

DENIOS

ENGINEERING

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Chemical Storage and Hazardous Process
Containment Technology



Chemical Storage Cabinets
Chemical Storage Buildings
Customized Enclosures — Temperature
Controlled and Fire Rated Designs
Chemical Storage Lockers
Steel Spill Decking Systems
Automatic Doorway Spill Barriers
Large Capacity Containment
Berms — The HazBerm

The environment's partner

Quality direct from the manufacturer: **CERTIFIED** and **AUTHORIZED**

Table of Contents

Introduction

- 4 Overview – Codes and Regulations Governing the Storage of Hazardous Chemicals and Processes

DENIOS Storage Non-Occupancy Buildings

- 6 Introduction to Chemical Storage Non-Occupancy Buildings
- 8 FM Approved Storage Non-Occupancy Buildings for Drums / IBC Totes
- 9 FM Approved Storage Non-Occupancy Buildings for Drums
- 10 FM Approved Storage Non-Occupancy Buildings for IBC Totes
- 11 FM Approved Storage Non-Occupancy Buildings for Drums / IBC Totes – 2-Hour and 4-Hour Fire Rated, Single Sided Access
- 12 Storage Non-Occupancy Buildings for IBC Totes – Single Sided Access
- 14 Storage Non-Occupancy Buildings for IBC Totes – 2-Hour Fire Rated, Single Sided Access
- 15 Storage Non-Occupancy Buildings for IBC Totes – 4-Hour Fire Rated, Single Sided Access
- 16 Storage Non-Occupancy Buildings for IBC Totes – Double Sided Access
- 18 Storage Non-Occupancy Buildings for IBC Totes – 2-Hour Fire Rated, Double Sided Access
- 19 Storage Non-Occupancy Buildings for IBC Totes – 4-Hour Fire Rated, Double Sided Access
- 20 Storage Non-Occupancy Buildings for Drums – Single Sided Access
- 22 Storage Non-Occupancy Buildings for Drums – 2-Hour Fire Rated, Single Sided Access
- 23 Storage Non-Occupancy Buildings for Drums – 4-Hour Fire Rated, Single Sided Access
- 24 Storage Non-Occupancy Buildings for Drums – Double Sided Access
- 26 Storage Non-Occupancy Buildings for Drums – 2-Hour Fire Rated, Double Sided Access
- 27 Storage Non-Occupancy Buildings for Drums – 4-Hour Fire Rated, Double Sided Access
- 28 Horizontal Storage Non-Occupancy Buildings
- 29 Custom Engineered Storage Non-Occupancy Buildings
- 30 Temperature Controlled Storage Non-Occupancy Buildings

DENIOS Storage Occupancy Buildings

- 32 Introduction to Chemical Storage Occupancy Buildings
- 34 Standard Storage Occupancy Buildings – 8' Depth
- 36 Premium Storage Occupancy Buildings – 8' Depth
- 38 Premium Storage Occupancy Buildings – 10' Depth
- 39 Premium Storage Occupancy Buildings – 12' Depth
- 40 Premium Storage Occupancy Buildings – Fire Rated
- 48 Custom Engineered Storage Occupancy Buildings
- 50 Temperature Controlled Storage Occupancy Buildings
- 52 Non-Occupancy and Occupancy Building Options

DENIOS Storage Lockers

- 54 Introduction to Chemical Storage Lockers
- 56 K-Series Storage Lockers
- 57 K-Series Storage Lockers- Shelf Package
- 58 PK-Series Storage Lockers
- 60 N-Series Storage Lockers
- 63 IBC Storage Lockers
- 65 Specialty Storage Lockers
- 66 Custom Engineered Storage Lockers
- 67 Storage Locker Options
- 68 Enclosed HazMat Stations

DENIOS Liquid Barriers

- 70 Large Area Spill Containment
- 71 HazBerm
- 72 Automatic Doorway Spill Barriers
- 74 FM Approved Flood Barrier
- 75 Manual Doorway Spill and Flood Barriers



Heated Non-Occupancy Building for processing stored chemicals.



DENIOS,
your partner
in safety and
environmental
protection

For over 25 years DENIOS has been the worldwide leader in the design and manufacture of custom engineered chemical storage structures. Working directly with our customers we help assess risks and provide solutions for the safe storage and containment of hazardous chemicals and processes.

DENIOS ENGINEERING provides you

A complete understanding of hazardous chemicals and chemical processes. Our Technical Sales and Engineering Staff know specific chemicals and the risks they pose to facilities, personnel, and the environment. They will work with you every step of the way in designing a safe storage solution for your individual applications.

Expertise in helping you meet applicable laws and regulations. DENIOS not only knows the regulations, we work directly with leading insurers, risk managers, and government authorities in developing new equipment or setting performance standards for existing designs and construction. We will work with you in meeting Federal standards as well as those of your local authorities, helping make sure your DENIOS products are in complete compliance.

When we put a DENIOS label on your product it's to let you know we stand behind what we design and manufacture, and that we're here for you well after the sale is completed.

Overview – Codes and Regulations Governing the Storage of Hazardous Chemicals and Processes

Introduction

Governmental codes and regulations dictate the correct selection and placement of hazardous chemical storage Lockers, Non-Occupancy Buildings and Occupancy Buildings. The characteristics of the stored material i.e. flammability, pH, material storage temperature, the size and type of container(s), the total quantity stored, and the storage location in relation to other structures will determine which code(s) and regulations pertain to your application.

Regulations and Codes of note that may affect your storage application are NFPA 30 “Storage of Flammable Liquids”, the IBC and IFC “International Building Code” and International Fire Code”, as well as the code of Federal regulations 40 CFR 264.175 concerning containment and 29 CFR 1910 (OSHA). Additionally independent third party testing agencies such as Factory Mutual have developed standards for the storage of flammable and other hazardous materials. DENIOS sells and produces Factory Mutual approved products.

DENIOS sales and engineering professionals are well versed in the requirements of National codes as they pertain to the storage of hazardous chemicals. However, the local code enforcement official or “Authority Having Jurisdiction” is the official closest to the situation with the responsibility to interpret the applicable codes in the light of all local factors. The local “AHJ” should always be consulted before purchasing any type of hazardous material storage equipment. DENIOS is always available to assist its customers with supplementary information to support approval process.

DENIOS’ Quality Assurance Program

As part of our ongoing commitment to quality, DENIOS maintains a formalized, structured Quality Assurance Program. This program mandates that designs are checked and rechecked by 3rd Party Engineering firms for structural loading, seismic, and other code compliance factors.

DENIOS equipment is also engineered to satisfy any number of regulatory agencies including:

- NFPA – National Fire Protection Association
- IBC – International Building Code
- EPA – Environmental Protection Agency
- OSHA – Occupational Safety and Health Administration
- FM / FM Global – Factory Mutual Research
- State Approval Departments

Relating to equipment manufacture, our Quality Assurance Program also insures all products are thoroughly inspected and tested before shipping. Tests range from, but are not limited to, pre-paint sump weld leak tests to temperature control tests for our heated and cooled structures. Testing is documented and overseen by our Engineering, Technical Sales, and Production staffs.

The DENIOS System

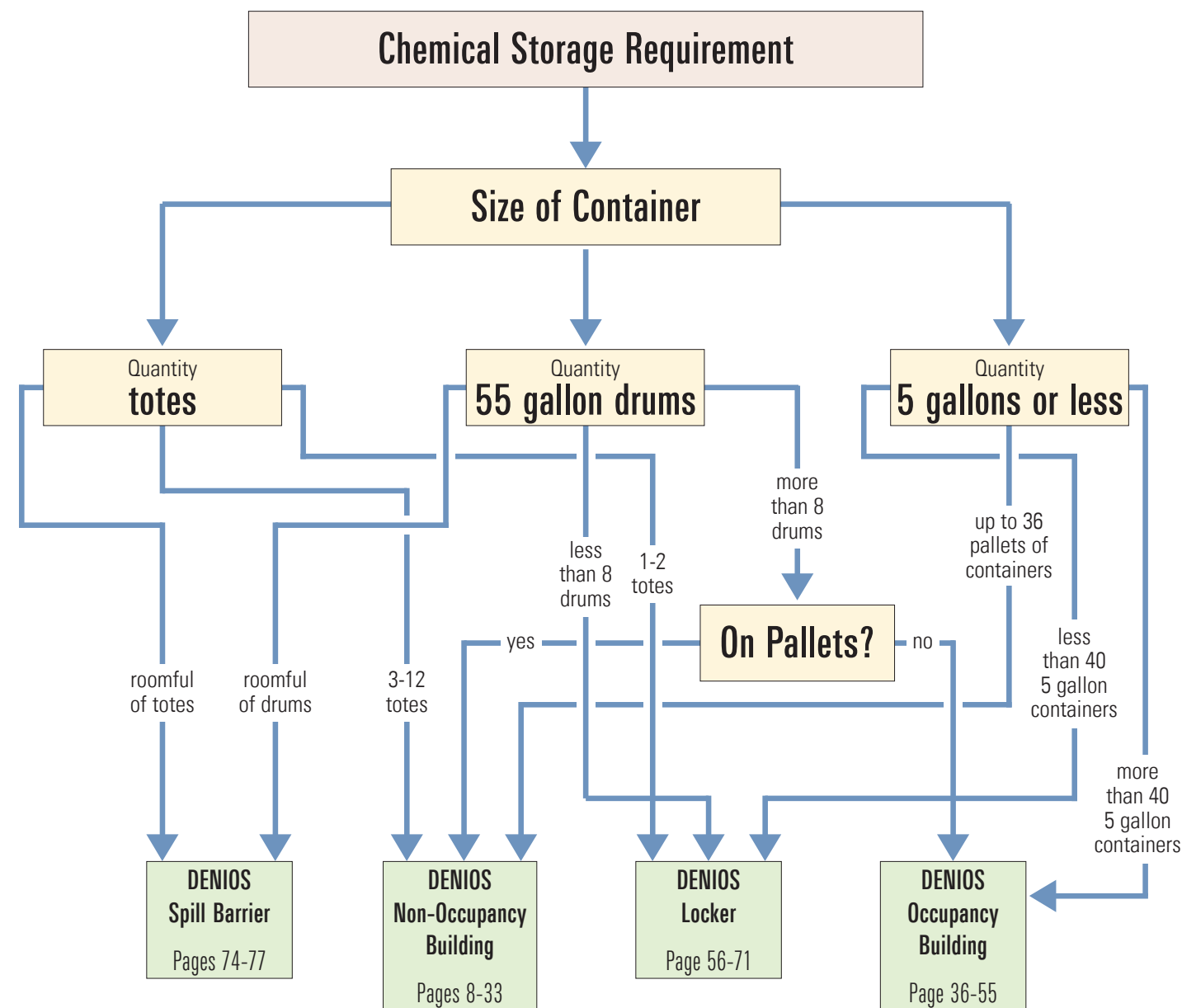
The DENIOS System of storage **Lockers**, **Occupancy Buildings**, and **Non-Occupancy Buildings** specifically address the material handling and processing needs of the client. All our structures are designed for placement indoors or out and can be easily relocated via crane or forklift. All provide options for fire rating, explosion protection, and temperature control. All designs address what and how much is being stored and how often it needs to be handled. And all are compliant.

Lockers: Engineered for small volume storage and processing, Lockers will accommodate 2-14 drums or 1-2 intermediate bulk containers. Available door styles allow for easy access to the chemicals by forklift. Typical uses include exterior storage of flammables and combustibles, remote storage and dispensing stations for truck and rail terminals, and insulated and heated storage for processing and freeze protection.

Non-Occupancy Buildings: Designed for large volume storage needs, Non-Occupancy Buildings come with single- or double-sided access and provide up to three tiers and 12 bays of storage space. A variety of door styles all allow for forklift access to every stored pallet of drums, thus simplifying handling and eliminating any personnel exposure to chemicals or fumes inside the Non-Occupancy Building.

Occupancy Buildings: Often utilized for housing dangerous processes such as mixing and pumping flammable paints and resins, Occupancy Buildings provide a secure enclosure isolating any hazardous chemical dispensing, mixing, and processing away from personnel and the rest of the facility.

Chemical Storage Equipment Selection Guide



Introduction to Chemical Storage Non-Occupancy Buildings

A Safer Storage Alternative

DENIOS is the pioneer in the development of Drum and IBC Storage Non-Occupancy Buildings as a safer and more efficient alternative to walk-in buildings for chemical storage. The non-occupancy design of Non-Occupancy Buildings, featuring full-face opening door styles, allows all materials to be moved via forklift, relieving personnel from having to enter a potentially hazardous environment. DENIOS manufactures the widest variety of styles of Non-Occupancy Buildings available on the market today. Choose between single- or multi-tiered designs with either single- or double-sided access. Non-Occupancy Buildings are suitable for indoor or outdoor placement and provide complete physical separation of stored chemicals from the surrounding facility and / or from other incompatible chemicals or ignition sources.

Sizes and Styles:

- 48 standard configurations of base models
- 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)
- All units are built to accommodate outdoor placement

Common Applications for Non-Occupancy Buildings:

- Segregated indoor or outdoor 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

Choose between single-, double- and triple-tier models

Multiple door styles (hinged, sliding, and roll-up) all provide full-face opening for easy access to drums / IBCs

Lifting eyes allow for easy relocation



Constructed of an 11 gauge tubular frame with 16 gauge steel walls

Perfect for storing and handling palleted drums and IBC totes

Compliant spill containment sump sits below galvanized grating

Feet for forklift access allow for easy relocation

Fire Rated designs up to 4-hour, heating systems for Freeze Protected

Applicable Regulations

DENIOS Non-Occupancy Buildings meet the federal requirements for spill containment of hazardous liquids as regulated by the EPA (40 CFR).

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 ratings for Non-Occupancy Buildings (seismic, wind and roof) generally follow the same guidelines as provided for pre-fabricated Occupancy Buildings.

Non-Occupancy Building designs are able to be provided with 3rd Party Engineering Approvals.

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.

For your further reference

Hazardous materials storage is regulated by EPA at the federal level by the Code of Federal Regulations (40 CFR).

At the state and local level, Fire Codes such as IFC, UFC, NFPA 30 (Storage and Handling of Flammable Liquids), Building Codes (UBC & IBC) and other requirements specific to State and Local jurisdictions may also apply. Typical local code issues include: wind load, snow load, seismic zone, fire rating and separation of flammable storage from the nearest building.

Benefit from our Experience

DENIOS has been designing and manufacturing chemical storage enclosures for over 20 years.

By working closely with customers in solving their unique storage challenges, we have been able to translate those solutions into standard products which can provide compliant storage for a majority of industries and applications.

How should substances be stored?



Storing drums directly

Storing drums on pallets

Storing IBCs

Storing drums horizontally

Range of door options- all doors lockable



Sliding doors

Hinged doors

Roll-up doors

Insulated system

Freeze protected



Roofing systems can be added to Non-Occupancy Buildings or Occupancy Buildings to create covered storage warehouses.

- International Fire Code (IFC)
- International Building Code (IBC)
- Code of Federal Regulations (CFR)
- Environmental Protection Act (EPA)
- National Fire Protection Assn. (NFPA)
- Uniform Fire Code (UFC)
- Uniform Building Code (UBC)
- FM 6049

FM Approved Storage Non-Occupancy Buildings for Drums / IBC Totes Exclusive to DENIOS, FM Approval (Class 6049) Non-Occupancy Storage Non-Occupancy Buildings

The First Non-Occupancy Building to Meet the Standard

Third party approvals for Hazardous Material Occupancy Buildings have been around since 1991 in the form of FM class 6049. FM began approving hazardous material storage Occupancy Buildings with the first edition of CLASS 6049 in that year. This FM "standard" has remained the defacto standard in the US, unchallenged since that time. Manufacturers that receive FM approval have submitted their designs to a third party and then to FM for review in accordance with the standard. This includes reviewing the structural integrity including floor and snow loads in accordance with the standards and the ability of the building to withstand a specific wind which is especially important in coastal areas of the US. The standard further evaluates the integrity of fire rated walls and ceiling and certifies the stated containment sump capacity. Contrary to popular opinion, UL (Underwriters Laboratories) does not have a standard for these buildings, so no manufacturer can use the "UL listed" moniker with reference to their buildings.

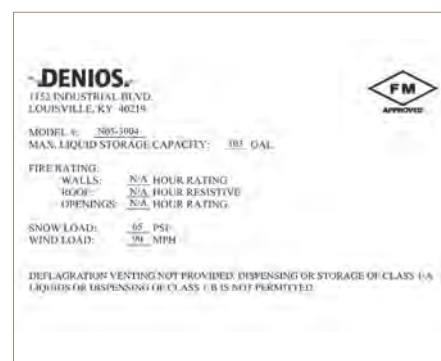
A FM approved Occupancy Building should be labeled as such by the manufacturer. The text of the approval document prescribes what must be on the label. This includes place of manufacture, model no., design floor, wind and snow loads, and if applicable, the fire rating of the walls. It also includes whether the Occupancy Building is constructed with damage limiting construction (DLC) also known as deflagration panels, and the electrical classification and temperature classification of any and all electrical equipment installed on the building.

Contact Us:

For questions about any of your hazardous chemicals storage or processing needs, contact us at **866-384-4889** or at **info2@denios-us.com**

FM APPROVED

DENIOS-Leading Supplier of FM Approved Chemical Containment Products.



DENIOS' FM Approved fire rated Non-Occupancy Building. DENIOS is presently the only manufacturer with FM Approved Non-Occupancy Buildings.

FM Approved Storage Non-Occupancy Buildings Drums

- Designed and sized for 350 gallon IBC Totes or 55 gallon drums
- Storage capacities from 2 to 12 totes or 8 to 48 drums
- Choose between models with hinged or sliding doors, both allow easy access to totes / drums from outside the Non-Occupancy Building
- Sump volumes meet EPA, NFPA, and FM requirements
- Low-viscous test ensures sumps are leak free
- Constructed of heavy gauge, welded steel frames and walls
- Available in single- and double-tiered designs with up to four storage bays

Note:
150 MPH construction available for high wind areas. Contact factory for details.



The hinged doors open full face, providing easy access to the stored drums.

FM Approved Non-Occupancy Buildings — Non-Combustible, Drums

Model Number	Tiers / Bays Structure	Total Capacity per Unit (55 Gal Drums)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Weight (lbs)
L30-0801-W	□	8	1	1	1	108 x 50 x 80	141	HD	138 x 65 x 99	2,000
L30-0802-W	□	8	1	1	1	108 x 50 x 80	141	SD	138 x 65 x 95	2,000
L30-1201-W	□	12	1	1	1	154 x 50 x 80	201	HD	184 x 65 x 99	2,500
L30-1601-W	□□	16	1	1	2	108 x 50 x 80	289	HD	251 x 65 x 99	3,600
L30-1602-W	□□	16	1	1	2	108 x 50 x 80	289	SD	251 x 65 x 95	3,600
L30-1611-W	□□	16	1	2	2	108 x 50 x 50	230	HD	138 x 65 x 128	2,900
L30-1612-W	□□	16	1	2	2	108 x 50 x 50	230	SD	138 x 65 x 124	2,900
L30-2401-W	□□	24	1	1	2	154 x 50 x 80	410	HD	343 x 65 x 99	4,600
L30-2402-W	□□	24	1	1	2	154 x 50 x 80	410	SD	343 x 65 x 95	4,600
L30-2411-W	□□	24	1	2	2	154 x 50 x 50	330	HD	184 x 65 x 128	3,700
L30-3201-W	□□□	32	1	2	4	108 x 50 x 50	470	HD	251 x 65 x 128	5,100
L30-3202-W	□□□	32	1	2	4	108 x 50 x 50	470	SD	251 x 65 x 124	5,100
L30-4801-W	□□□□	48	1	2	4	154 x 50 x 50	660	HD	343 x 65 x 128	6,600
L30-4802-W	□□□□	48	1	2	4	154 x 50 x 50	660	SD	343 x 65 x 124	6,600

FM Approved Storage Non-Occupancy Buildings

IBC Totes

- Designed and sized for 350 gallon IBC Totes or 55 gallon drums
- Storage capacities from 2 to 12 totes or 8 to 48 drums
- Choose between models with hinged or sliding doors, both allow easy access to totes / drums from outside the Non-Occupancy Building
- Sump volumes meet EPA, NFPA, and FM requirements
- Low-viscous test ensures sumps are leak free
- Constructed of heavy gauge, welded steel frames and walls
- Available in single- and double-tiered designs with up to four storage bays



Double-tiered storage Non-Occupancy Building with hinged doors for 4 IBCs.

FM Approved Non-Occupancy Buildings — Non-Combustible, IBCs

Model Number	Tiers / Bays Structure	Total Capacity per Unit (350 Gal IBCs)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Weight (lbs)
L31-0201-W	□	2	1	1	1	108 x 50 x 80	371	HD	138 x 65 x 110	2,200
L31-0202-W	□	2	1	1	1	108 x 50 x 80	371	SD	138 x 65 x 106	2,200
L31-0301-W	□	3	1	1	1	154 x 50 x 80	529	HD	184 x 65 x 110	2,700
L31-0401-W	□□	4	1	1	2	108 x 50 x 80	470	HD	251 x 65 x 104	3,800
L31-0402-W	□□	4	1	1	2	108 x 50 x 80	371	SD	251 x 65 x 100	3,800
L31-0411-W	□	4	1	2	2	108 x 50 x 61	470	HD	138 x 65 x 158	3,200
L31-0412-W	□	4	1	2	2	108 x 50 x 61	371	SD	138 x 65 x 154	3,200
L31-0601-W	□□	6	1	1	2	154 x 50 x 80	660	HD	343 x 65 x 104	4,800
L31-0602-W	□□	6	1	1	2	154 x 50 x 80	660	SD	343 x 65 x 100	4,800
L31-0611-W	□	6	1	2	2	154 x 50 x 61	529	HD	184 x 65 x 158	4,100
L31-0801-W	□□	8	1	2	4	108 x 50 x 61	759	HD	251 x 65 x 158	5,200
L31-0802-W	□□	8	1	2	4	108 x 50 x 61	759	SD	251 x 65 x 154	5,200
L31-1201-W	□□	12	1	2	4	154 x 50 x 61	1076	HD	343 x 65 x 158	7,300
L31-1202-W	□□	12	1	2	4	154 x 50 x 61	1076	SD	343 x 65 x 154	7,300

FM Approved Storage Non-Occupancy Buildings for Drums / IBC Totes

2-Hour and 4-Hour Fire Rated, Single-Sided Access



Fire Rated designs up to 2- and 4-hour



DENIOS-Leading Supplier of FM Approved Chemical Containment Products.

Note:
150 MPH construction available for high wind areas. Contact factory for details.

