of your specific needs, account for the applicable regulations, and propose a custom system specifically tailored to your application.

Contact us without obligation to discuss your needs.