FM Approved Non-Occupancy Buildings — 2-Hr Fire Rated, Drums/IBCs

Model Number	Tiers / Bays Structure	Total Capacity per Unit (Drums/IBCs)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Listed Weight (lbs)
L32-0823-W	□	8/2	1	1	1	115 x 50.5 x 80	353	RD	156 x 89 x 125	5,800
L32-1233-W	□	12/3	1	1	1	172 x 50.5 x 80	352	RD	213 x 89 x 121	7,400
L32-1643-W	□□	16/4	1	1	2	115 x 50.5 x 80	364	RD	289 x 91 x 119	11,900
L32-2463-W	□□	24/6	1	1	2	172 x 50.5 x 80	535	RD	403 x 91 x 119	17,100

FM Approved Non-Occupancy Buildings — 2-Hr Fire Rated, Drums

Model Number	Tiers / Bays Structure	Total Capacity per Unit (Drums/IBCs)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Listed Weight (lbs)
L32-1603-W	□	16	1	2	2	108 x 50.5 x 50	227	RD	156 x 89 x 149	7,000
L32-2403-W	□	24	1	2	2	162 x 50.5 x 50	340	RD	213 x 89 x 149	9,100
L32-3203-W	□□	32	1	2	4	108 x 50.5 x 50	479	RD	289 x 91 x 149	14,600
L32-4803-W	□□	48	1	2	4	162 x 50.5 x 50	706	RD	403 x 91 x 149	20,800

FM Approved Non-Occupancy Buildings — 2-Hr Fire Rated, IBCs

Model Number	Tiers / Bays Structure	Total Capacity per Unit (Drums/IBCs)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Listed Weight (lbs)
L33-0403-W	□	4	1	2	2	108 x 50.5 x 60	353	RD	156 x 89 x 173	7,600
L33-0603-W	□	6	1	2	2	162 x 50.5 x 60	529	RD	213 x 89 x 173	9,900
L33-0803-W	□□	8	1	2	4	108 x 50.5 x 60	744	RD	289 x 91 x 173	15,700
L33-1203-W	□□	12	1	2	4	162 x 50.5 x 60	1059	RD	403 x 91 x 173	22,300

FM Approved Non-Occupancy Buildings — 4-Hr Fire Rated, Drums/IBCs

Model Number	Tiers / Bays Structure	Total Capacity per Unit (Drums/IBCs)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Listed Weight (lbs)
L34-0823-W	□	8/2	1	1	1	115 x 50.5 x 80	353	RD	156 x 96 x 125	9,600
L34-1233-W	□	12/3	1	1	1	172 x 50.5 x 80	352	RD	213 x 96 x 122	11,900
L34-1643-W	□□	16/4	1	1	2	115 x 50.5 x 80	364	RD	292 x 96 x 120	17,400
L34-2463-W	□□	24/6	1	1	2	172 x 50.5 x 80	535	RD	406 x 96 x 120	23,000

FM Approved Non-Occupancy Buildings — 4-Hr Fire Rated, Drums

Model Number	Tiers / Bays Structure	Total Capacity per Unit (Drums/IBCs)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Listed Weight (lbs)
L34-1603-W	□	16	1	2	2	108 x 50.5 x 50	227	RD	156 x 96 x 149	11,700
L34-2403-W	□	24	1	2	2	162 x 50.5 x 50	340	RD	213 x 96 x 149	14,700
L34-3203-W	□□	32	1	2	4	108 x 50.5 x 50	479	RD	292 x 96 x 149	21,500
L34-4803-W	□□	48	1	2	4	162 x 50.5 x 50	706	RD	406 x 96 x 149	28,300

FM Approved Non-Occupancy Buildings — 4-Hr Fire Rated, IBCs

Model Number	Tiers / Bays Structure	Total Capacity per Unit (Drums/IBCs)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Listed Weight (lbs)
L35-0403-W	□	4	1	2	2	108 x 50.5 x 60	353	RD	156 x 96 x 173	13,100
L35-0603-W	□	6	1	2	2	162 x 50.5 x 60	529	RD	213 x 96 x 173	16,400
L35-0803-W	□□	8	1	2	4	108 x 50.5 x 60	744	RD	292 x 96 x 173	23,700
L35-1203-W	□□	12	1	2	4	162 x 50.5 x 60	1059	RD	406 x 96 x 173	31,100

Storage Non-Occupancy Buildings for IBC Totes

Single-Sided Access

These Storage Non-Occupancy Buildings have been specially designed for Intermediate Bulk Containers (IBCs).

The sump volume exceeds mandatory Federal Regulations.

Full-face opening doors provide access to IBCs without the need to physically enter the structure.



Single-tiered storage Non-Occupancy Building with sliding doors (standard) for 3 IBC Totes saves facility space. Model in picture features optional fire rated design and fire suppression system.



Added tier height and sump capacity makes tote Non-Occupancy Buildings also appropriate for drum storage.

- Sump of heavy gauge steel for extended life
- Sump welds are 100% inspected with a low-viscous test to insure leaktightness
- Sump volumes meet EPA & NFPA requirements
- Removable grating for easy clean-up
- Extra strength, tubular steel construction
- Coated with a durable, corrosion and weather resistant finish
- Grounding package includes grounding lug, connection wire, and rod



Addition of stands provides height to allow for spill-contained dispensing into small containers.

Note:
150 MPH construction available for high wind areas. Contact factory for details.

Single-Sided, Non-Occupancy Buildings — Non-Combustible (NOTE: Where two different bay dimensions are given, both sizes are incorporated in the design. Contact factory for details.)

Model Number	Tiers / Bays Structure	Total Capacity per Unit (350 Gal IBC Totes)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Listed Weight (lbs)
L81-0201-W	□	2	1	1	1	120 x 50 x 80	388	HD	150 x 56 x 106	2,300
L81-0203-W	□	2	1	1	1	120 x 50 x 80	388	RD	150 x 72 x 121	3,100
L81-0301-W	□	3	1	1	1	154 x 50 x 83	388	HD	184 x 56 x 106	2,600
L81-0303-W	□	3	1	1	1	154 x 50 x 83	388	RD	184 x 72 x 121	3,500
L81-0401-W	▢	4	1	2	2	120 x 50 x 61	388	HD	150 x 56 x 153	3,200
L81-0402-W	▢	4	1	2	2	120 x 50 x 61	388	SD	150 x 63 x 153	3,200
L81-0403-W	▢	4	1	2	2	120 x 50 x 61	388	RD	150 x 72 x 168	4,100
L81-0411-W	▢▢	4	1	1	2	120 x 50 x 87	388	HD	275 x 56 x 106	4,100
L81-0412-W	▢▢	4	1	1	2	120 x 50 x 87	388	SD	275 x 63 x 106	4,100
L81-0413-W	▢▢	4	1	1	2	120 x 50 x 87	388	RD	288 x 72 x 121	5,700
L81-0601-W	▢▢	6	1	2	2	154 x 50 x 61	388	HD	184 x 56 x 147	3,700
L81-0603-W	▢▢	6	1	2	2	154 x 50 x 61	388	RD	184 x 72 x 162	4,800
L81-0611-W	▢▢▢	6	1	1	2	154 x 50 x 88	465	HD	343 x 56 x 106	4,800
L81-0612-W	▢▢▢	6	1	1	2	154 x 50 x 88	465	SD	343 x 63 x 106	4,800
L81-0613-W	▢▢▢	6	1	1	2	154 x 50 x 88	465	RD	356 x 72 x 121	6,600
L81-0801-W	▢▢▢▢	8	1	2	4	120 x 50 x 61	388	HD	275 x 56 x 147	5,500
L81-0802-W	▢▢▢▢	8	1	2	4	120 x 50 x 61	388	SD	275 x 63 x 147	5,500
L81-0803-W	▢▢▢▢	8	1	2	4	120 x 50 x 61	388	RD	288 x 72 x 162	7,200
L81-1001-W	▢▢▢▢▢	10	1	2	4	120 x 50 x 61 154 x 50 x 61	350	HD	309 x 56 x 146	5,900
L81-1003-W	▢▢▢▢▢	10	1	2	4	120 x 50 x 61 154 x 50 x 61	350	RD	322 x 72 x 161	7,800
L81-1201-W	▢▢▢▢▢▢	12	1	2	4	154 x 50 x 61	465	HD	343 x 56 x 146	6,500
L81-1202-W	▢▢▢▢▢▢	12	1	2	4	154 x 50 x 61	465	SD	343 x 63 x 146	6,500
L81-1203-W	▢▢▢▢▢▢	12	1	2	4	154 x 50 x 61	465	RD	356 x 72 x 161	8,500
L81-1401-W	▢▢▢▢▢▢▢	14	1	2	6	120 x 50 x 61 154 x 50 x 61	490	HD	434 x 56 x 146	7,800

Storage Non-Occupancy Buildings for IBC Totes 2-Hour Fire Rated, Single-Sided Access

Great for facilities with inventories of flammable products / chemicals. Non-Occupancy Buildings can easily be placed in existing storage aisles – easing material handling and eliminating the need for costly reconstruction. Modular designs also ease relocation when space/storage needs change.

- Designed for the storage of flammable chemicals or products
- Provides for indoor or outdoor placement – multiple storage tiers and single- or double-sided access to stored chemicals
- Choose between Hinged, Sliding, and Roll-up doors
- UL approved firewalls, designs include 2-hour uni-directional and 4-hour bi-directional fire rated construction



Double-tiered storage Non-Occupancy Building with hinged doors for four IBC Totes utilized for process heating.

Note:
150 MPH construction available for high wind areas. Contact factory for details.

Single-Sided, Non-Occupancy Buildings — 2-Hour Fire Rated (NOTE: Where two different bay dimensions are given, both sizes are incorporated in the design. Contact factory for details.)

Model Number	Tiers / Bays Structure	Total Capacity per Unit (350 Gal IBCs)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Listed Weight (lbs)
L83-0201-W	□	2	1	1	1	120 x 50 x 80	388	HD	160 x 60 x 111	4,300
L83-0203-W	□	2	1	1	1	120 x 50 x 80	388	RD	160 x 75.5 x 121	4,700
L83-0301-W	□	3	1	1	1	154 x 50 x 83	388	HD	194 x 60 x 111	5,100
L83-0303-W	□	3	1	1	1	154 x 50 x 83	388	RD	194 x 75.5 x 121	5,500
L83-0401-W	▢	4	1	2	2	120 x 50 x 61	388	HD	160 x 60 x 158	6,000
L83-0402-W	▢	4	1	2	2	120 x 50 x 61	388	SD	160 x 68.5 x 162	6,000
L83-0403-W	▢	4	1	2	2	120 x 50 x 61	388	RD	160 x 75.5 x 168	6,400
L83-0411-W	▢▢	4	1	1	2	120 x 50 x 87	388	HD	285 x 60 x 111	8,800
L83-0412-W	▢▢	4	1	1	2	120 x 50 x 87	388	SD	285 x 68.5 x 115	8,800
L83-0413-W	▢▢	4	1	1	2	120 x 50 x 87	388	RD	298 x 75.5 x 121	9,800
L83-0601-W	▢▢	6	1	2	2	154 x 50 x 61	388	HD	194 x 60 x 155	6,700
L83-0603-W	▢▢	6	1	2	2	154 x 50 x 61	388	RD	194 x 75.5 x 165	7,200
L83-0611-W	▢▢▢	6	1	1	2	154 x 50 x 88	465	HD	353 x 60 x 111	10,600
L83-0612-W	▢▢▢	6	1	1	2	154 x 50 x 88	465	SD	353 x 68.5 x 115	10,600
L83-0613-W	▢▢▢	6	1	1	2	154 x 50 x 88	465	RD	366 x 75.5 x 121	11,800
L83-0801-W	▢▢▢▢	8	1	2	4	120 x 50 x 61	388	HD	285 x 60 x 152	11,500
L83-0802-W	▢▢▢▢	8	1	2	4	120 x 50 x 61	388	SD	285 x 68.5 x 156	11,500
L83-0803-W	▢▢▢▢	8	1	2	4	120 x 50 x 61	388	RD	298 x 75.5 x 162	12,700
L83-1001-W	▢▢▢▢	10	1	2	4	120 x 50 x 61 154 x 50 x 61	350	HD	319 x 60 x 151	12,500
L83-1003-W	▢▢▢▢	10	1	2	4	120 x 50 x 61 154 x 50 x 61	350	RD	332 x 75.5 x 161	13,900
L83-1201-W	▢▢▢▢▢	12	1	2	4	154 x 50 x 61	465	HD	353 x 60 x 151	13,700
L83-1202-W	▢▢▢▢▢	12	1	2	4	154 x 50 x 61	465	SD	353 x 68.5 x 155	13,700
L83-1203-W	▢▢▢▢▢	12	1	2	4	154 x 50 x 61	465	RD	366 x 75.5 x 161	15,100
L83-1401-W	▢▢▢▢▢▢	14	1	2	6	120 x 50 x 61 154 x 50 x 61	490	HD	444 x 60 x 151	16,700

Storage Non-Occupancy Buildings for IBC Totes 4-Hour Fire Rated, Single-Sided Access

Engineered Options for DENIOS 2- and 4-hour Fire Rated Enclosures may include:

- Deflagration panels to redirect destructive forces in case of an explosion
- Fire, fume, or leak detection alarms
- Dry or wet fire suppression systems
- Ventilation systems to remove noxious or ignitable fumes
- Spill containment sumps which meet / exceed EPA, UFC, NFPA, and OSHA regulations
- Heating / cooling options for temperature sensitive chemicals
- Special coatings and materials for the storage of acids, caustics, or corrosives



Double-tiered storage Non-Occupancy Building with hinged doors for eight IBC Totes.

Note:
150 MPH construction available for high wind areas. Contact factory for details.

Single-Sided, Non-Occupancy Buildings — 4-Hour Fire Rated (NOTE: Where two different bay dimensions are given, both sizes are incorporated in the design. Contact factory for details.)

Model Number	Tiers / Bays Structure	Total Capacity per Unit (350 Gal IBC Totes)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Listed Weight (lbs)
L85-0201-W	□	2	1	1	1	120 x 50 x 80	388	HD	162 x 61 x 112	7,100
L85-0203-W	□	2	1	1	1	120 x 50 x 80	388	RD	162 x 76.5 x 121	7,500
L85-0301-W	□	3	1	1	1	154 x 50 x 83	388	HD	196 x 61 x 112	8,300
L85-0303-W	□	3	1	1	1	154 x 50 x 83	388	RD	196 x 76.5 x 121	8,700
L85-0401-W	▢	4	1	2	2	120 x 50 x 61	388	HD	162 x 61 x 159	9,900
L85-0402-W	▢	4	1	2	2	120 x 50 x 61	388	SD	162 x 69.5 x 163	9,900
L85-0403-W	▢	4	1	2	2	120 x 50 x 61	388	RD	162 x 76.5 x 168	10,300
L85-0411-W	▢▢	4	1	1	2	120 x 50 x 87	388	HD	287 x 61 x 112	13,200
L85-0412-W	▢▢	4	1	1	2	120 x 50 x 87	388	SD	287 x 69.5 x 116	13,200
L85-0413-W	▢▢	4	1	1	2	120 x 50 x 87	388	RD	300 x 76.5 x 121	14,700
L85-0601-W	▢▢	6	1	2	2	154 x 50 x 61	388	HD	196 x 61 x 156	11,200
L85-0603-W	▢▢	6	1	2	2	154 x 50 x 61	388	RD	196 x 76.5 x 165	11,700
L85-0611-W	▢▢▢	6	1	1	2	154 x 50 x 88	465	HD	355 x 61 x 112	15,900
L85-0612-W	▢▢▢	6	1	1	2	154 x 50 x 88	465	SD	355 x 69.5 x 116	15,900
L85-0613-W	▢▢▢	6	1	1	2	154 x 50 x 88	465	RD	368 x 76.5 x 121	17,600
L85-0801-W	▢▢▢▢	8	1	2	4	120 x 50 x 61	388	HD	287 x 61 x 153	17,300
L85-0802-W	▢▢▢▢	8	1	2	4	120 x 50 x 61	388	SD	287 x 69.5 x 157	17,300
L85-0803-W	▢▢▢▢	8	1	2	4	120 x 50 x 61	388	RD	300 x 76.5 x 162	19,200
L85-1001-W	▢▢▢▢	10	1	2	4	120 x 50 x 61 154 x 50 x 61	350	HD	321 x 61 x 152	18,900
L85-1003-W	▢▢▢▢	10	1	2	4	120 x 50 x 61 154 x 50 x 61	350	RD	334 x 76.5 x 161	20,900
L85-1201-W	▢▢▢▢▢	12	1	2	4	154 x 50 x 61	465	HD	355 x 61 x 152	20,700
L85-1202-W	▢▢▢▢▢	12	1	2	4	154 x 50 x 61	465	SD	355 x 69.5 x 156	20,700
L85-1203-W	▢▢▢▢▢	12	1	2	4	154 x 50 x 61	465	RD	368 x 76.5 x 161	22,800
L85-1401-W	▢▢▢▢▢▢	14	1	2	6	120 x 50 x 61 154 x 50 x 61	490	HD	446 x 61 x 152	25,300

Storage Non-Occupancy Buildings for IBC Totes

Double-Sided Access

Double-sided Non-Occupancy Buildings double storage capacity while not sacrificing immediate accessibility to the totes.

When indoor placement of the Non-Occupancy Building is between aisles or a sufficient pad area exists outdoors, double-sided Non-Occupancy Buildings offer additional capacity without losing access to drums.

Choose between sliding and roll-up door models. Designs provide up to three storage tiers.

- Sump of heavy gauge steel for extended life
- Sump welds are 100% inspected with a low-viscous test to insure leaktightness
- Sump volumes meet EPA & NFPA requirements
- Removable grating for easy clean-up
- Extra strength, tubular steel construction

- Coated with a durable, corrosion and weather resistant finish
- Grounding package includes grounding lug, connection wire, and rod

Note:

Due to their overall height, all triple-tiered units are produced and shipped in two sections. Assembly on site is easy using our complete, step-by-step instructions.



Single-tiered storage Non-Occupancy Building with sliding Doors for 6 IBCs.



Double-sided access increases capacity without decreasing accessibility.

DENIOS Non-Occupancy Buildings are the most efficient and flexible chemical storage systems available.

- Up to three storage tiers
- With double-sided access
- Hinged or Sliding Door
- Multiple-tiered units provide secure, separate platforms for all pallets – no need to double-stack, greatly reducing material handling risks
- Move only the pallet(s) you need, eliminating any unnecessary double handling
- Sump volumes meet EPA and other regulatory requirements



Note:

150 MPH construction available for high wind areas. Contact factory for details.

Heated and fire rated Non-Occupancy Building also provides explosion relief panels for the storage of combustibles.

Double-Sided, Non-Occupancy Buildings — Non-Combustible (NOTE: Where two different bay dimensions are given, both sizes are incorporated in the design. Contact factory for details.)

Model Number	Tiers / Bays Structure	Total Capacity per Unit (350 Gal IBCs)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Listed Weight (lbs)
L81-0421-W	□	4	2	1	2	120 x 50 x 87	388	HD	150 x 106 x 106	4,700
L81-0422-W	□	4	2	1	2	120 x 50 x 87	388	SD	150 x 121 x 106	4,700
L81-0423-W	□	4	2	1	2	120 x 50 x 87	388	RD	150 x 139 x 121	6,300
L81-0621-W	□	6	2	1	2	154 x 50 x 88	431	HD	184 x 106 x 106	5,400
L81-0623-W	□	6	2	1	2	154 x 50 x 88	431	RD	184 x 139 x 121	7,100
L81-0811-W	□	8	2	2	4	120 x 50 x 61	388	HD	150 x 106 x 147	5,900
L81-0812-W	□	8	2	2	4	120 x 50 x 61	388	SD	150 x 121 x 147	5,900
L81-0813-W	□	8	2	2	4	120 x 50 x 61	388	RD	150 x 139 x 162	7,700
L81-0821-W	□	8	2	1	4	120 x 50 x 88	715	HD	275 x 106 x 106	7,400
L81-0822-W	□	8	2	1	4	120 x 50 x 88	715	SD	275 x 121 x 106	7,400
L81-0823-W	□	8	2	1	4	120 x 50 x 88	715	RD	288 x 139 x 121	10,400
L81-1211-W	□	12	2	2	4	154 x 50 x 61	431	HD	184 x 106 x 146	6,900
L81-1213-W	□	12	2	2	4	154 x 50 x 61	431	RD	184 x 139 x 161	9,000
L81-1221-W	□	12	2	1	4	154 x 50 x 88	867	HD	343 x 106 x 106	8,600
L81-1222-W	□	12	2	1	4	154 x 50 x 88	867	SD	343 x 121 x 106	8,600
L81-1223-W	□	12	2	1	4	154 x 50 x 88	867	RD	356 x 139 x 121	12,200
L81-1601-W	□	16	2	2	8	120 x 50 x 61	715	HD	275 x 106 x 147	10,200
L81-1602-W	□	16	2	2	8	120 x 50 x 61	715	SD	275 x 121 x 147	10,200
L81-1603-W	□	16	2	2	8	120 x 50 x 61	715	RD	288 x 139 x 162	14,200
L81-2001-W	□	20	2	2	8	120 x 50 x 61 154 x 50 x 61	700	HD	309 x 106 x 146	10,600
L81-2003-W	□	20	2	2	8	120 x 50 x 61 154 x 50 x 61	700	RD	322 x 139 x 161	14,400
L81-2401-W	□	24	2	2	8	154 x 50 x 61	867	HD	343 x 106 x 146	11,500
L81-2402-W	□	24	2	2	8	154 x 50 x 61	867	SD	343 x 121 x 146	11,500
L81-2403-W	□	24	2	2	8	154 x 50 x 61	867	RD	356 x 139 x 161	15,600
L81-2801-W	□	28	2	2	12	120 x 50 x 61 154 x 50 x 61	980	HD	434 x 106 x 146	13,700

Storage Non-Occupancy Buildings for IBC Totes

2-Hour Fire Rated, Double-Sided Access

Great for facilities with inventories of flammable products / chemicals. Non-Occupancy Buildings can easily be placed in existing storage aisles – easing material handling and eliminating the need for costly reconstruction. Modular designs also ease relocation when space/storage needs change.

- Designed for the storage of flammable chemicals or products
- Provides for indoor or outdoor placement – multiple storage tiers and single- or double-sided access to stored chemicals
- Choose between Hinged, Sliding, and Roll-up doors
- UL approved firewalls, designs include 2-hour uni-directional and 4-hour bi-directional fire rated construction



Double-sided access designs keep all stored IBCs within easy access of the fork truck operator.

Note:
150 MPH construction available for high wind areas. Contact factory for details.

Double-Sided, Non-Occupancy Buildings — 2-Hour Fire Rated (NOTE: Where two different bay dimensions are given, both sizes are incorporated in the design. Contact factory for details.)

Model Number	Tiers / Bays Structure	Total Capacity per Unit (350 Gal IBCs)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Listed Weight (lbs)
L83-0421-W	□	4	2	1	2	120 x 50 x 87	388	HD	160 x 108 x 111	7,300
L83-0422-W	□	4	2	1	2	120 x 50 x 87	388	SD	160 x 125 x 115	7,300
L83-0423-W	□	4	2	1	2	120 x 50 x 87	388	RD	160 x 139 x 121	8,000
L83-0621-W	□	6	2	1	2	154 x 50 x 88	431	HD	194 x 108 x 111	8,500
L83-0623-W	□	6	2	1	2	154 x 50 x 88	431	RD	194 x 139 x 121	9,300
L83-0811-W	□	8	2	2	4	120 x 50 x 61	388	HD	160 x 108 x 152	9,700
L83-0812-W	□	8	2	2	4	120 x 50 x 61	388	SD	160 x 125 x 156	9,700
L83-0813-W	□	8	2	2	4	120 x 50 x 61	388	RD	160 x 139 x 162	10,500
L83-0821-W	□□	8	2	1	4	120 x 50 x 88	715	HD	285 x 108 x 111	15,600
L83-0822-W	□□	8	2	1	4	120 x 50 x 88	715	SD	285 x 125 x 111	15,600
L83-0823-W	□□	8	2	1	4	120 x 50 x 88	715	RD	298 x 139 x 121	17,600
L83-1211-W	□	12	2	2	4	154 x 50 x 61	431	HD	194 x 108 x 151	11,200
L83-1213-W	□	12	2	2	4	154 x 50 x 61	431	RD	194 x 139 x 161	12,700
L83-1221-W	□□	12	2	1	4	154 x 50 x 88	867	HD	353 x 108 x 111	18,700
L83-1222-W	□□	12	2	1	4	154 x 50 x 88	867	SD	353 x 125 x 115	18,700
L83-1223-W	□□	12	2	1	4	154 x 50 x 88	867	RD	366 x 139 x 121	21,100
L83-1601-W	□□□	16	2	2	8	120 x 50 x 61	715	HD	285 x 108 x 147	20,100
L83-1602-W	□□□	16	2	2	8	120 x 50 x 61	715	SD	285 x 125 x 147	20,100
L83-1603-W	□□□	16	2	2	8	120 x 50 x 61	715	RD	298 x 139 x 162	22,400
L83-2001-W	□□□	20	2	2	8	120 x 50 x 61 154 x 50 x 61	700	HD	319 x 108 x 151	22,000
L83-2003-W	□□□	20	2	2	8	120 x 50 x 61 154 x 50 x 61	700	RD	332 x 139 x 161	24,600
L83-2401-W	□□□	24	2	2	8	154 x 50 x 61	867	HD	353 x 108 x 151	24,000
L83-2402-W	□□□	24	2	2	8	154 x 50 x 61	867	SD	353 x 125 x 155	24,000
L83-2403-W	□□□	24	2	2	8	154 x 50 x 61	867	RD	366 x 139 x 161	26,800
L83-2801-W	□□□□	28	2	2	12	120 x 50 x 61 154 x 50 x 61	980	HD	444 x 108 x 151	29,200

Storage Non-Occupancy Buildings for IBC Totes

4-Hour Fire Rated, Double-Sided Access

Engineered Options for DENIOS 2- and 4-hour Fire Rated Enclosures may include:

- Deflagration panels to redirect destructive forces in case of an explosion
- Fire, fume, or leak detection alarms
- Dry or wet fire suppression systems
- Ventilation systems to remove noxious or ignitable fumes
- Spill containment sumps which meet / exceed EPA, UFC, NFPA, and OSHA regulations
- Heating / cooling options for temperature sensitive chemicals
- Special coatings and materials for the storage of acids, caustics, or corrosives



Single-tiered, double-sided Non-Occupancy Building with fire suppression, a heated bay and roll-up doors (Custom engineered model, roll-up doors not standard).

Note:
150 MPH construction available for high wind areas. Contact factory for details.

Double-Sided, Non-Occupancy Buildings — 4-Hour Fire Rated (NOTE: Where two different bay dimensions are given, both sizes are incorporated in the design. Contact factory for details.)

Model Number	Tiers / Bays Structure	Total Capacity per Unit (350 Gal IBCs)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Listed Weight (lbs)
L85-0421-W	□	4	2	1	2	120 x 50 x 87	388	HD	162 x 108 x 112	10,400
L85-0422-W	□	4	2	1	2	120 x 50 x 87	388	SD	162 x 125 x 116	10,400
L85-0423-W	□	4	2	1	2	120 x 50 x 87	388	RD	162 x 139 x 121	11,000
L85-0621-W	□	6	2	1	2	154 x 50 x 88	431	HD	196 x 108 x 112	11,900
L85-0623-W	□	6	2	1	2	154 x 50 x 88	431	RD	196 x 139 x 121	12,600
L85-0811-W	□	8	2	2	4	120 x 50 x 61	388	HD	162 x 108 x 153	12,500
L85-0812-W	□	8	2	2	4	120 x 50 x 61	388	SD	162 x 125 x 157	12,500
L85-0813-W	□	8	2	2	4	120 x 50 x 61	388	RD	162 x 139 x 162	13,300
L85-0821-W	□□	8	2	1	4	120 x 50 x 88	715	HD	287 x 108 x 112	18,300
L85-0822-W	□□	8	2	1	4	120 x 50 x 88	715	SD	287 x 125 x 112	18,300
L85-0823-W	□□	8	2	1	4	120 x 50 x 88	715	RD	300 x 139 x 121	20,900
L85-1211-W	□	12	2	2	4	154 x 50 x 61	431	HD	196 x 108 x 152	14,100
L85-1213-W	□	12	2	2	4	154 x 50 x 61	431	RD	196 x 139 x 161	15,100
L85-1221-W	□□	12	2	1	4	154 x 50 x 88	867	HD	355 x 108 x 112	21,600
L85-1222-W	□□	12	2	1	4	154 x 50 x 88	867	SD	355 x 125 x 116	21,600
L85-1223-W	□□	12	2	1	4	154 x 50 x 88	867	RD	368 x 139 x 121	24,700
L85-1601-W	□□□	16	2	2	8	120 x 50 x 61	715	HD	287 x 108 x 147	23,000
L85-1602-W	□□□	16	2	2	8	120 x 50 x 61	715	SD	287 x 125 x 147	23,000
L85-1603-W	□□□	16	2	2	8	120 x 50 x 61	715	RD	300 x 139 x 162	25,400
L85-2001-W	□□□	20	2	2	8	120 x 50 x 61 154 x 50 x 61	700	HD	321 x 108 x 152	25,000
L85-2003-W	□□□	20	2	2	8	120 x 50 x 61 154 x 50 x 61	700	RD	334 x 139 x 161	28,500
L85-2401-W	□□□	24	2	2	8	154 x 50 x 61	867	HD	355 x 108 x 152	27,000
L85-2402-W	□□□	24	2	2	8	154 x 50 x 61	867	SD	355 x 125 x 156	27,000
L85-2403-W	□□□	24	2	2	8	154 x 50 x 61	867	RD	368 x 139 x 161	30,800
L85-2801-W	□□□□	28	2	2	12	120 x 50 x 61 154 x 50 x 61	980	HD	446 x 108 x 152	32,400

Storage Non-Occupancy Buildings for Drums

Single-Sided Access

DENIOS has the most complete line of Non-Occupancy Buildings for storing drums and IBC's.

Non-Occupancy Buildings provide highly efficient storage. All products can be accessed from outside the Non-Occupancy Building. No need to manhandle individual drums.

Let DENIOS help you select the best configuration for your facility:

- 2 or 3 pallet bay sizes
- 1 or 2 bay lengths
- 1, 2, or 3* tiers high
- Single- or double-sided access

Spill sumps located in the base of each unit.

Full selection of options including:

- 2- and 4-hour fire rated walls
- Fire suppression systems
- Explosion-proof mechanical ventilation
- Fume or leak detection / alarm systems



Double-tiered storage Non-Occupancy Building with custom paint color and hinged doors holds 16 drums.

*** Note:**
Due to their overall height, all triple-tiered units are produced and shipped in two sections. Assembly on site is easy using our complete, step-by-step instructions.



All Non-Occupancy Building door styles provide easy access to stored drums or totes.



Double-tiered storage Non-Occupancy Building with hinged doors holds 16 drums.

Note:
150 MPH construction available for high wind areas. Contact factory for details.

Single-Sided, Non-Occupancy Buildings — Non-Combustible (NOTE: Where two different bay dimensions are given, both sizes are incorporated in the design. Contact factory for details.)

Model Number	Tiers / Bays Structure	Total Capacity per Unit (55 Gal Drums)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Listed Weight (lbs)
L80-0801-W	□	8	1	1	1	120 x 50 x 88	158	HD	150 x 56 x 106	2,200
L80-0803-W	□	8	1	1	1	120 x 50 x 88	158	RD	150 x 72 x 121	3,000
L80-0121-W	□	12	1	1	1	154 x 50 x 88	202	HD	184 x 56 x 106	2,600
L80-0123-W	□	12	1	1	1	154 x 50 x 88	202	RD	184 x 72 x 121	3,500
L80-1601-W	□□	16	1	1	2	120 x 50 x 88	323	HD	275 x 56 x 106	4,000
L80-1602-W	□□	16	1	1	2	120 x 50 x 88	323	SD	275 x 63 x 106	4,000
L80-1603-W	□□	16	1	1	2	120 x 50 x 88	323	RD	288 x 72 x 121	5,500
L80-1611-W	□□	16	1	2	2	120 x 50 x 50	158	HD	150 x 56 x 122	3,000
L80-1612-W	□□	16	1	2	2	120 x 50 x 50	158	SD	150 x 63 x 122	3,000
L80-1613-W	□□	16	1	2	2	120 x 50 x 50	158	RD	150 x 72 x 138	3,900
L80-2001-W	□□	20	1	1	2	120 x 50 x 88 154 x 50 x 88	360	HD	309 x 56 x 106	4,400
L80-2003-W	□□	20	1	1	2	120 x 50 x 88 154 x 50 x 88	360	RD	322 x 72 x 121	6,000
L80-2401-W	□□	24	1	1	2	154 x 50 x 50	411	HD	343 x 56 x 106	4,800
L80-2402-W	□□	24	1	1	2	154 x 50 x 50	411	SD	343 x 63 x 106	4,800
L80-2403-W	□□	24	1	1	2	154 x 50 x 50	411	RD	356 x 72 x 121	6,500
L80-2411-W	□□	24	1	2	2	154 x 50 x 50	202	HD	184 x 55.5 x 122	3,600
L80-2413-W	□□	24	1	2	2	154 x 50 x 50	202	RD	184 x 72 x 138	4,600
L80-2423-W	□□	24	1	3	3	120 x 50 x 50	158	RD	150 x 72 x 193	5,400
L80-3201-W	□□□	32	1	2	4	120 x 50 x 50	323	HD	275 x 56 x 122	5,400
L80-3202-W	□□□	32	1	2	4	120 x 50 x 50	323	SD	275 x 63 x 122	5,400
L80-3203-W	□□□	32	1	2	4	120 x 50 x 50	323	RD	288 x 72 x 138	7,100
L80-3603-W	□□□	36	1	3	3	154 x 50 x 50	202	RD	184 x 72 x 193	6,700
L80-4001-W	□□□	40	1	2	4	120 x 50 x 50 154 x 50 x 50	360	HD	309 x 56 x 122	5,600
L80-4003-W	□□□	40	1	2	4	120 x 50 x 50 154 x 50 x 50	360	RD	322 x 72 x 138	7,300
L80-4801-W	□□□	48	1	2	4	154 x 50 x 50	411	HD	343 x 56 x 122	6,100
L80-4802-W	□□□	48	1	2	4	154 x 50 x 50	411	SD	343 x 63 x 122	6,100
L80-4803-W	□□□	48	1	2	4	154 x 50 x 50	411	RD	356 x 72 x 138	7,900
L80-6003-W	□□□	60	1	3	6	120 x 50 x 50 154 x 50 x 50	360	RD	322 x 72 x 193	9,400
L80-7202-W	□□□	72	1	3	6	154 x 50 x 50	411	SD	343 x 63 x 177	7,400
L80-7203-W	□□□	72	1	3	6	154 x 50 x 50	411	RD	356 x 72 x 193	10,300
L80-7211-W	□□□	72	1	2	6	154 x 50 x 50	600	HD	502 x 56 x 122	8,800

Storage Non-Occupancy Buildings for Drums

2-Hour Fire Rated, Single-Sided Access

Great for facilities with inventories of flammable products / chemicals. Non-Occupancy Buildings can easily be placed in existing storage aisles – easing material handling and eliminating the need for costly reconstruction. Modular designs also ease relocation when space/storage needs change.

- Designed for the storage of flammable chemicals or products
- Provides for indoor or outdoor placement – multiple storage tiers and single- or double-sided access to stored chemicals
- Choose between Hinged, Sliding, and Roll-up doors
- UL approved firewalls, designs include 2-hour uni-directional and 4-hour bi-directional fire rated construction

Note:
150 MPH construction available for high wind areas. Contact factory for details.

Single-Sided, Non-Occupancy Buildings — 2-Hour Fire Rated (NOTE: Where two different bay dimensions are given, both sizes are incorporated in the design. Contact factory for details.)

Model Number	Tiers / Bays Structure	Total Capacity per Unit (55 Gal Drums)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Listed Weight (lbs)
L82-0801-W	□	8	1	1	1	120 x 50 x 88	158	HD	160 x 60 x 111	4,200
L82-0803-W	□	8	1	1	1	120 x 50 x 88	158	RD	160 x 75.5 x 121	4,600
L82-0121-W	□	12	1	1	1	154 x 50 x 88	202	HD	194 x 60 x 111	5,000
L82-0123-W	□	12	1	1	1	154 x 50 x 88	202	RD	194 x 75.5 x 121	5,300
L82-1601-W	□□	16	1	1	2	120 x 50 x 88	323	HD	285 x 60 x 111	8,800
L82-1602-W	□□	16	1	1	2	120 x 50 x 88	323	SD	285 x 68.5 x 115	8,800
L82-1603-W	□□	16	1	1	2	120 x 50 x 88	323	RD	298 x 75.5 x 121	9,700
L82-1611-W	□□	16	1	2	2	120 x 50 x 50	158	HD	160 x 60 x 127	5,200
L82-1612-W	□□	16	1	2	2	120 x 50 x 50	158	SD	160 x 69 x 131	5,200
L82-1613-W	□□	16	1	2	2	120 x 50 x 50	158	RD	160 x 75.5 x 138	5,500
L82-2001-W	□□	20	1	1	2	120 x 50 x 88 154 x 50 x 88	360	HD	319 x 60 x 111	9,600
L82-2003-W	□□	20	1	1	2	120 x 50 x 88 154 x 50 x 88	360	RD	332 x 75.5 x 121	10,700
L82-2401-W	□□	24	1	1	2	154 x 50 x 50	411	HD	353 x 60 x 111	10,500
L82-2402-W	□□	24	1	1	2	154 x 50 x 50	411	SD	353 x 69 x 115	10,500
L82-2403-W	□□	24	1	1	2	154 x 50 x 50	411	RD	366 x 75.5 x 121	11,700
L82-2411-W	□□	24	1	2	2	154 x 50 x 50	202	HD	194 x 60 x 127	6,100
L82-2413-W	□□	24	1	2	2	154 x 50 x 50	202	RD	194 x 75.5 x 138	6,500
L82-2423-W	□□	24	1	3	3	120 x 50 x 50	158	RD	160 x 75.5 x 193	7,500
L82-3201-W	□□	32	1	2	4	120 x 50 x 50	323	HD	285 x 60 x 127	10,500
L82-3202-W	□□	32	1	2	4	120 x 50 x 50	323	SD	285 x 68.5 x 131	10,500
L82-3203-W	□□	32	1	2	4	120 x 50 x 50	323	RD	298 x 75.5 x 138	11,600
L82-3602-W	□□	36	1	3	3	154 x 50 x 50	202	RD	194 x 75.5 x 193	8,800
L82-4001-W	□□	40	1	2	4	120 x 50 x 50 154 x 50 x 50	360	HD	319 x 60 x 127	11,600
L82-4003-W	□□	40	1	2	4	120 x 50 x 50 154 x 50 x 50	360	RD	332 x 75.5 x 138	12,800
L82-4801-W	□□	48	1	2	4	154 x 50 x 50	411	HD	353 x 60 x 127	12,700
L82-4802-W	□□	48	1	2	4	154 x 50 x 50	411	SD	353 x 68.5 x 131	12,700
L82-4803-W	□□	48	1	2	4	154 x 50 x 50	411	RD	366 x 75.5 x 138	14,000
L82-6003-W	□□	60	1	3	6	120 x 50 x 50 154 x 50 x 50	360	RD	332 x 75.5 x 193	16,600
L82-7202-W	□□	72	1	3	6	154 x 50 x 50	411	SD	353 x 68.5 x 186	16,400
L82-7203-W	□□	72	1	3	6	154 x 50 x 50	411	RD	366 x 75.5 x 193	18,100
L82-7211-W	□□	72	1	2	6	154 x 50 x 50	600	HD	512 x 60 x 127	17,700

Storage Non-Occupancy Buildings for Drums

4-Hour Fire Rated, Single-Sided Access

Engineered Options for DENIOS 2- and 4-hour Fire Rated Enclosures may include:

- Deflagration panels to redirect destructive forces in case of an explosion
- Fire, fume, or leak detection alarms
- Dry or wet fire suppression systems
- Ventilation systems to remove noxious or ignitable fumes
- Spill containment sumps which meet / exceed EPA, UFC, NFPA, and OSHA regulations
- Heating / cooling options for temperature sensitive chemicals
- Special coatings and materials for the storage of acids, caustics, or corrosives

Note:
150 MPH construction available for high wind areas. Contact factory for details.

Single-Sided, Non-Occupancy Buildings — 4-Hour Fire Rated (NOTE: Where two different bay dimensions are given, both sizes are incorporated in the design. Contact factory for details.)

Model Number	Tiers / Bays Structure	Total Capacity per Unit (55 Gal Drums)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Listed Weight (lbs)
L84-0801-W	□	8	1	1	1	120 x 50 x 88	158	HD	162 x 61 x 112	7,000
L84-0803-W	□	8	1	1	1	120 x 50 x 88	158	RD	162 x 77 x 121	7,400
L84-0121-W	□	12	1	1	1	154 x 50 x 88	202	HD	196 x 61 x 112	8,200
L84-0123-W	□	12	1	1	1	154 x 50 x 88	202	RD	196 x 77 x 121	8,600
L84-1601-W	□□	16	1	1	2	120 x 50 x 88	323	HD	287 x 61 x 112	13,100
L84-1602-W	□□	16	1	1	2	120 x 50 x 88	323	SD	287 x 70 x 116	13,100
L84-1603-W	□□	16	1	1	2	120 x 50 x 88	323	RD	300 x 77 x 121	14,700
L84-1611-W	□□	16	1	2	2	120 x 50 x 50	158	HD	162 x 61 x 128	8,400
L84-1612-W	□□	16	1	2	2	120 x 50 x 50	158	SD	162 x 70 x 132	8,400
L84-1613-W	□□	16	1	2	2	120 x 50 x 50	158	RD	162 x 77 x 138	8,700
L84-2001-W	□□	20	1	1	2	120 x 50 x 88 154 x 50 x 88	360	HD	321 x 61 x 112	14,500
L84-2003-W	□□	20	1	1	2	120 x 50 x 88 154 x 50 x 88	360	RD	334 x 77 x 121	16,100
L84-2401-W	□□	24	1	1	2	154 x 50 x 50	411	HD	355 x 61 x 112	15,800
L84-2402-W	□□	24	1	1	2	154 x 50 x 50	411	SD	355 x 69.5 x 116	15,800
L84-2403-W	□□	24	1	1	2	154 x 50 x 50	411	RD	368 x 76.5 x 121	17,600
L84-2411-W	□□	24	1	2	2	154 x 50 x 50	202	HD	196 x 61 x 128	9,800
L84-2413-W	□□	24	1	2	2	154 x 50 x 50	202	RD	196 x 76.5 x 138	10,200
L84-2423-W	□□	24	1	3	3	120 x 50 x 50	158	RD	162 x 76.5 x 193	12,000
L84-3201-W	□□	32	1	2	4	120 x 50 x 50	323	HD	287 x 61 x 128	15,400
L84-3202-W	□□	32	1	2	4	120 x 50 x 50	323	SD	287 x 69.5 x 132	15,400
L84-3203-W	□□	32	1	2	4	120 x 50 x 50	323	RD	300 x 76.5 x 138	17,200
L84-3603-W	□□	36	1	3	3	154 x 50 x 50	202	RD	196 x 76.5 x 193	14,000
L84-4001-W	□□	40	1	2	4	120 x 50 x 50 154 x 50 x 50	360	HD	321 x 61 x 128	17,000
L84-4003-W	□□	40	1	2	4	120 x 50 x 50 154 x 50 x 50	360	RD	334 x 77 x 138	18,900
L84-4801-W	□□	48	1	2	4	154 x 50 x 50	411	HD	355 x 61 x 128	18,600
L84-4802-W	□□	48	1	2	4	154 x 50 x 50	411	SD	355 x 69.5 x 132	18,600
L84-4803-W	□□	48	1	2	4	154 x 50 x 50	411	RD	368 x 76.5 x 138	20,600
L84-6003-W	□□	60	1	3	6	120 x 50 x 50 154 x 50 x 50	360	RD	334 x 76.5 x 193	25,000
L84-7202-W	□□	72	1	3	6	154 x 50 x 50	411	SD	355 x 69.5 x 187	25,000
L84-7203-W	□□	72	1	3	6	154 x 50 x 50	411	RD	368 x 76.5 x 193	27,200
L84-7211-W	□□	72	1	2	6	154 x 50 x 50	600	HD	514 x 61 x 128	26,000

Storage Non-Occupancy Buildings for Drums

Double-Sided Access

Increase Capacity Without Sacrificing Accessibility

When indoor placement of the Non-Occupancy Building is between aisles or a sufficient pad area exists outdoors, double-sided Non-Occupancy Buildings offer additional capacity without losing access to drums.

- Sump of heavy gauge steel for extended life
- Sump welds are 100% inspected with a low-viscous test to insure leaktightness
- Sump volumes meet EPA & NFPA requirement
- Removable grating for easy clean-up
- Extra strength, tubular steel construction
- Coated with a durable, corrosion and weather resistant finish
- Grounding package includes grounding lug, connection wire, and rod



Double-tiered storage Non-Occupancy Building with hinged doors on both sides, load capacity 48 drums.



Double-sided access, fire rated Non-Occupancy Building fits well in existing aisle way of distribution hub; allowing interior storage of small containers of flammables.

DENIOS Non-Occupancy Buildings are the most efficient and flexible chemical storage systems available.

- Up to three storage tiers.
- With double-sided access.
- Hinged or Sliding Door.
- Move only the pallet(s) you need, eliminating any unnecessary double handling

- Multiple-tiered units provide secure, separate platforms for all pallets – no need to double-stack, greatly reducing material handling risks
- Sump volumes meet EPA and other regulatory requirements
- Passive ventilation prevents fume buildup
- Grounding package included as standard equipment

Note:
Due to their overall height, all triple-tiered units are produced and shipped in two sections. Assembly on site is easy using our complete, step-by-step instructions.

Note:
150 MPH construction available for high wind areas. Contact factory for details.

Double-Sided Non-Occupancy Buildings — Non-Combustible (NOTE: Where two different bay dimensions are given, both sizes are incorporated in the design. Contact factory for details.)

Model Number	Tiers / Bays Structure	Total Capacity per Unit (55 Gal Drums)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Listed Weight (lbs)
L80-1621-W	□	16	2	1	2	120 x 50 x 88	297	HD	150 x 106 x 106	4,500
L80-1622-W	□	16	2	1	2	120 x 50 x 88	297	SD	150 x 121 x 106	4,500
L80-1623-W	□	16	2	1	2	120 x 50 x 88	297	RD	150 x 139 x 121	6,000
L80-2431-W	□	24	2	1	2	154 x 50 x 88	381	HD	184 x 106 x 106	5,300
L80-2433-W	□	24	2	1	2	154 x 50 x 88	381	RD	184 x 139 x 121	7,100
L80-3211-W	□□	32	2	1	4	120 x 50 x 88	600	HD	275 x 106 x 106	7,300
L80-3212-W	□□	32	2	1	4	120 x 50 x 88	600	SD	275 x 121 x 106	7,300
L80-3213-W	□□	32	2	1	4	120 x 50 x 88	600	RD	288 x 139 x 121	10,300
L80-3221-W	□□	32	2	2	4	120 x 50 x 50	297	HD	150 x 106 x 122	5,900
L80-3222-W	□□	32	2	2	4	120 x 50 x 50	297	SD	150 x 121 x 122	5,900
L80-3223-W	□□	32	2	2	4	120 x 50 x 50	297	RD	150 x 139 x 138	7,600
L80-4811-W	□□	48	2	1	4	154 x 50 x 88	767	HD	343 x 106 x 106	8,500
L80-4812-W	□□	48	2	1	4	154 x 50 x 88	767	SD	343 x 121 x 106	8,500
L80-4813-W	□□	48	2	1	4	154 x 50 x 88	767	RD	356 x 139 x 121	12,100
L80-4821-W	□□	48	2	2	4	154 x 50 x 50	381	HD	184 x 106 x 122	6,900
L80-4823-W	□□	48	2	2	4	154 x 50 x 50	381	RD	184 x 139 x 138	8,900
L80-6401-W	□□	64	2	2	4	120 x 50 x 50	323	HD	275 x 106 x 122	9,700
L80-6402-W	□□	64	2	2	4	120 x 50 x 50	323	SD	275 x 121 x 122	9,700
L80-6403-W	□□	64	2	2	4	120 x 50 x 50	323	RD	288 x 139 x 138	13,100
L80-7223-W	□□□	72	2	3	6	154 x 50 x 50	381	RD	184 x 139 x 193	12,000
L80-8001-W	□□	80	2	2	6	120 x 50 x 50 154 x 50 x 50	678	HD	309 x 106 x 122	10,600
L80-8003-W	□□	80	2	2	6	120 x 50 x 50 154 x 50 x 50	678	RD	322 x 139 x 138	14,300
L80-9601-W	□□□	96	2	2	8	154 x 50 x 50	767	HD	343 x 106 x 122	11,500
L80-9602-W	□□□	96	2	2	8	154 x 50 x 50	767	SD	343 x 121 x 122	11,500
L80-9603-W	□□□	96	2	2	8	154 x 50 x 50	767	RD	356 x 139 x 138	15,500
L80-1253-W	□□□	120	2	3	12	120 x 50 x 50 154 x 50 x 50	660	RD	322 x 139 x 193	16,600
L80-1442-W	□□□	144	2	3	12	154 x 50 x 50	767	SD	343 x 121 x 177	13,900
L80-1443-W	□□□	144	2	3	12	154 x 50 x 50	767	RD	356 x 139 x 193	18,000

Storage Non-Occupancy Buildings for Drums

2-Hour Fire Rated, Double-Sided Access

Great for facilities with inventories of flammable products / chemicals. Non-Occupancy Buildings can easily be placed in existing storage aisles – easing material handling and eliminating the need for costly reconstruction. Modular designs also ease relocation when space/storage needs change.

- Designed for the storage of flammable chemicals or products
- Provides for indoor or outdoor placement – multiple storage tiers and single- or double-sided access to stored chemicals
- Choose between Hinged, Sliding, and Roll-up doors
- UL approved firewalls, designs include 2-hour uni-directional and 4-hour bi-directional fire rated construction



Fire rated Cabinets allows for easy loading / unloading of stored drums, keeping personnel out of a potentially hazardous environment. Cabinet shown has double-sided access utilizing fire rated roll-up doors.

Note:
150 MPH construction available for high wind areas. Contact factory for details.

Double-Sided, Non-Occupancy Buildings — 2-Hour Fire Rated (NOTE: Where two different bay dimensions are given, both sizes are incorporated in the design. Contact factory for details.)

Model Number	Tiers / Bays Structure	Total Capacity per Unit (55 Gal Drums)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Listed Weight (lbs)
L82-1621-W	□	16	2	1	2	120 x 50 x 88	297	HD	160 x 108 x 111	7,300
L82-1622-W	□	16	2	1	2	120 x 50 x 88	297	SD	160 x 125 x 115	7,300
L82-1623-W	□	16	2	1	2	120 x 50 x 88	297	RD	160 x 139 x 121	7,900
L82-2431-W	□	24	2	1	3	154 x 50 x 88	381	HD	194 x 108 x 111	8,500
L82-2433-W	□	24	2	1	2	154 x 50 x 88	381	RD	194 x 139 x 121	9,300
L82-3211-W	□□	32	2	1	4	120 x 50 x 88	600	HD	285 x 108 x 111	15,600
L82-3212-W	□□	32	2	1	4	120 x 50 x 88	600	SD	285 x 125 x 115	15,600
L82-3213-W	□□	32	2	1	4	120 x 50 x 88	600	RD	298 x 139 x 121	17,600
L82-3221-W	□□	32	2	2	4	120 x 50 x 50	297	HD	160 x 108 x 127	8,900
L82-3222-W	□□	32	2	2	4	120 x 50 x 50	297	SD	160 x 125 x 131	8,900
L82-3223-W	□□	32	2	2	4	120 x 50 x 50	297	RD	160 x 139 x 138	9,600
L82-4811-W	□□	48	2	1	4	154 x 50 x 88	767	HD	353 x 108 x 111	18,700
L82-4812-W	□□	48	2	1	4	154 x 50 x 88	767	SD	353 x 125 x 115	18,700
L82-4813-W	□□	48	2	1	4	154 x 50 x 88	767	RD	366 x 139 x 121	21,100
L82-4821-W	□□	48	2	2	4	154 x 50 x 50	381	HD	194 x 108 x 127	10,400
L82-4823-W	□□	48	2	2	4	154 x 50 x 50	381	RD	194 x 139 x 138	11,200
L82-6401-W	□□	64	2	2	4	120 x 50 x 50	323	HD	285 x 108 x 127	18,600
L82-6402-W	□□	64	2	2	4	120 x 50 x 50	323	SD	285 x 125 x 131	18,600
L82-6403-W	□□	64	2	2	4	120 x 50 x 50	323	RD	298 x 139 x 138	20,700
L82-7223-W	□□	72	2	3	6	154 x 50 x 50	381	RD	194 x 139 x 193	14,800
L82-8001-W	□□	80	2	2	4	120 x 50 x 50 154 x 50 x 50	678	HD	319 x 108 x 127	20,400
L82-8003-W	□□	80	2	2	4	120 x 50 x 50 154 x 50 x 50	678	RD	332 x 139 x 138	22,800
L82-9601-W	□□	96	2	2	8	154 x 50 x 50	767	HD	353 x 108 x 127	22,300
L82-9602-W	□□	96	2	2	8	154 x 50 x 50	767	SD	353 x 125 x 131	22,300
L82-9603-W	□□	96	2	2	8	154 x 50 x 50	767	RD	366 x 139 x 138	24,900
L82-1253-W	□□	120	2	3	6	120 x 50 x 50 154 x 50 x 50	660	RD	332 x 139 x 193	29,200
L82-1442-W	□□	144	2	3	12	154 x 50 x 50	767	SD	353 x 125 x 186	28,600
L82-1443-W	□□	144	2	3	12	154 x 50 x 50	767	RD	366 x 139 x 193	31,800

Storage Non-Occupancy Buildings for Drums

4-Hour Fire Rated, Double-Sided Access

Engineered Options for DENIOS 2- and 4-hour Fire Rated Enclosures may include:

- Deflagration panels to redirect destructive forces in case of an explosion
- Fire, fume, or leak detection alarms
- Dry or wet fire suppression systems
- Ventilation systems to remove noxious or ignitable fumes
- Spill containment sumps which meet / exceed EPA, UFC, NFPA, and OSHA regulations
- Heating / cooling options for temperature sensitive chemicals
- Special coatings and materials for the storage of acids, caustics, or corrosives

Note:
150 MPH construction available for high wind areas. Contact factory for details.

Double-Sided, Non-Occupancy Buildings — 4-Hour Fire Rated (NOTE: Where two different bay dimensions are given, both sizes are incorporated in the design. Contact factory for details.)

Model Number	Tiers / Bays Structure	Total Capacity per Unit (55 Gal Drums)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Listed Weight (lbs)
L84-1621-W	□	16	2	1	2	120 x 50 x 88	297	HD	162 x 108 x 112	10,300
L84-1622-W	□	16	2	1	2	120 x 50 x 88	297	SD	162 x 125 x 116	10,300
L84-1623-W	□	16	2	1	2	120 x 50 x 88	297	RD	162 x 139 x 121	11,000
L84-2431-W	□	24	2	1	3	154 x 50 x 88	381	HD	196 x 108 x 112	11,800
L84-2433-W	□	24	2	1	2	154 x 50 x 88	381	RD	196 x 139 x 121	12,600
L84-3211-W	□□	32	2	1	4	120 x 50 x 88	600	HD	287 x 108 x 112	18,200
L84-3212-W	□□	32	2	1	4	120 x 50 x 88	600	SD	287 x 125 x 116	18,200
L84-3213-W	□□	32	2	1	4	120 x 50 x 88	600	RD	300 x 139 x 121	20,900
L84-3221-W	□□	32	2	2	4	120 x 50 x 50	297	HD	162 x 108 x 128	12,200
L84-3222-W	□□	32	2	2	4	120 x 50 x 50	297	SD	162 x 125 x 132	12,200
L84-3223-W	□□	32	2	2	4	120 x 50 x 50	297	RD	162 x 139 x 138	13,000
L84-4811-W	□□	48	2	1	4	154 x 50 x 88	767	HD	355 x 108 x 112	21,600
L84-4812-W	□□	48	2	1	4	154 x 50 x 88	767	SD	355 x 125 x 116	21,600
L84-4813-W	□□	48	2	1	4	154 x 50 x 88	767	RD	368 x 139 x 121	24,700
L84-4821-W	□□	48	2	2	4	154 x 50 x 50	381	HD	196 x 108 x 128	14,000
L84-4823-W	□□	48	2	2	4	154 x 50 x 50	381	RD	196 x 139 x 138	14,900
L84-6401-W	□□	64	2	2	4	120 x 50 x 50	323	HD	287 x 108 x 128	21,300
L84-6402-W	□□	64	2	2	4	120 x 50 x 50	323	SD	287 x 125 x 132	21,300
L84-6403-W	□□	64	2	2	4	120 x 50 x 50	323	RD	300 x 139 x 138	24,300
L84-7223-W	□□	72	2	3	6	154 x 50 x 50	381	RD	196 x 139 x 193	19,500
L84-8001-W	□□	80	2	2	4	120 x 50 x 50 154 x 50 x 50	678	HD	321 x 108 x 128	23,300
L84-8003-W	□□	80	2	2	4	120 x 50 x 50 154 x 50 x 50	678	RD	334 x 139 x 138	26,500
L84-9601-W	□□	96	2	2	8	154 x 50 x 50	767	HD	355 x 108 x 128	25,200
L84-9602-W	□□	96	2	2	8	154 x 50 x 50	767	SD	355 x 125 x 132	25,200
L84-9603-W	□□	96	2	2	8	154 x 50 x 50	767	RD	368 x 139 x 138	28,600
L84-1253-W	□□	120	2	3	6	120 x 50 x 50 154 x 50 x 50	660	RD	334 x 139 x 193	31,200
L84-1442-W	□□	144	2	3	12	154 x 50 x 50	767	SD	355 x 125 x 187	29,300
L84-1443-W	□□	144	2	3	12	154 x 50 x 50	767	RD	368 x 139 x 193	33,500

Horizontal Storage Non-Occupancy Buildings

Dispense & Store Hazardous materials over a containment sump while providing spill compliance with Federal Regulations.

- Fully welded tubular frame construction
- Double- or triple-tiered models maximize storage efficiency
- Passive ventilation included
- Grounding package includes grounding lug, connector and rod
- 2 and 4-hour fire rated designs also available - please see website
- 55-gallon drum dispensing station
- Sump welds are 100% inspected with a low-viscous test to insure leaktightness



Double-tiered Non-Occupancy Building out-fitted for horizontal placement of drums and with an optional vinyl curtain door.

Single-Sided, Non-Occupancy Buildings — Non-Combustible

Model Number	Tiers / Bays Structure	Total Capacity per Unit (55 Gal Drums)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Door Style	Exterior Dimensions (in) L x D x H	Listed Weight (lbs)
L16-1001-W	☐	10	1	2	2	154 x 50 x 34	208	HD	184 x 56 x 106	2,600
L16-1501-W	☐☐	15	1	3	3	154 x 50 x 29	208	HD	184 x 56 x 122	3,000
L16-2002-W	☐☐☐	20	1	2	4	154 x 50 x 34	417	SD	343 x 56 x 106	5,100
L16-3002-W	☐☐☐☐	30	1	3	6	154 x 50 x 29	417	SD	343 x 56 x 122	6,000

Open Storage Systems

Ideal for Indoor Storage of Non-Flammables and Non-Combustibles, where fumes and separation are not factors

- Constructed of heavy gauge steel for extended life
- Sump volumes meet or exceed EPA requirements
- Removable, galvanized steel grating
- Coated with a durable, corrosion resistant finish
- Greater sump volumes available upon request



4-bay / double-tiered storage system hold up to 48 drums.

Single-Sided Access — Open Storage

Model Number	Tiers / Bays Structure	Total Capacity per Unit (55 Gal Drums)	Access Sides	Number of Storage Tiers	Number of Storage Bays	Bay Dimensions (in) L x D x H	Sump Volume (gal)	Exterior Dimensions (ft) L x D x H	Listed Weight (lbs)
L12-3104	☐	24	1	2	2	154 x 50.5 x 50	202	14 x 5 x 7	2,900
L12-3107	☐☐	36	1	3	3	154 x 50.5 x 50	202	14 x 5 x 12	3,400
L12-3144	☐☐☐	48	1	2	4	154 x 50.5 x 50	411	27 x 5 x 7	5,700
L12-3150	☐☐☐☐	72	1	3	6	154 x 50.5 x 50	411	27 x 5 x 12	6,300

Custom Engineered Storage Non-Occupancy Buildings

Engineered Solutions for Your Unique Applications

DENIOS Engineering leads the industry in the design and manufacture of customized enclosures designed for the safe storage of chemicals.

We provide solutions for the safe storage of:

- Flammables or flammable / explosive processes
- Acids or caustic chemicals
- Temperature sensitive chemicals, whether for preservation heating / cooling or process heating / cooling



Heated Non-Occupancy Building for processing stored chemicals.

Contact Us:

For questions about any of your hazardous chemicals storage or processing needs, contact us at [866-384-4889](tel:866-384-4889) or at info2@denios-us.com



Heated Non-Occupancy Building for processing stored chemicals.

Temperature Controlled Storage Non-Occupancy Buildings

Heating and Cooling Options for Preserving or Processing Chemicals

DENIOS Temperature Controlled Enclosures can be designed for preservation heating / cooling of temperature sensitive chemicals or provide higher temperatures for process heating

- Designs provide thermostatically controlled steam, heat transfer fluid, or electrical heat and air cooling systems
- Air circulation / ventilation systems ensure proper heat / cooling distribution
- Enclosures are constructed with fully insulated, fire resistant walls and doors
- Typically employ hinged doors with perimeter gasketing and multi-point latching locks to maintain internal temperatures
- As with all DENIOS enclosures, structures feature an enclosed, compliant spill containment sump

Safe Solutions for Chemical Processing

Process heating / cooling of chemicals has inherent dangers. DENIOS enclosures address many of those risks through their standard construction and with many safety options.

- Insulated, 2-hour fire rated wall construction (standard on all models)
- Explosion relief panels
- Over temperature controls / alarm systems
- Explosion-proof mechanical exhaust ventilation
- In addition, all models are suitable for outdoor placement, away from personnel and facilities
- Can achieve temperature ranges from 0°F to 300°F

Contact Us:

For questions about any of your hazardous chemicals storage or processing needs, contact us at ☎ **866-384-4889** or at ✉ **info2@denios-us.com**



Industries served by DENIOS temperature controlled enclosures include:

- Foods and flavorings
- Pharmaceuticals
- Cosmetics
- Paint and ink manufacturing
- Chemicals
- Rubber and plastics

Effective solutions for thermal processing of materials.

- Optimal solution for thermal treatment of large and small amounts of stored material
- High capacity: up to 48 x 55 gallon drums or 12 IBCs
- Heat output and air circulation are perfectly adjusted and are combined with uniform heat distribution to ensure a uniform temperature profile



Heating Non-Occupancy Buildings with electric heating and circulating air fan for optimal air circulation.



Fire rated Non-Occupancy Building with cooling for oils / lubricants.



Double-sided Non-Occupancy Building used for process heating / cooling of flavorings.

Introduction to Chemical Storage Occupancy Buildings

Secure and Store Hazardous Chemicals and Processes Away from Personnel / Facilities

DENIOS Chemical Storage Occupancy Building designs provide more storage flexibility, enhancing the efficiency of the structure over competitive models. Choose from over 25 standard sizes to provide the optimal space for storing your hazardous chemicals or processes.

Designed for occupancy by personnel, DENIOS also provides numerous options to enhance safety, efficiency, and security in all our Occupancy Buildings. DENIOS Chemical Storage Occupancy Buildings carry FM Approval.

Sizes and Styles

- Available in 8, 10 and 12 foot widths with lengths from 8 to 52 feet
- All units are built to accommodate indoor or outdoor placement. Door styles include hinged doors and roll-up doors and can be designed in multiple configurations
- Non-Combustible, fire rated, and temperature controlled models available

Popular Applications

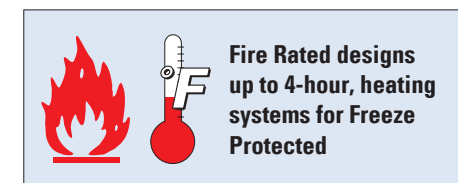
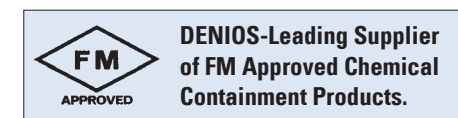
- Process enclosures: Pumping, mixing, dispensing, paint kitchen
- Remote storage: Waste collection, fuel dispensing
- Agricultural chemical storage: Parks and recreation, golf courses
- Secured storage and separation: Toxic, dangerous, valuable materials
- HazMat storage of drums handled by hand
- Fuel component enclosures
- Battery testing enclosures

Applicable Regulations

DENIOS designs its HazMat storage Occupancy Buildings to be compliant with all recognized National Codes and generally accepted national standards.

In addition to federal and local regulations, risk management organizations such as Factory Mutual (FM Global) have developed their own standards.

Most DENIOS HazMat storage Occupancy Buildings for outdoor placement can be shipped bearing the FM approval label.



For your further reference

Hazardous materials storage is regulated by EPA at the federal level by the Code of Federal Regulations (40 CFR).

At the state and local level, Fire Codes such as IFC, UFC, NFPA 30 (Storage and Handling of Flammable Liquids), Building Codes (UBC & IBC) and other requirements specific to State and Local jurisdictions may also apply.

Typical local code issues include: wind load, snow load, seismic zone, fire rating and separation of flammable storage from the nearest building.

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.



16 x 8 storage Occupancy Building can be engineered for the storage of chemicals or housing of chemical processes.



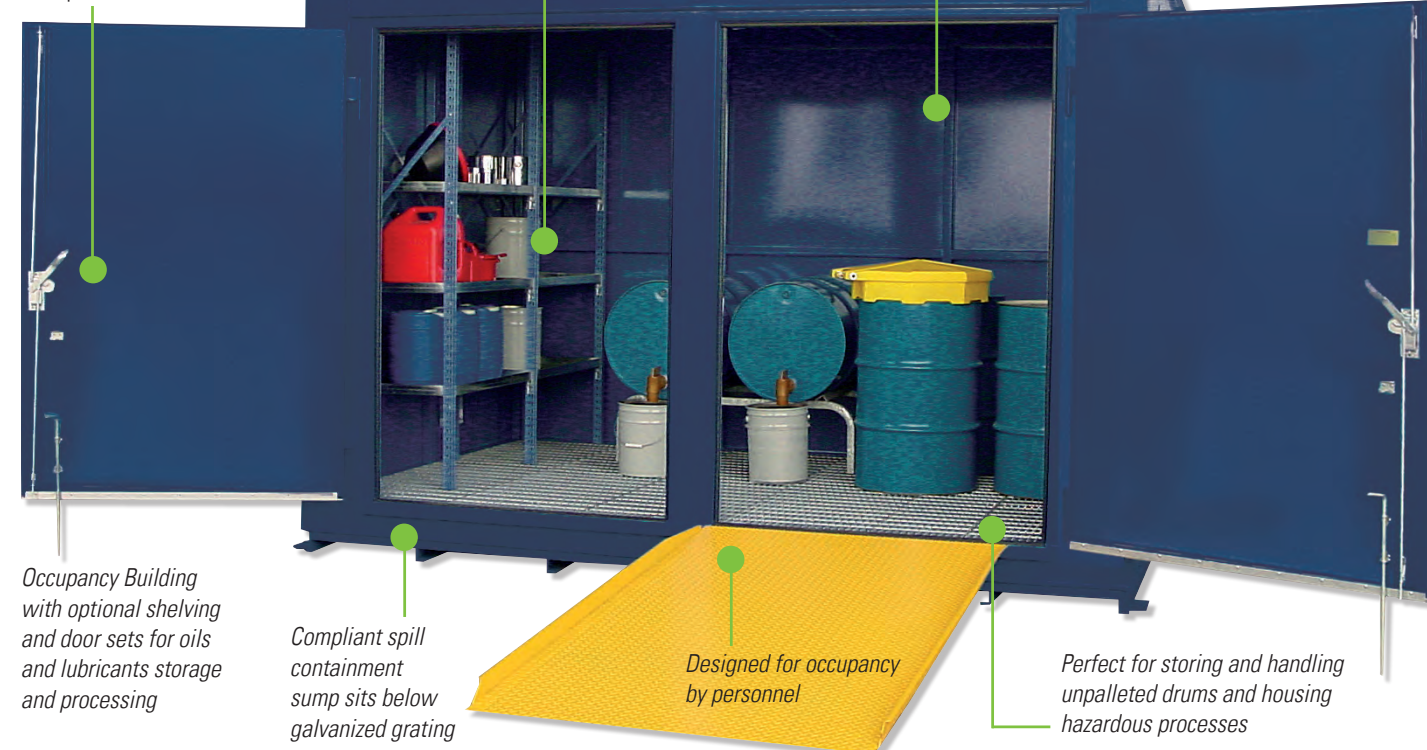
DENIOS Occupancy Building designs include 2- and 4-hour fire rated construction.

Lifting eyes and forklift access allow for easy relocation

8, 10, and 12 foot depths allow for addition of shelving for smaller containers / tools

Constructed of an 11 gauge tubular frame with 16 gauge steel walls

Choose among multiple door sets



Occupancy Building with optional shelving and door sets for oils and lubricants storage and processing

Compliant spill containment sump sits below galvanized grating

Designed for occupancy by personnel

Perfect for storing and handling unpalletted drums and housing hazardous processes



This 28 x 8 storage Occupancy Building holds up to 39 drums. Seen here with optional door sets and integrated shelving package.

Standard Storage Occupancy Buildings

Non-Combustible

Our new line of Basic Buildings provides secure, durable, spill contained storage for chemicals and supplies

A better alternative to standard storage sheds, providing longer life and more storage capacities while still providing economy. Great for outdoor storage of maintenance equipment, fuels, oils and other chemicals.

- Medium gauge steel corrugated wall design provides strength and stability with economy
- Keyed man doors for easy entrance/exit and security (Double door designs also available)
- Sump of heavy gauge steel for extended life and are 100% inspected with a low-viscous test to insure leaktightness
- Sump capacities meet EPA & UFC requirements
- Removable grating for easy clean-up of spills
- Choose between depths of 6.5 and 9.5 feet with lengths from 6.5 to 21.5 feet (nominal dimensions)
- Coated with a durable, corrosion resistant finish, walls and roof pre-primed for additional protection
- Options include shelving, ramp, sump drain, and interior/exterior lights

new



\$ 11,316.00

Order No. L42-1506



\$ 13,114.00

Order No. L42-2106

Standard Storage Occupancy Buildings

Non-Combustible

new



\$ 11,803.00

Order No. L42-1209



\$ 10,302.00

Order No. L42-0909

Occupancy Buildings —

Order Number	Total Capacity per Unit (8 Ft Wide 3 Drums Deep)	Floor Load Capacity (lbs)	Sump Volume (gal)	Interior Dimensions D x L x H (in)	Exterior Dimensions (vent hoods included) D x L x H (ft)	Shipping Weight (lbs)	Price
L42-0606	9	250	135	72.5 x 72.5 x 89	6.5 x 7.5 x 7.5	2,000	\$ 8,139.00
L42-0906	12	250	202	72.5 x 108.75 x 89	6.5 x 10.5 x 7.5	2,500	\$ 9,424.00
L42-1206	18	250	270	72.5 x 145 x 89	6.5 x 13.5 x 7.5	3,000	\$ 10,647.00
L42-1506	21	250	338	72.5 x 181.25 x 89	6.5 x 16.5 x 7.5	3,500	\$ 11,316.00
L42-1806	27	250	406	72.5 x 217.5 x 89	6.5 x 19.5 x 7.5	4,000	\$ 12,175.00
L42-2106	30	250	474	72.5 x 253.75 x 89	6.5 x 22.5 x 7.5	4,500	\$ 13,114.00
L42-0909	16	250	304	108.75 x 108.75 x 89	9.5 x 10.5 x 7.5	3,500	\$ 10,302.00
L42-1209	24	250	406	108.75 x 145 x 89	9.5 x 13.5 x 7.5	4,000	\$ 11,803.00
L42-1509	30	250	508	108.75 x 181.25 x 89	9.5 x 16.5 x 7.5	4,500	\$ 13,104.00
L42-1809	36	250	610	108.75 x 217.5 x 89	9.5 x 19.5 x 7.5	5,000	\$ 13,437.00
L42-2109	40	250	712	108.75 x 253.75 x 89	9.5 x 22.5 x 7.5	5,500	\$ 14,284.00

Premium Storage Occupancy Buildings

8' Depth, Non-Combustible

The Solution to Securing and Storing Hazardous Chemicals and Processes

Walk-In / Occupancy Enclosed Storage Occupancy Buildings are ideal for storing drums and smaller containers when frequent access is required to store, mix or dispense. Once inside, you are able to work with the materials over an internal spill sump.

These Premium non-combustible structures feature solidly welded frame construction and

can be fire rated, insulated, heated or cooled as individual requirements dictate.

- Numerous sizes and options to match your specific requirements.
- Corrosion and weather resistant finish

- Removable, galvanized steel grating for easy clean-up of spills

- Sump volumes which exceed EPA, UFC, NFPA, and OSHA regulations

- Grounding package includes grounding lugs, connector and rod

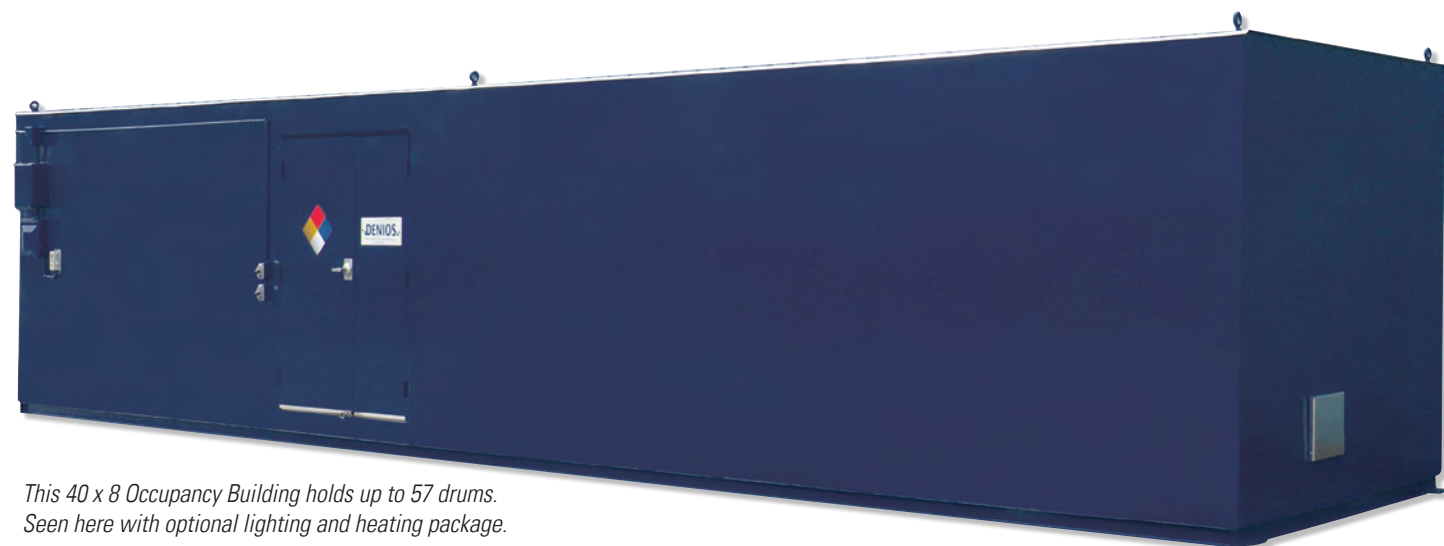
- Relocatable via forklift or crane



Standard 10 x 8 Occupancy Building with optional crane for material handling.

Contact Us:

For questions about any of your hazardous chemicals storage or processing needs, contact us at ☎ **866-384-4889** or at ✉ **info2@denios-us.com**



This 40 x 8 Occupancy Building holds up to 57 drums. Seen here with optional lighting and heating package.

Maximize your storage capabilities! Add shelving around the perimeter of the Walk-In Occupancy Building to store small containers along with your 55-gallon drums.

- FM Approved
- Doors provided with inside release features
- Standard designs feature a single leaf door; Occupancy Buildings can be constructed with more door sets if required
- Shelving may be added to store small containers
- Ramps are available for manual drum loading



Customized Occupancy Building provides added height and storage for up to 12 drums. Standard model is L53-1008.

Note:
150 MPH construction available for high wind areas. Contact factory for details.

F M APPROVED
DENIOS-Leading Supplier of FM Approved Chemical Containment Products.

Occupancy Buildings — 8' Depth							
Model Number	Total Drum Capacity per Unit (8 Ft Wide 5 Drums Deep)	Floor Load Capacity (psf)	Sump Volume (gal)	Interior Dimensions L x D x H (in)	Exterior Dimensions (vent hoods included) L x D x H (ft)	Shipping Weight (lbs)	FM Approved
L53-0808-FM	9	250	205	89 x 88 x 86	10 x 8 x 9	2900	Yes
L53-1008-FM	12	250	260	113 x 88 x 86	12 x 8 x 9	3900	Yes
L53-1208-FM	15	250	315	137 x 88 x 86	14 x 8 x 9	3900	Yes
L53-1408-FM	18	250	370	161 x 88 x 86	16 x 8 x 9	4300	Yes
L53-1608-FM	21	250	425	185 x 88 x 86	18 x 8 x 9	4800	Yes
L53-1808-FM	24	250	480	209 x 88 x 86	20 x 8 x 9	5300	Yes
L53-2008-FM	27	250	536	233 x 88 x 86	22 x 8 x 9	5800	Yes
L53-2208-FM	30	250	591	257 x 88 x 86	24 x 8 x 9	6300	Yes
L53-2408-FM	33	250	646	281 x 88 x 86	26 x 8 x 9	6800	Yes
L53-2608-FM	36	250	701	305 x 88 x 86	28 x 8 x 9	7300	Yes
L53-2808-FM	39	250	756	329 x 88 x 86	30 x 8 x 9	7700	Yes
L53-3008-FM	42	250	811	353 x 88 x 86	32 x 8 x 9	8200	Yes
L53-3208-FM	45	250	867	377 x 88 x 86	34 x 8 x 9	8700	Yes
L53-3408-FM	48	250	922	401 x 88 x 86	36 x 8 x 9	9200	Yes
L53-3608-FM	51	250	977	425 x 88 x 86	38 x 8 x 9	9700	Yes
L53-3808-FM	54	250	1032	449 x 88 x 86	40 x 8 x 9	10200	Yes
L53-4008-FM	57	250	1087	473 x 88 x 86	42 x 8 x 9	10700	Yes
L53-4208-FM	60	250	1142	497 x 88 x 86	44 x 8 x 9	11100	Yes
L53-4408-FM	63	250	1198	521 x 88 x 86	46 x 8 x 9	11600	Yes
L53-4608-FM	66	250	1253	545 x 88 x 86	48 x 8 x 9	12100	Yes
L53-4808-FM	69	250	1308	569 x 88 x 86	50 x 8 x 9	12600	Yes
L53-5008-FM	72	72	1363	593 x 88 x 86	52 x 8 x 9	13100	Yes
L53-5208-FM	75	75	1418	617 x 88 x 86	54 x 8 x 9	13600	Yes

Interior dimensions shown are for non-combustible units. Fire rated designs differ, please contact factory for details.

Premium Storage Occupancy Buildings

10' Depth, Non-Combustible



Note:
150 MPH construction available for high wind areas. Contact factory for details.

40 x 10 Building holds up to 76 drums. Shown here with lighting and fan forced heating system.

Occupancy Buildings, Non-Combustible — 10ft Depth

Model Number	Total Drum Capacity per Unit (10 Ft Wide 4 Drums Deep)	Floor Load Capacity (psf)	Sump Volume (gal)	Interior Dimensions L x D x H (in)	Exterior Dimensions (vent hoods included) L x D x H (ft)	Shipping Weight (lbs)	FM Approved
L53-1010-W	16	250	330	113 x 112.5 x 86	12 x 10 x 9	4700	Yes
L53-1210-W	20	250	400	137 x 112.5 x 86	14 x 10 x 9	5500	Yes
L53-1410-W	24	250	470	161 x 112.5 x 86	16 x 10 x 9	6200	Yes
L53-1610-W	28	250	541	185 x 112.5 x 86	18 x 10 x 9	6900	Yes
L53-1810-W	32	250	611	209 x 112.5 x 86	20 x 10 x 9	7600	Yes
L53-2010-W	36	250	681	233 x 112.5 x 86	22 x 10 x 9	8300	Yes
L53-2210-W	40	250	751	257 x 112.5 x 86	24 x 10 x 9	9100	Yes
L53-2410-W	44	250	821	281 x 112.5 x 86	26 x 10 x 9	9800	Yes
L53-2610-W	48	250	891	305 x 112.5 x 86	28 x 10 x 9	10500	Yes
L53-2810-W	52	250	961	329 x 112.5 x 86	30 x 10 x 9	11200	Yes
L53-3010-W	56	250	1031	353 x 112.5 x 86	32 x 10 x 9	12000	Yes
L53-3210-W	60	250	1102	377 x 112.5 x 86	34 x 10 x 9	12700	Yes
L53-3410-W	64	250	1172	401 x 112.5 x 86	36 x 10 x 9	13400	Yes
L53-3610-W	68	250	1242	425 x 112.5 x 86	38 x 10 x 9	14100	Yes
L53-3810-W	72	250	1312	449 x 112.5 x 86	40 x 10 x 9	14800	Yes
L53-4010-W	76	250	1382	473 x 112.5 x 86	42 x 10 x 9	15600	Yes
L53-4210-W	80	250	1452	497 x 112.5 x 86	44 x 10 x 9	16300	Yes
L53-4410-W	84	250	1522	521 x 112.5 x 86	46 x 10 x 9	17000	Yes
L53-4610-W	88	250	1593	545 x 112.5 x 86	48 x 10 x 9	17700	Yes
L53-4810-W	92	250	1663	569 x 112.5 x 86	50 x 10 x 9	18500	Yes
L53-5010-W	96	250	1733	593 x 112.5 x 86	52 x 10 x 9	19200	Yes
L53-5210-W	100	250	1803	617 x 112.5 x 86	54 x 10 x 9	19900	Yes

Premium Storage Occupancy Buildings

12' Depth, Non-Combustible



FM APPROVED
DENIOS-Leading Supplier of FM Approved Chemical Containment Products.

Note:
150 MPH construction available for high wind areas. Contact factory for details.

24 x 12 processing Building with XP lighting, alarm and heating package. Shown with optional door set.

Occupancy Buildings, Non-Combustible — 12ft Depth

Model Number	Total Drum Capacity per Unit (12 Ft Wide 5 Drums Deep)	Floor Load Capacity (psf)	Sump Volume (gal)	Interior Dimensions L x D x H (in)	Exterior Dimensions (vent hoods included) L x D x H (ft)	Shipping Weight (lbs)	FM Approved
L53-1212-W	25	250	464	137 x 130.5 x 86	14 x 12 x 9	8100	Yes
L53-1412-W	30	250	546	161 x 130.5 x 86	16 x 12 x 9	8900	Yes
L53-1612-W	35	250	627	185 x 130.5 x 86	18 x 12 x 9	9800	Yes
L53-1812-W	40	250	708	209 x 130.5 x 86	20 x 12 x 9	10600	Yes
L53-2012-W	45	250	790	233 x 130.5 x 86	22 x 12 x 9	11400	Yes
L53-2212-W	50	250	871	257 x 130.5 x 86	24 x 12 x 9	12200	Yes
L53-2412-W	55	250	952	281 x 130.5 x 86	26 x 12 x 9	13000	Yes
L53-2612-W	60	250	1034	305 x 130.5 x 86	28 x 12 x 9	13800	Yes
L53-2812-W	65	250	1115	329 x 130.5 x 86	30 x 12 x 9	14700	Yes
L53-3012-W	70	250	1197	353 x 130.5 x 86	32 x 12 x 9	15500	Yes
L53-3212-W	75	250	1278	377 x 130.5 x 86	34 x 12 x 9	16300	Yes
L53-3412-W	80	250	1359	401 x 130.5 x 86	36 x 12 x 9	17100	Yes
L53-3612-W	85	250	1441	425 x 130.5 x 86	38 x 12 x 9	17900	Yes
L53-3812-W	90	250	1522	449 x 130.5 x 86	40 x 12 x 9	18700	Yes
L53-4012-W	95	250	1603	473 x 130.5 x 86	42 x 12 x 9	19600	Yes
L53-4212-W	100	250	1685	497 x 130.5 x 86	44 x 12 x 9	20400	Yes
L53-4412-W	105	250	1766	521 x 130.5 x 86	46 x 12 x 9	21200	Yes
L53-4612-W	110	250	1847	545 x 130.5 x 86	48 x 12 x 9	22000	Yes
L53-4812-W	115	250	1929	569 x 130.5 x 86	50 x 12 x 9	22800	Yes
L53-5012-W	120	250	2010	593 x 130.5 x 86	52 x 12 x 9	23600	Yes
L53-5212-W	125	250	2091	617 x 130.5 x 86	54 x 12 x 9	24500	Yes

Premium Storage Occupancy Buildings

8' Depth, 2-Hour Fire Rated

Customized Chemical Storage and Processing Solutions

Provide the Added Security of Fire Rated Construction

DENIOS Engineering leads the industry in the design and manufacture of customized enclosures designed for the safe storage of chemicals.

DENIOS Fire Rated Occupancy Buildings

- Primarily used for the storage flammable chemicals or processes
- Provide pre-engineered rooms separating flammable chemicals and/or processes such as pumping, dispensing, or mixing
- Designs allow for indoor or outdoor placement Interior walls can be added to separate dangerous chemicals from processes

Engineered Options for DENIOS Fire rated Enclosures may include:

- UL approved firewalls, designs include 2- and 4-hour rated construction
- Deflagration panels to redirect destructive forces in case of an explosion
- Fire, fume, or leak detection alarms
- Dry or wet fire suppression systems
- Ventilation systems to remove noxious or ignitable fumes
- Spill containment sumps which meet / exceed EPA, UFC, NFPA, and OSHA regulations
- Heating / cooling options for temperature sensitive chemicals
- Special coatings and materials for the storage of acids, caustics, or corrosives



10 x 10 fire rated Building, optional ramp eases material handling in and out of the building.

Premium Storage Occupancy Buildings

8' Depth, 2-Hour Fire Rated



Note:
150 MPH construction available for high wind areas. Contact factory for details.

10 x 10 Building with options including alarm, fire suppression system, and mechanical ventilation.

Occupancy Buildings — 2-hour fire rated; 8ft depth

Order Number	Total Capacity per Unit (8 Ft Wide 3 Drums Deep)	Floor Load Capacity (lbs)	Sump Volume (gal)	Interior Dimensions L x D x H (in)	Exterior Dimensions (vent hoods included) L x D x H (ft)	Shipping Weight (lbs)	FM Approved
L74-0808-W	9	250	157	78 x 77.5 x 86	10 x 8 x 9	6,000	Yes
L74-1008-W	12	250	205	102 x 77.5 x 86	12 x 8 x 9	7,000	Yes
L74-1208-W	15	250	254	126 x 77.5 x 86	14 x 8 x 9	8,000	Yes
L74-1408-W	18	250	302	150 x 77.5 x 86	16 x 8 x 9	9,000	Yes
L74-1608-W	21	250	350	174 x 77.5 x 86	18 x 8 x 9	9,900	Yes
L74-1808-W	24	250	399	198 x 77.5 x 86	20 x 8 x 9	10,900	Yes
L74-2008-W	27	250	447	222 x 77.5 x 86	22 x 8 x 9	11,900	Yes
L74-2208-W	30	250	495	246 x 77.5 x 86	24 x 8 x 9	12,900	Yes
L74-2408-W	33	250	544	270 x 77.5 x 86	26 x 8 x 9	13,900	Yes
L74-2608-W	36	250	592	294 x 77.5 x 86	28 x 8 x 9	14,900	Yes
L74-2808-W	39	250	640	318 x 77.5 x 86	30 x 8 x 9	15,900	Yes
L74-3008-W	42	250	688	342 x 77.5 x 86	32 x 8 x 9	16,900	Yes
L74-3208-W	45	250	737	366 x 77.5 x 86	34 x 8 x 9	17,900	Yes
L74-3408-W	48	250	785	390 x 77.5 x 86	36 x 8 x 9	18,900	Yes
L74-3608-W	51	250	833	414 x 77.5 x 86	38 x 8 x 9	19,900	Yes
L74-3808-W	54	250	882	438 x 77.5 x 86	40 x 8 x 9	20,900	Yes
L74-4008-W	57	250	930	462 x 77.5 x 86	42 x 8 x 9	21,900	Yes
L74-4208-W	60	250	978	486 x 77.5 x 86	44 x 8 x 9	22,900	Yes
L74-4408-W	63	250	1027	510 x 77.5 x 86	46 x 8 x 9	23,900	Yes
L74-4608-W	66	250	1075	534 x 77.5 x 86	48 x 8 x 9	24,900	Yes
L74-4808-W	69	250	1123	558 x 77.5 x 86	50 x 8 x 9	25,900	Yes
L74-5008-W	72	250	1172	582 x 77.5 x 86	52 x 8 x 9	26,900	Yes
L74-5208-W	75	250	1220	606 x 77.5 x 86	54 x 8 x 9	27,800	Yes

Premium Storage Occupancy Buildings

10' Depth, 2-Hour Fire Rated



Note:
150 MPH construction available for high wind areas. Contact factory for details.

16 x 10 Building holds up to 28 drums. Shown here with optional door set.

Occupancy Buildings — 2-hour fire rated; 10ft depth

Model Number	Total Capacity per Unit (10 Ft Wide 4 Drums Deep)	Floor Load Capacity (lbs)	Sump Volume (gal)	Interior Dimensions L x D x H (in)	Exterior Dimensions (vent hoods included) L x D x H (ft)	Shipping Weight (lbs)	FM Approved
L74-1010-W	16	250	269	102 x 101.5 x 86	12 x 10 x 9	8,400	Yes
L74-1210-W	20	250	332	126 x 101.5 x 86	14 x 10 x 9	9,500	Yes
L74-1410-W	24	250	395	150 x 101.5 x 86	16 x 10 x 9	10,700	Yes
L74-1610-W	28	250	459	174 x 101.5 x 86	18 x 10 x 9	11,800	Yes
L74-1810-W	32	250	522	198 x 101.5 x 86	20 x 10 x 9	12,900	Yes
L74-2010-W	36	250	585	222 x 101.5 x 86	22 x 10 x 9	14,100	Yes
L74-2210-W	40	250	649	246 x 101.5 x 86	24 x 10 x 9	15,200	Yes
L74-2410-W	44	250	712	270 x 101.5 x 86	26 x 10 x 9	16,300	Yes
L74-2610-W	48	250	775	294 x 101.5 x 86	28 x 10 x 9	17,500	Yes
L74-2810-W	52	250	838	318 x 101.5 x 86	30 x 10 x 9	18,600	Yes
L74-3010-W	56	250	902	342 x 101.5 x 86	32 x 10 x 9	19,700	Yes
L74-3210-W	60	250	965	366 x 101.5 x 86	34 x 10 x 9	20,900	Yes
L74-3410-W	64	250	1028	390 x 101.5 x 86	36 x 10 x 9	22,000	Yes
L74-3610-W	68	250	1091	414 x 101.5 x 86	38 x 10 x 9	23,100	Yes
L74-3810-W	72	250	1155	438 x 101.5 x 86	40 x 10 x 9	24,300	Yes
L74-4010-W	76	250	1218	462 x 101.5 x 86	42 x 10 x 9	25,400	Yes
L74-4210-W	80	250	1281	486 x 101.5 x 86	44 x 10 x 9	26,500	Yes
L74-4410-W	84	250	1345	510 x 101.5 x 86	46 x 10 x 9	27,700	Yes
L74-4610-W	88	250	1408	534 x 101.5 x 86	48 x 10 x 9	28,800	Yes
L74-4810-W	92	250	1471	558 x 101.5 x 86	50 x 10 x 9	29,900	Yes
L74-5010-W	96	250	1534	582 x 101.5 x 86	52 x 10 x 9	31,100	Yes
L74-5210-W	100	250	1598	606 x 101.5 x 86	54 x 10 x 9	32,200	Yes

Premium Storage Occupancy Buildings

12' Depth, 2-Hour Fire Rated



Note:
150 MPH construction available for high wind areas. Contact factory for details.

12 x 12 Building with 144 square feet holds up to 25 drums. Shown with optional fire rated package.

Occupancy Buildings — 2-hour fire rated; 12ft depth

Model Number	Total Capacity per Unit (12 Ft Wide 5 Drums Deep)	Floor Load Capacity (lbs)	Sump Volume (gal)	Interior Dimensions L x D x H (in)	Exterior Dimensions (vent hoods included) L x D x H (ft)	Shipping Weight (lbs)	FM Approved
L74-1212-W	25	250	391	126 x 119.5 x 86	14 x 12 x 9	10,700	Yes
L74-1412-W	30	250	466	150 x 119.5 x 86	16 x 12 x 9	11,900	Yes
L74-1612-W	35	250	540	174 x 119.5 x 86	18 x 12 x 9	13,200	Yes
L74-1812-W	40	250	615	198 x 119.5 x 86	20 x 12 x 9	14,400	Yes
L74-2012-W	45	250	689	222 x 119.5 x 86	22 x 12 x 9	15,600	Yes
L74-2212-W	50	250	764	246 x 119.5 x 86	24 x 12 x 9	16,900	Yes
L74-2412-W	55	250	838	270 x 119.5 x 86	26 x 12 x 9	18,100	Yes
L74-2612-W	60	250	913	294 x 119.5 x 86	28 x 12 x 9	19,400	Yes
L74-2812-W	65	250	987	318 x 119.5 x 86	30 x 12 x 9	20,600	Yes
L74-3012-W	70	250	1062	342 x 119.5 x 86	32 x 12 x 9	21,900	Yes
L74-3212-W	75	250	1136	366 x 119.5 x 86	34 x 12 x 9	23,100	Yes
L74-3412-W	80	250	1211	390 x 119.5 x 86	36 x 12 x 9	24,400	Yes
L74-3612-W	85	250	1285	414 x 119.5 x 86	38 x 12 x 9	25,600	Yes
L74-3812-W	90	250	1360	438 x 119.5 x 86	40 x 12 x 9	26,800	Yes
L74-4012-W	95	250	1434	462 x 119.5 x 86	42 x 12 x 9	28,100	Yes
L74-4212-W	100	250	1508	486 x 119.5 x 86	44 x 12 x 9	29,300	Yes
L74-4412-W	105	250	1583	510 x 119.5 x 86	46 x 12 x 9	30,600	Yes
L74-4612-W	110	250	1657	534 x 119.5 x 86	48 x 12 x 9	31,800	Yes
L74-4812-W	115	250	1732	558 x 119.5 x 86	50 x 12 x 9	33,100	Yes
L74-5012-W	120	250	1806	582 x 119.5 x 86	52 x 12 x 9	34,300	Yes
L74-5212-W	125	250	1881	606 x 119.5 x 86	54 x 12 x 9	35,500	Yes

Premium Storage Occupancy Buildings

8' Depth, 4-Hour Fire Rated

Customized Chemical Storage and Processing Solutions

Provide the Added Security of Fire Rated Construction

DENIOS Engineering leads the industry in the design and manufacture of customized enclosures designed for the safe storage of chemicals.

DENIOS Fire Rated Occupancy Buildings

- Primarily used for the storage flammable chemicals or processes
- Provide pre-engineered rooms separating flammable chemicals and/or processes such as pumping, dispensing, or mixing
- Designs allow for indoor or outdoor placement Interior walls can be added to separate dangerous chemicals from processes

Engineered Options for DENIOS Fire rated Enclosures may include:

- UL approved firewalls, designs include 2- and 4-hour rated construction
- Deflagration panels to redirect destructive forces in case of an explosion
- Fire, fume, or leak detection alarms
- Dry or wet fire suppression systems
- Ventilation systems to remove noxious or ignitable fumes
- Spill containment sumps which meet / exceed EPA, UFC, NFPA, and OSHA regulations
- Heating / cooling options for temperature sensitive chemicals
- Special coatings and materials for the storage of acids, caustics, or corrosives



Building provides fire suppression, explosion proof lights and mechanical ventilation.



Note:
150 MPH construction available for high wind areas. Contact factory for details.

12 x 12 Building with 144 square feet holds up to 25 drums. Shown with optional fire rated package.

Occupancy Buildings — 4-hour fire rated; 8ft depth

Model Number	Total Capacity per Unit (8 Ft Wide 3 Drums Deep)	Floor Load Capacity (lbs)	Sump Volume (gal)	Interior Dimensions L x D x H (in)	Exterior Dimensions (vent hoods included) L x D x H (ft)	Shipping Weight (lbs)	FM Approved
L76-0808-W	9	250	159	78.5 x 78 x 86	10 x 8 x 9	7,800	Yes
L76-1008-W	12	250	208	102.5 x 78 x 86	12 x 8 x 9	9,100	Yes
L76-1208-W	15	250	256	126.5 x 78 x 86	14 x 8 x 9	10,500	Yes
L76-1408-W	18	250	305	150.5 x 78 x 86	16 x 8 x 9	11,800	Yes
L76-1608-W	21	250	354	174.5 x 78 x 86	18 x 8 x 9	13,100	Yes
L76-1808-W	24	250	402	198.5 x 78 x 86	20 x 8 x 9	14,500	Yes
L76-2008-W	27	250	451	222.5 x 78 x 86	22 x 8 x 9	15,800	Yes
L76-2208-W	30	250	499	246.5 x 78 x 86	24 x 8 x 9	17,200	Yes
L76-2408-W	33	250	548	270.5 x 78 x 86	26 x 8 x 9	18,500	Yes
L76-2608-W	36	250	597	294.5 x 78 x 86	28 x 8 x 9	19,800	Yes
L76-2808-W	39	250	645	318.5 x 78 x 86	30 x 8 x 9	21,200	Yes
L76-3008-W	42	250	694	342.5 x 78 x 86	32 x 8 x 9	22,500	Yes
L76-3208-W	45	250	743	366.5 x 78 x 86	34 x 8 x 9	23,900	Yes
L76-3408-W	48	250	791	390.5 x 78 x 86	36 x 8 x 9	25,200	
L76-3608-W	51	250	840	414.5 x 78 x 86	38 x 8 x 9	26,500	
L76-3808-W	54	250	888	438.5 x 78 x 86	40 x 8 x 9	27,900	
L76-4008-W	57	250	937	462.5 x 78 x 86	42 x 8 x 9	29,200	
L76-4208-W	60	250	986	486.5 x 78 x 86	44 x 8 x 9	30,600	
L76-4408-W	63	250	1034	510.5 x 78 x 86	46 x 8 x 9	31,900	
L76-4608-W	66	250	1083	534.5 x 78 x 86	48 x 8 x 9	33,200	
L76-4808-W	69	250	1132	558.5 x 78 x 86	50 x 8 x 9	34,600	
L76-5008-W	72	250	1180	582.5 x 78 x 86	52 x 8 x 9	35,900	
L76-5208-W	75	250	1229	606.5 x 78 x 86	54 x 8 x 9	37,200	

Premium Storage Occupancy Buildings

10' Depth, 4-Hour Fire Rated



Fire rated building without spill containment sump for the housing of power generators.

Note:
150 MPH construction available for high wind areas. Contact factory for details.



Typical fire suppression systems feature dry chem extinguishers. Fire alarms, fume and leak detector systems are also available.

Occupancy Buildings — 4-hour fire rated; 10ft depth

Order Number	Total Capacity per Unit (10 Ft Wide 4 Drums Deep)	Floor Load Capacity (lbs)	Sump Volume (gal)	Interior Dimensions L x D x H (in)	Exterior Dimensions (vent hoods included) L x D x H (ft)	Shipping Weight (lbs)	FM Approved
L76-1010-W	16	250	272	102.5 x 102 x 86	12 x 10 x 9	10,600	Yes
L76-1210-W	20	250	335	126.5 x 102 x 86	14 x 10 x 9	12,100	Yes
L76-1410-W	24	250	399	150.5 x 102 x 86	16 x 10 x 9	13,600	Yes
L76-1610-W	28	250	462	174.5 x 102 x 86	18 x 10 x 9	15,100	Yes
L76-1810-W	32	250	526	198.5 x 102 x 86	20 x 10 x 9	16,600	Yes
L76-2010-W	36	250	589	222.5 x 102 x 86	22 x 10 x 9	18,100	Yes
L76-2210-W	40	250	653	246.5 x 102 x 86	24 x 10 x 9	19,600	Yes
L76-2410-W	44	250	717	270.5 x 102 x 86	26 x 10 x 9	21,100	Yes
L76-2610-W	48	250	780	294.5 x 102 x 86	28 x 10 x 9	22,600	Yes
L76-2810-W	52	250	844	318.5 x 102 x 86	30 x 10 x 9	24,100	Yes
L76-3010-W	56	250	907	342.5 x 102 x 86	32 x 10 x 9	25,600	Yes
L76-3210-W	60	250	971	366.5 x 102 x 86	34 x 10 x 9	27,100	Yes
L76-3410-W	64	250	1035	390.5 x 102 x 86	36 x 10 x 9	28,600	Yes
L76-3610-W	68	250	1098	414.5 x 102 x 86	38 x 10 x 9	30,200	Yes
L76-3810-W	72	250	1162	438.5 x 102 x 86	40 x 10 x 9	31,700	Yes
L76-4010-W	76	250	1225	462.5 x 102 x 86	42 x 10 x 9	33,200	Yes
L76-4210-W	80	250	1289	486.5 x 102 x 86	44 x 10 x 9	34,700	Yes
L76-4410-W	84	250	1352	510.5 x 102 x 86	46 x 10 x 9	36,200	Yes
L76-4610-W	88	250	1416	534.5 x 102 x 86	48 x 10 x 9	37,700	Yes
L76-4810-W	92	250	1480	558.5 x 102 x 86	50 x 10 x 9	39,200	Yes
L76-5010-W	96	250	1543	582.5 x 102 x 86	52 x 10 x 9	40,700	Yes
L76-5210-W	100	250	1607	606.5 x 102 x 86	54 x 10 x 9	42,200	Yes

Premium Storage Occupancy Buildings

12' Depth, 4-Hour Fire Rated



Customized chemical storage Building with optional door location, fire rated construction, and heating system.

Note:
150 MPH construction available for high wind areas. Contact factory for details.

Occupancy Buildings — 4-hour fire rated; 12ft depth

Order Number	Total Capacity per Unit (12 Ft Wide 5 Drums Deep)	Floor Load Capacity (lbs)	Sump Volume (gal)	Interior Dimensions L x D x H (in)	Exterior Dimensions (vent hoods included) L x D x H (ft)	Listed Wt. (lbs)	FM Approved
L76-1212-W	25	250	394	126.5 x 120 x 86	14 x 12 x 9	13,500	Yes
L76-1412-W	30	250	469	150.5 x 120 x 86	16 x 12 x 9	15,100	Yes
L76-1612-W	35	250	544	174.5 x 120 x 86	18 x 12 x 9	16,700	Yes
L76-1812-W	40	250	619	198.5 x 120 x 86	20 x 12 x 9	18,400	Yes
L76-2012-W	45	250	694	222.5 x 120 x 86	22 x 12 x 9	20,000	Yes
L76-2212-W	50	250	768	246.5 x 120 x 86	24 x 12 x 9	21,600	Yes
L76-2412-W	55	250	843	270.5 x 120 x 86	26 x 12 x 9	23,300	Yes
L76-2612-W	60	250	918	294.5 x 120 x 86	28 x 12 x 9	24,900	Yes
L76-2812-W	65	250	993	318.5 x 120 x 86	30 x 12 x 9	26,500	Yes
L76-3012-W	70	250	1068	342.5 x 120 x 86	32 x 12 x 9	28,200	Yes
L76-3212-W	75	250	1142	366.5 x 120 x 86	34 x 12 x 9	29,800	Yes
L76-3412-W	80	250	1217	390.5 x 120 x 86	36 x 12 x 9	31,400	Yes
L76-3612-W	85	250	1292	414.5 x 120 x 86	38 x 12 x 9	33,100	Yes
L76-3812-W	90	250	1367	438.5 x 120 x 86	40 x 12 x 9	34,700	Yes
L76-4012-W	95	250	1442	462.5 x 120 x 86	42 x 12 x 9	36,300	Yes
L76-4212-W	100	250	1516	486.5 x 120 x 86	44 x 12 x 9	38,000	Yes
L76-4412-W	105	250	1591	510.5 x 120 x 86	46 x 12 x 9	39,600	Yes
L76-4612-W	110	250	1666	534.5 x 120 x 86	48 x 12 x 9	41,300	Yes
L76-4812-W	115	250	1741	558.5 x 120 x 86	50 x 12 x 9	42,900	Yes
L76-5012-W	120	250	1816	582.5 x 120 x 86	52 x 12 x 9	44,500	Yes
L76-5212-W	125	250	1890	606.5 x 120 x 86	54 x 12 x 9	46,200	Yes

Custom Engineered Storage Occupancy Buildings

Engineered Solutions For Your Unique Applications

DENIOS Engineering leads the industry in the design and manufacture of customized enclosures designed for the safe storage of chemicals.

We provide solutions for the safe storage of:

- Flammables or flammable / explosive processes
- Acids or caustic chemicals
- Temperature sensitive chemicals, whether for preservation heating / cooling or process heating / cooling
- Completely customized enclosures provide added access for personnel, material handling equipment, or the incorporation of the structure into your existing processes or facilities



Fire rated Occupancy Building with custom door set to improve access.



This engineered Occupancy Building for the storage and processing of acids includes personnel showers, material handling crane, manway door and fiberglass grating (above and right).



Occupancy Buildings for housing hazardous processes – Process Buildings

With the addition of standard and custom options and engineered construction, DENIOS Occupancy Buildings are frequently utilized to house hazardous processes like pumping, mixing, heating, and dispensing. Designs include 2- and 4-hour fire rated construction as well as damage limited wall panels.



Customized chemical storage Occupancy Building engineered to accommodate and function with customer processing equipment.

Process Applications include:

- Paint kitchens
- Pumping operations
- Battery testing enclosures
- Fuel component enclosures

DENIOS Engineering provides you:

- A complete understanding of hazardous chemicals and chemical processes
- Expert knowledge of regulations and fire codes
- A technical sales staff and engineering department working with you every step of the way in designing a safe storage solution for your unique application



Customized oil storage unit provides access to drums via forklift as well as a manway.



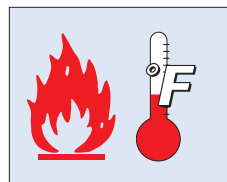
Occupancy Buildings allow for remote placement, while still providing ample work space for periodic occupancy of personnel.

Temperature Controlled Occupancy Buildings

DENIOS Temperature Controlled Enclosures can be Designed for Preservation Heating / Cooling of Temperature Sensitive Chemicals or Provide Higher Temperatures for Process Heating.

For the Safe Processing or Preservation Heating / Cooling of Chemicals

- Process or preservation cooling and heating (steam or electrical). Cool to 0°F, heat to 300°F
- Air circulation / ventilation systems ensure proper heat / cooling distribution
- Enclosures are constructed with fully insulated, fire resistant walls and doors
- Typically employ hinged doors with perimeter gasketing and multi-point latching locks to maintain internal temperatures
- As with all DENIOS enclosures, structures feature an enclosed, compliant spill containment sump



Contact Us:

For questions about any of your hazardous chemicals storage or processing needs, contact us at [866-384-4889](tel:866-384-4889) or at info2@denios-us.com



Designed and Manufactured for Safe Chemical Processing

Process heating / cooling of chemicals has inherent dangers. DENIOS enclosures address many of those risks through their standard construction and with many safety options.

- Insulated, 2-hour fire rated wall construction (standard on all models)
- Explosion relief panels
- Over temperature controls / alarm systems
- Explosion-proof mechanical exhaust ventilation
- In addition, all models are suitable for outdoor placement, away from personnel and facilities

- Fire rated construction and fire suppression systems. May include self-closing roll-up fire doors
- Chemical leak and fume detectors / alarms
- Air circulation / removal systems
- XP lighting and electrical for hazardous areas / applications
- Manual and automatic cranes for material handling
- 150 mph / hurricane rated construction



Interior of Occupancy Building shows electric heating unit, explosion proof light, and XP controls.



Heated and cooled storage Occupancy Building with fire suppression system, fire rated construction, and explosion-relief panels designed to house automotive paint pumping equipment.



Custom Occupancy Building provides heating/cooling, explosion-proof lighting, and explosion relief panels for the storage and processing of combustibles.

Non-Occupancy and Occupancy Building Options



Smoke / heat detectors & fire alarms

For the protection of fire proof containers it is important that an early warning system is installed. DENIOS uses certified multi sensors for this purpose. Smoke and fire detection is quick and reliable and can be installed in conjunction with a siren. The alarm system can be connected to the main alarm system.



Temperature regulators

DENIOS uses the most up-to-date temperature regulators to ensure user friendly programming of required temperatures. The majority of DENIOS regulators can be programmed and adjusted on the main control box on the exterior of the container.



PE and stainless steel sump liners

When storing acids, alkalis or other aggressive substances, it is recommended that sump liners be installed. These can be manufactured both in PE and stainless steel. Further information regarding sumps can be found in our main catalog.



Heating

Many substances require optimal heating to maintain quality. DENIOS provides heating systems using electric or steam heat.



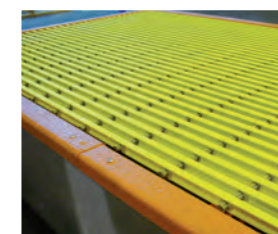
Alarm lights

In addition to audible alarms DENIOS can provide alarm lights to work in conjunction with the main alarm system, enhancing the warnings effectiveness to personnel.



System monitoring

To monitor important features such as temperature, pressure, air quality etc., it is possible to install an assortment of sensors to the container. A continuous monitoring system can be installed to your specific requirement and standards. The system can be monitored in situ or attached to the main computer system which ensures a regular and safe way to monitor air flow etc.



Grating

DENIOS fire proof containers are fitted with galvanized grating as standard. Alternative grating are available however and when storing aggressive substances, stainless steel grating or synthetic material grating can be provided.



Insulation

The walls of our HazMat insulated system containers guard against loss of energy, temperature and frost damage. DENIOS use different types of material ranging from a thickness of 60 to 125 mm.



Sprinkler systems

Sprinkler systems provide extra safety in containers used to store flammable and non-flammable substances. DENIOS offers several types of sprinkler systems. We can provide, standard, heavy foam, powder, Novec or CO² systems.



Gas detectors

If poisonous gases are allowed to escape then early detection is a vital requirement. DENIOS can provide gas warning detectors where a pre-set level can be set and when reached an audible or visual alarm or both will occur.



Grounding kits

Grounding kits are required to avoid an electric discharge between the container and other conductive units. All DENIOS HazMat containers can be fitted with an accessory to avoid discharges. These are highly recommended for containers storing explosive materials.



Cooling

DENIOS engineering provide precise solutions to temperature control, such as cooling units and air conditioning systems. With DENIOS expertise we always have a solution for your needs.



Fire dampers

Where air circulation is required, fire dampers can be installed featuring automatic closing air vent mechanisms. These close automatically as soon as fire is detected, thus cutting off the supply of oxygen to the fire source in the container.



Leak Detector

Leak detectors can be installed in sumps to detect any leakage from container contents. The alarm can be audible, visual or both. Early detection allows prompt action to be taken.



Special paint finishes

DENIOS offers internal as well as external multi color finishes.



Fire prevention air vents

Where air circulation is required, fan-forced air vents can be installed featuring automatic closing air vent mechanisms. These close automatically as soon as fire is detected, thus cutting off the supply of oxygen to the fire source in the container.

Introduction to Chemical Storage Lockers

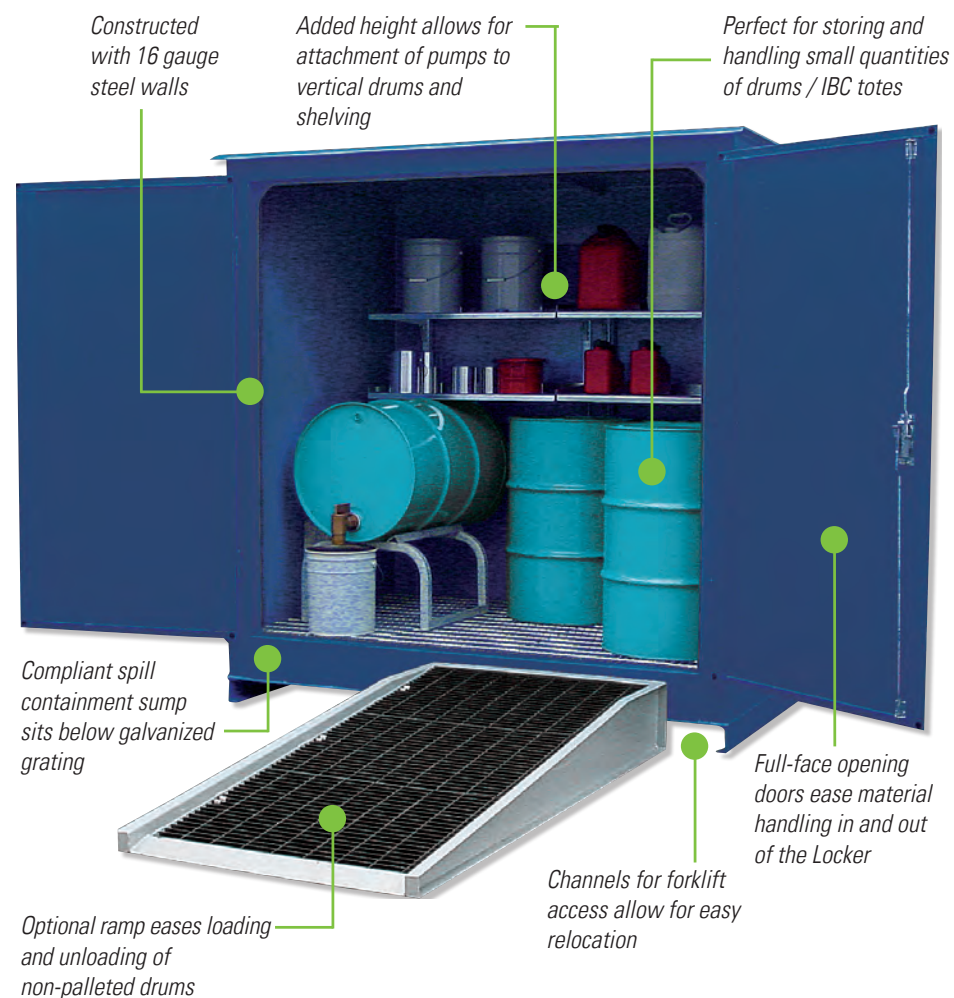
The Preferred Solution for Secured, Small Volume Storage of Drums and Totes

DENIOS provides business and industry the most complete drum Locker program available. Designed for small volume outdoor storage of drums and IBC Totes, DENIOS' Locker Program manufactures a variety of models; from secured, basic storage of non-combustible chemicals to more robust designs for hazardous applications, including 2-hour fire rated construction.

The majority of DENIOS Lockers are FM Approved- see individual pages for details.

Sizes and Styles:

- Locker capacities from 2-14 drums, 1-2 IBC totes
- All units are built to accommodate outdoor placement. Door styles vary and include hinged doors and roll-up doors
- Locker and door heights allow added headroom for attachment of mixers or pumps for dispensing / processing
- Non-Combustible, fire rated, and / or temperature controlled models available



Common Applications for Lockers

- Outdoor storage of small volumes of hazardous chemicals
- Rail, marine, truck, and DOT terminals, storing / dispensing lubricants and oils
- Parks, turf, and nursery centers for storage of fertilizers and pesticides
- Temperature controlled outdoor storage of raw materials
- Hazardous waste accumulation centers

Applicable Regulations

DENIOS Lockers meet the federal requirements for spill containment of hazardous liquids as regulated by the EPA (40 CFR).

DENIOS follows NFPA 30 regulations for specification compliance for outdoor placement.

Most Locker designs are FM Approved and / or are constructed with UL approved walls / doors.

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.

For your further reference

Hazardous materials storage is regulated by EPA at the federal level by the Code of Federal Regulations (40 CFR).

At the state and local level, Fire Codes such as IFC, UFC, NFPA 30 (Storage and Handling of Flammable Liquids), Building Codes (UBC & IBC) and other requirements specific to State and Local jurisdictions may also apply.

Typical local code issues include: wind load, snow load, seismic zone, fire rating and separation of flammable storage from the nearest building.

Although DENIOS provides numerous standard designs, we also custom engineer Lockers to meet customer requirement.



2-hour Fire Rated IBC Locker with roll-up door. Door includes fuse link and will automatically close in case of fire.



4 drum storage Locker. Design provides added headroom for optional shelving or attaching pumps to drums.



Fire rated Locker modified to have two levels. Used to store small volume containers of flammables.

Locker Program – Overview

K-Series Lockers

These light duty, economy Lockers provide for 1, 2, and 4 drum capacities. Great for secured storage of non-hazardous chemicals.

PK-Series Lockers

Non-combustible and 2-hour fire rated construction models handle 2, 4, 6, and 8 drum capacities. Non-combustible models FM Approved.

N-Series Lockers

Our most complete Drum Locker series, features non-combustible, damage limiting, and 2-hour fire rated construction models, 2-14 drum capacities, and numerous options. FM Approved. 90 and 150 MPH rated designs.

IBC Tote Lockers

Non-combustible, 2-hour fire rated, and special dispensing models highlight these 1-2 tote capacity designs. Numerous options also available. Most models FM Approved and provide 90 and 150 MPH rated designs.

Specialty Lockers

2-hour, fire rated construction with automatic closing roll-up doors. 2 to 8 drum capacities. FM Approved. 90 and 150 MPH rated designs.



Fire Rated designs up to 2-hour, heating systems for Freeze Protected

- International Fire Code (IFC)
- International Building Code (IBC)
- Code of Federal Regulations (CFR)
- Environmental Protection Act (EPA)
- National Fire Protection Assn. (NFPA)
- Uniform Fire Code (UFC)
- Uniform Building Code (UBC)

K-Series Storage Lockers

Our Solid, light duty Locker

Design provides additional interior height, allowing for vertical drum pumping operations.

Provides secured, weather-proof exterior storage.

- Available in 1, 2, 4, and 8 drum models
- Steel construction provides strength and durability
- 66 gallon sump meets EPA and UFC requirements
- Walls and doors constructed of 20 gauge steel
- Four way forklift access makes relocation easy
- Lockable hinged door provides added security and opens wide for easy access to drums / containers



59" interior height allows easy access to drum tops for dispensing.



Designs provide for the storage of 1, 2, 4, and 8 drums.



Full-faced, lockable hinged door provides security and weather protection. Vents for passive ventilation are standard.

Shelf Packages for K-Series Storage Lockers

Shelf System for our K-Series Lockers

- Self-supporting shelf system rests on grating and provides efficiency and convenience when storing smaller containers
- Painted steel frame supports heavy duty galvanized shelves
- System designed to fit one, two, and four drum models
- Each shelf provides a load capacity of 150 lbs (one drum model) and 200 lbs (2 and 4 drum models)
- Standard system includes shelf stand and one shelf. Additional shelves available
- Can be easily removed intact should storage requirements change
- Ships knock-down; easily bolts together



Optional shelving allows for the efficient storage of small containers and tools.



Bottom supports rest directly on grating.



Galvanized shelves and uprights make adjustments easy while providing strength to hold up to 200 lbs.



Self supporting system provides stability without having to drill into the Locker.

K-Series Lockers — Shelf Package

Model Number	Drum Capacity / No. Doors per Locker	Exterior Dimensions (ft)			Bay Dimensions (in)			Door Opening (in)		Shipping Weight (lbs)	Load Capacity per Bay (lbs)	Sump Volume (gal)	Price
		Length	Depth	Height	Length	Depth	Height	Length	Height				
K17-3851	1 / 1	33	33	82	30	30	59	28	61	462	600	66	\$ 1,013
K17-3852	2 / 1	58	33	76	50	30	59	54	61	616	1,200	66	\$ 2,386
K17-3854	4 / 1	58	58	73	55	55	59	28	61	882	2,400	66	\$ 2,962
K17-3856	8 / 2	116	58	73	110	55	59	64	61	1762	4,800	140	\$ 4,756

K-Series Lockers — Shelf Package

Model Number	Drum Package	Dimensions (in)			Shipping Weight (lbs)	Load Capacity (lbs)	Price
		Length	Depth	Height			
K17-3858	1 Drum	31	25	55	60	150	\$ 406
K17-3859	1 Drum Shelf Adder	30	18	-	15	150	\$ 203
K17-3860	2+4 Drum	51	25	55	80	200	\$ 499
K17-3861	2+4 Drum Shelf Adder	51	18	-	23	200	\$ 265

Contact Us:

For questions about any of your hazardous chemicals storage or processing needs, contact us at **866-384-4889** or at **info2@denios-us.com**



PK-Series Storage Lockers

Non-Combustible

Our PK-Series Lockers feature a heavy duty, 11 gauge welded steel construction. Capacities include 2, 4, 6, and 8 drum models. Non-combustible designs are FM Approved.

- 72" interior headroom allows accessing vertically placed drums for pumping / dispensing
- Easily removable, galvanized steel grating
- Sump volumes meet EPA and UFC requirements
- Lockable hinged doors with inside release
- Add shelving for smaller containers
- Passive ventilation
- Exterior grounding lug
- Anchoring point
- NFPA 704 placard
- Choose between blue, tan, or white painted finish



Locker height allows for shelving, depth (4-drum models and up) provides space for horizontal placement of drums.



4 drum storage Locker. Extra headroom for optional shelving or attaching pumps to drums.



All Lockers have wide, full-face opening doors for easy access and pallet loading.

Available options:

- Ramp
- Interior light (300W) with fan (350 CFM)
- Exterior light (500W) with photo eye
- Shelves
- Fire Bottle (FE-241)

Note:

- For Ramp, please order N05-3910 **\$546.00**
- For Shelving Pkg 2-4 drum locker, please order N05-7271 **\$183.00** (extra shelf N05-7272 **\$145.00**)
- For Shelving Pkg 6-8 drum locker, please order N05-7273 **\$241.00** (extra shelf N05-7274 **\$172.00**)



Note:

Two 13" vent hoods ship unattached but are included in length dimension.



DENIOS-Leading Supplier of FM Approved Chemical Containment Products.

2-Hour Fire Rated

Our "PK" line of Lockers also are available in 2-hour fire rated construction, allowing for convenient, secured outdoor storage of flammables near your facility.

- Constructed with UL – approved 2-hour rated firewall design
- Complies with fire rating requirements for storage of flammables within 10 feet of your facility
- Drums can be easily accessed with a fork truck or optional ramp
- Use multiple Lockers to separate incompatible materials



4 drum fire rated Locker provides secure, weather-tight enclosure for outdoor dispensing.



Secure, Enclosed Outdoor Storage of Flammables with 71" Interior Headroom for Dispensing Equipment.



6-drum fire rated Locker utilizing optional shelving package for storage of smaller containers. Price of shelving not included.

Note:

Two 13" vent hoods ship unattached but are included in length dimension.

PK-Series Lockers — Non-Combustible

Model Number	Drum Capacity per Locker	Exterior Dimensions (ft)			Bay Dimensions (in)			Door Opening (in)		Shipping Weight (lbs)	Load Capacity per Bay (lbs)	Sump Volume (gal)	Price
		Length	Depth	Height	Length	Depth	Height	Length	Height				
K17-3571	2	96	58	88	66	49	72	51	58	1,700	600	102	\$ 4,346
K17-3575	4	96	70	88	66	62	72	51	71	1,900	1,200	127	\$ 5,126
K17-3578	6	118	70	88	88	62	72	73	71	2,300	2,400	168	\$ 6,471
K17-3580	8	143	70	88	113	62	72	98	71	2,700	4,800	228	\$ 7,306

PK -Series Lockers — 2-Hour Fire Rated

Model Number	Drum Capacity per Locker	Exterior Dimensions (ft)			Bay Dimensions (in)			Door Opening (in)		Shipping Weight (lbs)	Load Capacity per Bay (lbs)	Sump Volume (gal)	Price
		Length	Depth	Height	Length	Depth	Height	Length	Height				
P19-1000	2	96	58	88	55	44	71	51	71	1,700	600	65	\$ 6,658
P19-1050	4	96	70	88	55	56	71	51	71	1,900	1,200	97	\$ 7,761
P19-1100	6	118	70	88	77	56	71	73.25	71.5	2,300	2,400	135	\$ 10,262
P19-1150	8	143	70	88	102	56	71	98	71	2,700	4,800	178	\$ 12,654

N-Series Storage Lockers

Non-Combustible

The DENIOS Non-Combustible N-Series Locker Line provides a wide range of storage capacities (2-14 drums) with numerous options.

- Durable 11-gauge welded, steel construction
- Provides a spill compliant sump, meeting EPA and UFC requirements
- FM approved
- Lockable, hinged doors with inside release provides added safety

Note: Two 13" vent hoods ship unattached but are included in length dimension.

FM APPROVED DENIOS-Leading Supplier of FM Approved Chemical Containment Products.

- Note:**
- For Ramp, please order N05-3910 **\$546.00**
 - For Shelving Pkg 2-4 drum locker, please order N05-7271 **\$183.00** (extra shelf N05-7272 **\$145.00**)
 - For Shelving Pkg 6-8 drum locker, please order N05-7273 **\$241.00** (extra shelf N05-7274 **\$172.00**)

■ **All models come standard with:**

- Galvanized grating above a spill compliant sump
- Passive ventilation
- Exterior grounding lug
- Anchoring point
- NFPA 704 placard
- Choose between blue, tan, or white painted finish

■ **Options include:**

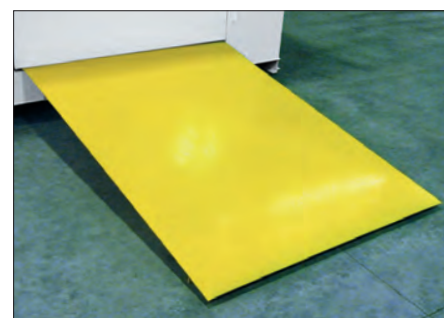
- Ramp and Shelves
- Water Sprinkler
- Fire Bottle (FE-241)
- Dry Chemical fire suppression system
- 1.8kw and 3.6kw electric heater with R-10 insulation
- 14,000 BTU air conditioner with R-10 insulation
- Interior light (300W) with fan (350 CFM)
- Exterior light (500W) with photo eye
- Fiberglass grating and poly sump liner for storing acids / caustics



N-Series Lockers come in 90 MPH and 150 MPH Hurricane Rated Designs.



Lockers for 2-14 Drum, Non-Combustible Storage Locker.



Ramp for N-Series Lockers secures to door sill without effecting door performance.

2-Hour Fire Rated

Our fire rated N-Series Lockers provide 2-hour fire rated construction with a variety of options and capacities of 2-14 drums.



14 drum, 2-hour fire rated design features three door sets to ease material handling.

- Constructed with UL- approved 2-hour rated firewall design
- Provides a spill compliant sump, meeting EPA and UFC requirements
- Complies with fire rating requirements for storage of flammables within 10 feet of your facility
- FM approved
- Lockable, hinged doors with inside release provides added safety



Lockers for 2-14 drum, 2-hour fire rated design is constructed with UL Approved firewalls.

N-Series / Non-Combustible — 90 mph Construction

Model Number	Drum Capacity / No. Doors per Locker	Exterior Dimensions (ft)			Bay Dimensions (in)			Door Opening (in)		Shipping Weight (lbs)	Load Capacity per Bay (lbs)	Sump Volume (gal)	Price
		Length	Depth	Height	Length	Depth	Height	Length	Height				
N05-3004	2 / 1	96	58	98	66	50	82	54	80	1,400	1,200	103	\$ 4,903
N05-3009	4 / 1	96	70	98	66	62	82	54	80	1,600	2,400	128	\$ 5,349
N05-3015	6 / 1	118	70	98	88	62	82	54	80	2,400	3,600	170	\$ 6,800
N05-3020	8 / 1	143	70	98	113	62	82	54	80	2,600	4,800	218	\$ 8,106
N05-3030	10 / 2	168	70	98	138	62	82	54	80	3,300	6,000	267	\$ 11,125
N05-3035	12 / 2	193	70	98	163	62	82	54	80	3,500	7,200	315	\$ 12,604
N05-3040	14 / 3	236	70	98	206	62	82	54	80	4,900	8,400	398	\$ 14,756

N-Series / Non-Combustible — 150 mph Construction

Model Number	Drum Capacity / No. Doors per Locker	Exterior Dimensions (ft)			Bay Dimensions (in)			Door Opening (in)		Shipping Weight (lbs)	Load Capacity per Bay (lbs)	Sump Volume (gal)	Price
		Length	Depth	Height	Length	Depth	Height	Length	Height				
N05-3104	2 / 1	96	58	98	61	49	82	54	80	1,700	1,200	96	\$ 5,237
N05-3109	4 / 1	96	70	98	64	61	82	54	80	1,900	2,400	121	\$ 5,795
N05-3115	6 / 1	118	70	98	86	61	82	54	80	2,400	3,600	162	\$ 7,466
N05-3120	8 / 1	143	70	98	111	61	82	54	80	2,900	4,800	209	\$ 8,804
N05-3130	10 / 2	168	70	98	136	61	82	54	80	3,400	6,000	256	\$ 11,793
N05-3135	12 / 2	193	70	98	161	61	82	54	80	3,800	7,200	304	\$ 13,360
N05-3140	14 / 3	236	70	98	204	61	82	54	80	5,100	8,400	388	\$ 15,631

N-Series / 2-Hour Fire Rated — 90 mph Construction

Model Number	Drum Capacity / No. Doors per Locker	Exterior Dimensions (ft)			Bay Dimensions (in)			Door Opening (in)		Shipping Weight (lbs)	Load Capacity per Bay (lbs)	Sump Volume (gal)	Price
		Length	Depth	Height	Length	Depth	Height	Length	Height				
N05-4004	2 / 1	96	58	98	56	42	81	52	79	3,000	1,200	77	\$ 8,659
N05-4009	4 / 1	96	70	98	56	52	81	52	79	3,400	2,400	99	\$ 9,909
N05-4015	6 / 1	118	71	98	77	52	81	52	79	4,000	3,600	125	\$ 12,631
N05-4020	8 / 1	143	71	98	102	52	81	52	79	4,800	4,800	165	\$ 15,323
N05-4030	10 / 2	168	71	98	127	52	81	52	79	5,600	6,000	205	\$ 19,558
N05-4035	12 / 2	193	71	98	152	52	81	52	79	6,400	7,200	245	\$ 21,965
N05-4040	14 / 3	236	71	98	195	52	81	52	79	7,900	8,400	315	\$ 25,411

N-Series / 2-Hour Fire Rated — 150 mph Construction

Model Number	Drum Capacity / No. Doors per Locker	Exterior Dimensions (ft)			Bay Dimensions (in)			Door Opening (in)		Shipping Weight (lbs)	Load Capacity per Bay (lbs)	Sump Volume (gal)	Price
		Length	Depth	Height	Length	Depth	Height	Length	Height				
N05-4104	2 / 1	96	58	98	54	41	81	52	79	3,000	1,200	77	\$ 9,178
N05-4109	4 / 1	96	70	98	54	50	81	52	79	3,400	2,400	99	\$ 10,500
N05-4115	6 / 1	118	71	98	75	50	81	52	79	4,000	3,600	124	\$ 13,394
N05-4120	8 / 1	143	71	98	100	50	81	52	79	4,800	4,800	165	\$ 16,241
N05-4130	10 / 2	168	71	98	125	50	81	52	79	5,600	6,000	205	\$ 20,717
N05-4135	12 / 2	193	71	98	150	50	81	52	79	6,400	7,200	245	\$ 23,400
N05-4140	14 / 3	236	71	98	193	50	81	52	79	7,900	8,400	315	\$ 26,866

N-Series Storage Lockers

Explosion Relief Panels

These N-Series Lockers feature explosion relief panels built into the rear of each Locker- diverting destructive forces away from personnel and facilities in the event of an ignition / explosion of the stored drums.

- Durable 11-gauge welded, steel construction
- Provides a spill compliant sump, meeting EPA and UFC requirements
- FM approved
- Lockable, hinged doors with inside release provides added safety
- 2-hour fire rated models also available. Contact factory for details
- **All models come standard with:**
 - Galvanized grating above a spill compliant sump
 - Passive ventilation
 - Exterior grounding lug
 - Anchoring point
 - NFPA 704 placard
 - Choose between blue, tan, or white painted finish



Rear panels provide an exit for explosive force- diverting the blast's destructive force away from personnel / facilities.

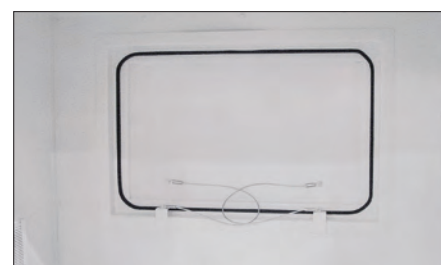
Note: Two 13" vent hoods ship unattached but are included in length dimension.

FM APPROVED DENIOS-Leading Supplier of FM Approved Chemical Containment Products.

N-Series Lockers come in 90 MPH and 150 MPH Hurricane Rated Designs.



In case of an explosion, relief panel detaches from the Locker, diverting destructive forces away, protecting the integrity of the Locker and preventing any explosion caused shrapnel.



Safety cables prevent relief panels from causing damage.

N-Series Lockers — Explosion Relief Panels													
Model Number	Drum Capacity / No. Doors per Locker	Exterior Dimensions (ft)			Bay Dimensions (in)			Door Opening (in)		Shipping Weight (lbs)	Load Capacity per Bay (lbs)	Sump Volume (gal)	Price
		Length	Depth	Height	Length	Depth	Height	Length	Height				
N05-5004	2 / 1	96	58	98	61	49	82	54	80	1,700	1,200	96	\$ 4,979
N05-5009	4 / 1	96	70	98	64	61	82	54	80	1,900	2,400	121	\$ 6,348
N05-5015	6 / 1	118	70	98	86	61	82	54	80	2,400	3,600	162	\$ 9,507
N05-5020	8 / 1	143	70	98	111	61	82	54	80	2,900	4,800	209	\$ 11,343
N05-5030	10 / 2	168	70	98	136	61	82	54	80	3,400	6,000	256	\$ 15,470
N05-5035	12 / 2	193	70	98	161	61	82	54	80	3,800	7,200	304	\$ 17,637
N05-5040	14 / 3	236	70	98	204	61	82	54	80	5,100	8,400	388	\$ 20,633

IBC Storage Lockers

Non-Combustible

Non-Combustible Designs provide secure, spill contained storage for 1-2 IBC Totes.

- Provides a spill compliant sump, meeting EPA and UFC requirements
- Designs are FM approved
- Lockable hinged doors provide full face opening, easing material handling in and out of the Locker
- Full-face opening eases access for material handling
- Built to carry higher loads from IBCs
- Models P19-2250 and P19-2255 include damage limiting construction (DLC) panels
- **Options include:**
 - Dry chemical fire suppression system
 - 1.8 or 3.6 kw electric heater with R-10 insulation
 - 14,000 BTU air conditioner with R-10 insulation
 - Exterior light (500 W) with photo eye
 - Fiberglass grating and poly sump liner for storing acids / caustics



2-IBC tote Locker's double, full face opening doors allow easy access to both totes.



IBC tote Locker

FM APPROVED DENIOS-Leading Supplier of FM Approved Chemical Containment Products.

N-Series Lockers come in 90 MPH and 150 MPH Hurricane Rated Designs.

IBC Lockers / Non-Combustible — 90 mph windload

Model Number	IBC Capacity / No. Doors per Locker	Exterior Dimensions (ft)			Bay Dimensions (in)			Door Opening (in)		Shipping Weight (lbs)	Load Capacity per Bay (lbs)	Sump Volume (gal)	Price
		Length	Depth	Height	Length	Depth	Height	Length	Height				
K17-3583	1 / 1	99	70	100	69	62	61	54	80	2,300	5,000	559	\$ 6,666
K17-3585	2 / 1	153	70	88	123	62	61	54	80	3,100	10,000	501	\$ 8,870

IBC Lockers / Non-Combustible — 150 mph windload

P19-2050	1 / 1	99	70	100	87	61	61	54	80	2,300	5,000	506	\$ 10,252
P19-2055	2 / 1	153	70	88	121	61	64	54	80	2,900	10,000	501	\$ 13,113

IBC Lockers / Non-Combustible — 150 mph / DLC panels windload

P19-2250	1 / 1	99	70	100	67	61	61	54	80	2,300	5,000	560	\$ 14,085
P19-2255	2 / 1	153	70	88	121	61	64	54	80	2,900	10,000	501	\$ 18,025

IBC Storage Lockers

2-Hour Fire Rated

Added Safety for Totes Storing Flammables

These 2-hour fire rated Tote Locker designs provide for secured, convenient outdoor placement of 1-2 Totes near your facility.

Sumps are sized to provide compliant spill volumes for 350-gallon totes.

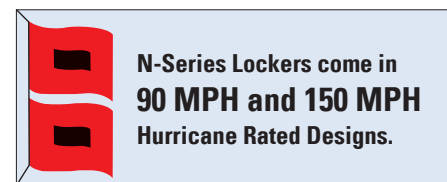
Roll-up door models FM Approved.

- Constructed with UL- approved 2-hour rated firewall design
- Complies with fire rating requirements for storage of flammables within 10 feet of your facility
- Built to carry the higher loads from IBC's
- Sump volumes meet EPA and UFC requirements
- Lockable hinged and roll-up doors provide full face opening, easing material handling in and out of the Locker



Single or double IBC Locker with hinged door designs to ease material handling / entry into the Locker.

Note: Two 13" vent hoods ship unattached but are included in length dimension.



Lockers for 1-2 IBC, 2-hour fire rated design is constructed with UL Approved firewalls. Roll-up doors includes fuse link and will automatically close in case of fire.

IBC Lockers / 2-Hour Fire Rated — 90 mph windload													
Model Number	IBC Capacity / No. Doors per Locker	Exterior Dimensions (ft)			Bay Dimensions (in)			Door Opening (in)		Shipping Weight (lbs)	Load Capacity per Bay (lbs)	Sump Volume (gal)	Price
		Length	Depth	Height	Length	Depth	Height	Length	Height				
P19-1250*	1 / 1	99	74	100	58	56	60	55	60	3,900	5,000	438	\$ 10,765
P19-1255	1 / 1	99	81	117	58	56	60	53	60	3,900	5,000	438	\$ 14,789
P19-1300*	2 / 1	153	70	88	112	56	60	108	60	5,200	10,000	423	\$ 13,767
P19-1305	2 / 1	153	81	102	112	56	60	108	60	5,200	10,000	423	\$ 18,926

IBC Lockers / 2-Hour Fire Rated — 150 mph windload													
Model Number	IBC Capacity / No. Doors per Locker	Exterior Dimensions (ft)			Bay Dimensions (in)			Door Opening (in)		Shipping Weight (lbs)	Load Capacity per Bay (lbs)	Sump Volume (gal)	Price
		Length	Depth	Height	Length	Depth	Height	Length	Height				
P19-2150	1 / 1	99	81	117	56	55	71	53	60	3,900	5,000	438	\$ 15,655
P19-2155	2 / 1	153	81	102	112	56	71	108	60	5,200	10,000	423	\$ 18,928

* P19-1250 and P19-1300 provide hinged doors and DO NOT carry the FM Approval

Specialty Storage Lockers

2-Hour Fire Rated

Secured Storage for Drums Storing Flammables

DENIOS' Specialty 2-Hour Fire Rated Lockers come with Automatic Closing Roll-Up Doors, providing the highest level of convenience and safety.

Doors are UL Labeled and Rated for 1-1/2 hours in accordance with FM Standards and NFPA regulations.

- Lockers have the same extended height allowing ample room for pumping and other activities
- Roll-up door has fuse link automatic closing in case of fire

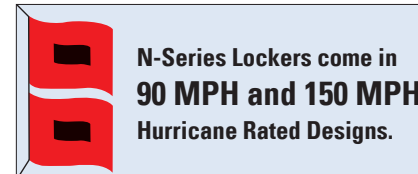
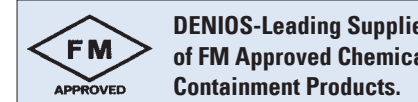
Models come standard with:

- Galvanized grating above a spill compliant sump
- Passive ventilation
- Exterior grounding lug
- Anchoring point
- NFPA 704 placard
- Choose between blue, tan, or white painted finish

Options include:

- Ramp and shelves
- Fire bottle (FE-241)
- Dry chemical fire suppression system
- 1.8 or 3.6kw electric heater with R-10 insulation
- 14,000 BTU air conditioner with R-10 insulation
- Interior light (300W) with fan (350 CFM)
- Exterior light (500W) with photo eye
- Fiberglass grating and poly sump liner for storing acids / caustics

Note: Two 13" vent hoods ship unattached but are included in length dimension.



4 Drum Locker with optional mechanical ventilation and dry chemical fire suppression (options sold separately).



2-8 Drum Locker shown with optional white color and dry chemical fire suppression (sold separately).

Specialty Lockers / 2-Hour Fire Rated — 90 mph Hurricane Rated Designs														
Model Number	Drum Capacity / No. Doors per Locker	Exterior Dimensions (ft)			Bay Dimensions (in)			Door Opening (in)		Shipping Weight (lbs)	Load Capacity per Bay (lbs)	Sump Volume (gal)	Price	
		Length	Depth	Height	Length	Depth	Height	Length	Height					
P19-1005	2 / 1	96	58	105	56	44	81	51	71	3,000	1,200	76	\$ 10,625	
P19-1055	4 / 1	96	81	105	55	56	81	51	71	3,400	2,400	98	\$ 11,747	
P19-1105	6 / 1	118	81	105	77	57	81	73	71	4,100	3,600	136	\$ 14,568	
P19-1155	8 / 1	143	81	105	102	57	81	98	71	4,800	4,800	180	\$ 17,662	

Specialty Lockers / 2-Hour Fire Rated — 150 mph Hurricane Rated Designs														
Model Number	Drum Capacity / No. Doors per Locker	Exterior Dimensions (ft)			Bay Dimensions (in)			Door Opening (in)		Shipping Weight (lbs)	Load Capacity per Bay (lbs)	Sump Volume (gal)	Price	
		Length	Depth	Height	Length	Depth	Height	Length	Height					
P19-2105	2 / 1	96	68	105	53	43	81	51	71	3,000	1,200	72	\$ 11,601	
P19-2110	4 / 1	96	81	105	53	55	81	51	71	3,400	2,400	93	\$ 12,928	
P19-2115	6 / 1	118	81	105	75	55	81	73	71	4,100	3,600	130	\$ 15,742	
P19-2120	8 / 1	143	81	105	100	55	81	98	71	4,800	4,800	173	\$ 19,177	

Custom Engineered Storage Lockers

Like our Non-Occupancy and Occupancy Buildings, DENIOS can custom engineer our Lockers to meet the requirements of just about any application.

Customized Lockers have included heated and cooled models, custom door sets, fixed shelves, as well as designs for specialized dispensing.



Fire rated Locker with mechanical ventilation.

In addition, DENIOS also engineers its Lockers for process heating applications, utilizing either steam or electric heat and achieving temperatures up to 300°F.



Optional fixed shelf provides for storage of small packages of flammables. Automatic fire doors remain open for access to packages and will close in case of fire in or outside of the Locker.

Standard options (see adjoining page) are available by Locker Series.



Optional double roll-up doors allow for easier handling and processing of totes.



Double tote Locker with fire rated construction and mechanical ventilation.

Storage Locker Options



K-Series Lockers

All models come standard with galvanized grating above a spill compliant sump, passive ventilation, exterior grounding lug, anchoring point and NFPA 704 placard.

There are no options available.



IBC Lockers

All models come standard with galvanized grating above a spill compliant sump, passive ventilation, exterior grounding lug, anchoring point and NFPA 704 placard. Choose between blue, tan, or white painted finish.

Options include dry chemical fire suppression system, 1.8 or 3.6kw electric heater with R-10 insulation, 14,000 BTU air conditioner with R-10 insulation, exterior light (500W) with photo eye and fiberglass grating and poly sump liner for storing acids/caustics.



PK-Series Lockers

All models come standard with galvanized grating above a spill compliant sump, passive ventilation, exterior grounding lug, anchoring point and NFPA 704 placard. Choose between blue, tan, or white painted finish.

Options include ramp, interior light (300W) with fan (350 CFM), exterior light (500W) with photo eye, shelves and fire Bottle (FE-241).



N-Series Lockers

All models come standard with galvanized grating above a spill compliant sump, passive ventilation, exterior grounding lug, anchoring point and NFPA 704 placard. Choose between blue, tan, or white painted finish.

Options include ramp and shelves, water sprinkler, fire bottle (FE-241), dry chemical fire suppression system, 1.8kw and 3.6kw electric heater with R-10 insulation, 14,000 BTU air conditioner with R-10 insulation, interior light (300W) with fan (350 CFM), exterior light (500W) with photo eye and fiberglass grating and poly sump liner for storing acids/caustics.



Specialty Lockers

All models come standard with galvanized grating above a spill compliant sump, passive ventilation, exterior grounding lug, anchoring point and NFPA 704 placard. Choose between blue, tan, or white painted finish.

Options include ramp and shelves, water sprinkler, fire bottle (FE-241), dry chemical fire suppression system, 1.8 or 3.6kw electric heater with R-10 insulation, 14,000 BTU air conditioner with R-10 insulation, interior light (300W) with fan (350 CFM), exterior light (500W) with photo eye and fiberglass grating and poly sump liner for storing acids/caustics.

Heated Drum Lockers

Without Sump

Heated Lockers Provide Temperatures up to 300° F for Chemical Process Heating Applications

- Choose between floor models and models with compliant spill containment sumps
- Floor models sized for 1, 2, and 4 drums and 1 IBC Totes
- Sump models provide capacities for 1, 2, 4, and 8 drums as well as 2 IBC Totes
- Choose between electric or steam heated systems. Note: Standard electric heated versions not intended for heating flammables or combustibles

All models on pages 70-71 come standard with:

- Galvanized interior surfaces
- Temperature controls with digital readouts (electric heat)
- Weather tight construction allows in- or outdoor placement
- Energy saving insulation in walls and roof
- Standard electric or steam heated system



2-Drum Locker with electric heating and ventilation package. Order No. P19-3125



\$ 12,122.00

Order-No. K17-3150



Drum Carts roll easily into the floor level designed Lockers, providing ease of drum handling and compliant spill containment.

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Heated Drum Lockers — Electric Heat													
Model Number	Drum / IBC Capacity	Exterior Dimensions (in)			Interior Dimensions (in)			Door Opening (in)		Shipping Weight (lbs)	Load Capacity per Bay (lbs)	Sump Volume (gal)	Price
		Length	Depth	Height	Length	Depth	Height	Length	Height				
P19-3110	1 Drum	47	55	64	40	37	58	-	-	1,100	-	-	\$ 9,880
P19-3125	2 Drum	67	55	64	60	37	58	-	-	1,475	-	-	\$ 10,909
P19-3150	4 Drum	67	69	64	60	51	58	-	-	1,815	-	-	\$ 12,122
P19-3155	1 IBC	67	69	64	60	51	65	-	-	1,925	-	-	\$ 12,455
Heated Drum Lockers — Steam Heat													
P19-3215	1 Drum	47	55	64	40	37	58	-	-	1,100	-	-	Call for Quote
P19-3230	2 Drum	67	55	64	60	37	58	-	-	1,475	-	-	
P19-3245	4 Drum	67	69	64	60	51	58	-	-	1,815	-	-	
P19-3250	1 IBC	67	69	64	60	51	65	-	-	1,925	-	-	

Heated Drum Lockers

With Sump

Options:

- Air Circulation/Blower Package provides for faster, more uniform heating
- Steam Trap for removing and containing condensation from coil. (Steam models only)
- Explosion Rated Components when heating combustibles and flammables. (Steam models only)
- Timers and chart recorders
- Drum Carts with spill containment to ease handling in and out of the floor models

Heating Flammables or Combustibles?

Order Units with our 2-Hour Fire Rated Class A Oven Package! Great for Pre-Heating, Melting, or Normalizing Products Prior to Processing.

- UL-listed 2-hour wall construction
- Insulated base (sump models)
- Explosion-proof mechanical exhaust ventilation with manual damper
- Back-up/redundant over temperature controls
- Per NFPA regulations, in applications heating flammables and combustibles electric heat models only heat to 90° F max

Call for a no obligation consultation and quotation.



\$ 16,908.00

Note: Intended for use on closed drums only! Two IBC electric heated Locker with sump. Order No: P19-3085

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-DENIOS-

Heated Drum Lockers — Electric Heat													
Model Number	Drum / IBC Capacity	Exterior Dimensions (in)			Interior Dimensions (in)			Door Opening (in)		Shipping Weight (lbs)	Load Capacity per Bay (lbs)	Sump Volume (gal)	Price
		Length	Depth	Height	Length	Depth	Height	Length	Height				
P19-3010	1 Drum	49	42	72	30	30	48	-	-	1,220	600	66	\$ 10,036
P19-3015	2 Drum	73	42	65	54	30	48	-	-	1,650	1,200	96	\$ 11,949
P19-3020	4 Drum	73	66	65	54	54	48	-	-	2,115	2,400	121	\$ 13,162
P19-3025	4 Drum	133	66	65	113	54	48	-	-	3,530	4,800	209	\$ 15,805
P19-3080	1 IBC	73	66	96	54	54	55	-	-	2,445	5,000	438	\$ 13,993
P19-3085	2 IBC	133	66	80	113	54	55	-	-	4,025	10,000	423	\$ 16,908
Heated Drum Lockers — Steam Heat													
P19-3305	1 Drum	49	42	72	30	30	48	-	-	1,220	600	66	Call for Quote
P19-3310	2 Drum	73	42	65	54	30	48	-	-	1,650	1,200	96	
P19-3315	4 Drum	73	66	65	54	54	48	-	-	2,115	2,400	121	
P19-3320	4 Drum	133	66	65	113	54	48	-	-	3,530	4,800	209	
P19-3385	1 IBC	73	66	96	54	54	55	-	-	2,445	5,000	438	
P19-3387	2 IBC	133	66	80	113	54	55	-	-	4,025	10,000	423	

Large Area Spill Containment

DENIOS prides itself on leading the spill control and containment industry in product development.

Spill containment or Secondary Containment systems are generally conceived to hold a pre-defined volume of liquid in a containment or spill sump sized for the specific volume of product being stored. These products confine a spill in the sump to prevent the spill from spreading.

Many situations do not lend themselves to common secondary containment equipment. Processing or warehousing often involve larger volumes or areas than can be practically housed in a hazmat enclosure. In addition, what about damage to facilities from outside floodwaters? What options are there for containing larger spills or floods that threaten wide areas?

OSHA and EPA Regulations require that all releases be contained and that the flow of chemicals and / or sprinkler water be prevented from migrating into drains, sewers or the environment. Such large volume spills can prove to be catastrophic in scope and expenses involving reclamation, repair and monetary fines.

Recent developments have led us to combine several of our newest technologies into a new family of products under the LASC™ trade name. DENIOS is your best partner for analyzing and solving your Large Area Spill Containment issues.



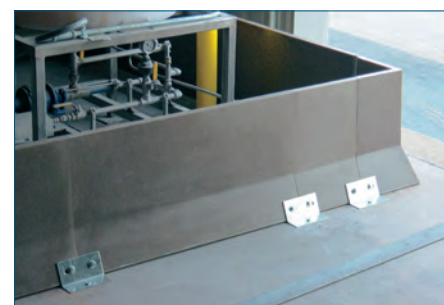
Automatic Doorway Spill Barriers quickly seal off a room, preventing any spill from contaminating other parts of your plant. The ADSB operates without any power assist and lays flat until triggered by a spill.



FM Approved Doorway Flood Barriers guard against flash floods from entering facilities. Like the ADSB, they operate without any power assist and lay flat when not in use, allowing normal traffic flow.



Manual doorway spill barriers are great for low traffic areas. The door easily lifts out for access to the sealed area, otherwise the door is normally in place.



The HazBerm is a system of polymer concrete segments which easily assemble to form a leak proof, chemical and fire resistant, temporary chemical storage area.

HazBerm

DENIOS' Exclusive HazBerm creates large, modular containment areas within facilities – a more efficient alternative to conventional berms and curbs

- Patent-pending modular design allows for custom sizing for each application
- Polymer concrete segments are highly chemical and fire resistant
- Use in combination with Doorway Spill Barriers to allow easy transport in and out of the berm area
- Systems are easily supplied and installed
- Easily relocated or altered as needs change – no need to jack-hammer and replace the existing system
- Available in tan or black
- Does not require floor footers, forms, or on-site concrete pouring



Segments seal together to form a virtually leak-proof barrier



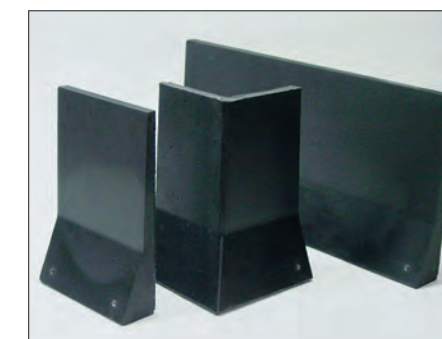
The HazBerm can be placed around processing equipment to contain potential leaks and spills



HazBerm is both chemical and fire resistant.



Combine with manual or automatic Doorway Spill Barriers to allow easy access to stored chemicals



The HazBerm is available in 1 and 3 foot segments as well as the 1 foot corner and reverse corner segments. (Reverse corner not shown. Hardware included, but not shown.)

HazBerm Segments — Tan

Model Number	Description	Exterior Dimensions (in)			Interior Dimensions (in)			Shipping Weight (lbs)	Price
		Length	Depth	Height	Length	Depth	Height		
R05-0230	3' Straight	36	4	18	-	-	-	90	\$ 388
R05-0210	1' Straight	12	4	18	-	-	-	29	\$ 214
R05-0290	1' Corner	12	4	18	8	4	18	44	\$ 348
R05-0292	1' Reverse Corner	12	4	18	8	4	18	44	\$ 348

HazBerm Segments — Black

R05-0231	3' Straight	36	4	18	-	-	-	90	\$ 388
R05-0211	1' Straight	12	4	18	-	-	-	29	\$ 214
R05-0291	1' Corner	12	4	18	8	4	18	44	\$ 348
R05-0293	1' Reverse Corner	12	4	18	8	4	18	44	\$ 348

Automatic Doorway Spill Barriers

In cases of catastrophic spills or sprinkler releases, containing the spill to a single room or area can limit the costs associated with clean-up or facility damage.

DENIOS Automatic Doorway Spill Barriers provide the protection to contain those large spills by closing off any doorway or opening in the affected room at the first sign of flowing liquids.

Federal Regulations along with Local Jurisdictions require that sprinkler water in combination with regulated or hazardous materials be prevented from being released into the environment via sewers, streams, or ground contamination. When a release occurs, fines and clean-up costs can be staggering.

NFPA-30 9.13.3

Curbs, scuppers, special drains, or other suitable means shall be provided to prevent the flow of liquids under emergency conditions into adjacent building areas.

IFC-2704.2.2.3 (2009)

Secondary containment for indoor storage areas shall be designed to contain a spill from the largest vessel plus the design flow volume of fire-protection water calculated to discharge from the fire-extinguishing system over the minimum required system design area or area of the room... for a period of 20 minutes.

OSHA 1910.106 (e) (3) (iv) (a)

Emergency drainage systems shall be provided to direct flammable or combustible liquid leakage and fire protection water to a safe location. This may require curbs, scuppers, or special drainage systems to control the spread of fire.

OSHA 1910.106 (d) (4) (i)

Openings to other rooms or buildings shall be provided with non-combustible liquid-tight raised sills or ramps at least 4" in height.



Barriers prevent spills from reaching storm drains or contaminating ground water



Combine with curbing to effectively cut off and contain liquid storage areas.

Fully automatic operation ensures barrier will close even in cases of power loss

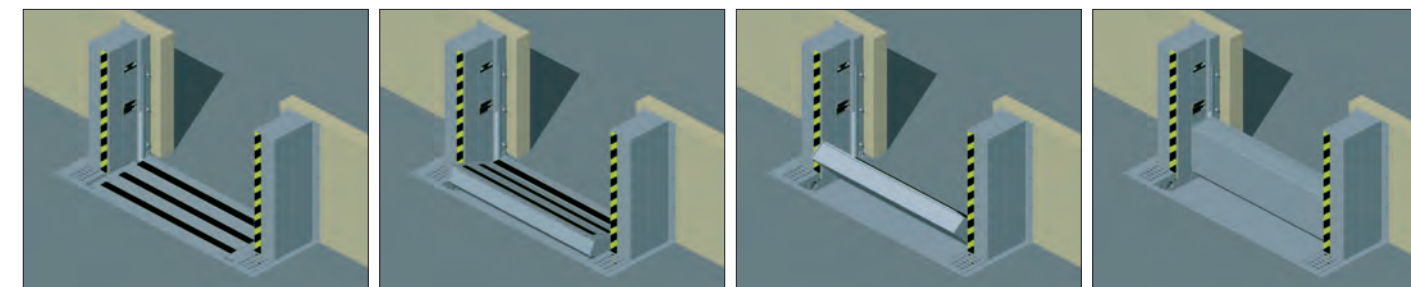
Features of the Automatic Doorway Spill Barrier Include:

- Solid welded stainless steel construction
- Self-contained one piece system design
- Fully automatic operation, no external power source or factory compressed air required
- Easy installation in existing doorways; stores horizontally in the floor, permitting unobstructed vehicular and personnel traffic until a spill occurs
- While laying flat, Barrier provides up to 6.5 tons axle weight capacity
- Designed to fit in doorways between 3 and 16 feet, with barrier heights of 12 to 24 inches (16' x 24" not available)



Automatic Doorway Spill Barriers are often utilized as containment equipment for Flammables Storage Rooms

Operation – Flow of liquid triggers the Barrier to automatically shut



When not deployed, Barrier door stores flat in floor, eliminating the need for ramps or berms. Automatically closes with introduction of liquid in the built-in collection sump, creating a liquid tight seal and containing the spill in the room where it originated

Liquid Retention Height — 12-inch			
Model Number	Nominal Width of Door (ft)	Opening Span (In)	Sealed Width (In)
R14-0312	3	36	40
R14-0412	4	48	52
R14-0612	6	72	76
R14-0812	8	96	100
R14-1012	10	120	124
R14-1212	12	144	148
R14-1412	14	168	172
R14-1612	16	192	196

Liquid Retention Height — 18-inch			
Model Number	Nominal Width of Door (ft)	Opening Span (In)	Sealed Width (In)
R14-0318	3	36	40
R14-0418	4	48	52
R14-0618	6	72	76
R14-0818	8	96	100
R14-1018	10	120	124
R14-1218	12	144	148
R14-1418	14	168	172
R14-1618	16	192	196

Liquid Retention Height — 24-inch			
Model Number	Nominal Width of Door (ft)	Opening Span (In)	Sealed Width (In)
R14-0324	3	36	40
R14-0424	4	48	52
R14-0624	6	72	76
R14-0824	8	96	100
R14-1024	10	120	124
R14-1224	12	144	148
R14-1424	14	168	172

FM Approved Flood Barrier

DENIOS announces our new FM Approved Automatic Doorway Flood Barrier System (FM Approvals Class 2510). This barrier keeps floodwaters out of your facilities by providing a flood "wall" at your doorways.

Provides all the durable construction and operational characteristics of our doorway spill barrier but is designed specifically for floodwaters.

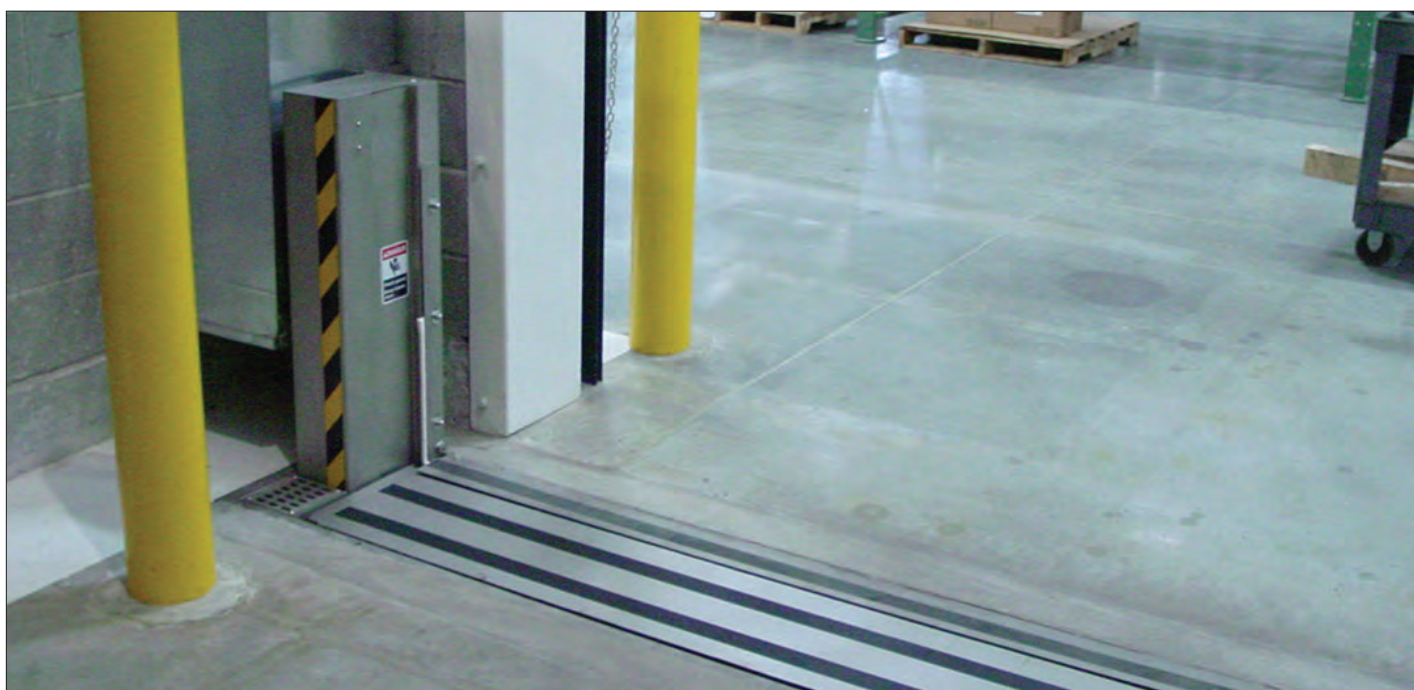
The Doorway Flood Barrier installs easily in existing doorways and stores horizontally in the floor, permitting normal vehicular and personnel traffic, until a flood occurs. With the first flow of water the Barrier automatically closes. No additional ramps or berms are needed.

In addition, the DENIOS Automatic Doorway Flood Barrier provides:

- Door heights of 12, 18, and 24 inches. Widths from 3 to 12 feet.
- Flexible design allows installation either inside or outside exterior doors.



Doorway Flood Barrier in closed position.



In open position, Flood Barrier lays flat in floor, allowing normal traffic.

Liquid Retention Height — 12-inch			
Model Number	Nominal Width of Door (ft)	Opening Span (In)	Sealed Width (In)
R11-0312	3	36	40
R11-0412	4	48	52
R11-0612	6	72	76
R11-0812	8	96	100
R11-1012	10	120	124
R11-1212	12	144	148

Liquid Retention Height — 18-inch			
Model Number	Nominal Width of Door (ft)	Opening Span (In)	Sealed Width (In)
R11-0318	3	36	40
R11-0418	4	48	52
R11-0618	6	72	76
R11-0818	8	96	100
R11-1018	10	120	124
R11-1218	12	144	148

Liquid Retention Height — 24-inch			
Model Number	Nominal Width of Door (ft)	Opening Span (In)	Sealed Width (In)
R11-0324	3	36	40
R11-0424	4	48	52
R11-0624	6	72	76
R11-0824	8	96	100
R11-1024	10	120	124
R11-1224	12	144	148

Manual Doorway Spill and Flood Barriers

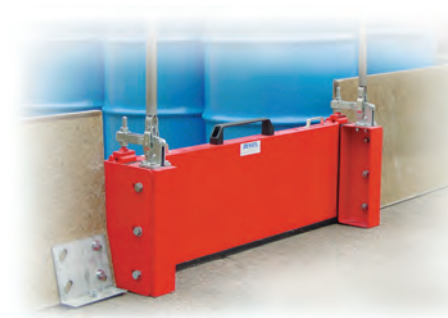
The latest DENIOS innovation! Introducing our new line of Manual Spill and Flood Barriers for Doorways.

Barriers clamp securely into preset piers mounted on either side of the opening.

Designed to contain spills, leaks, and / or sprinkler water releases. By sealing off doorways or other openings, liquids are prevented from spreading beyond the immediate room or area.

Barriers may also be used on the exterior of doorways to prevent high water from storms or floods from entering critical areas and damaging, expensive equipment or inventory.

On-site installation is easily accomplished in new or existing facilities using the step-by-step installation instructions provided.



The barrier is designed for both interior and exterior storage applications.

Note: Other heights & widths available!

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- Chemical-resistant gaskets maintain a tight seal in both hot and cold conditions
- Rigid design withstands extreme temperatures during a fire
- Unique clamping mechanism secures the barrier in place between piers
- Eliminates need for ramps / berms at doorways or other openings



When open, store the barrier close to the mounting piers for quick, easy deployment in the event of a spill.

Deploys in Seconds!



Barrier piers are mounted on both sides of the doorway, allowing normal traffic when the barrier is not deployed.



At the first sign of an incident the barrier is lowered into position.



Within seconds the doorway is secured against flowing liquids.

Manual Doorway Barriers				
Model Number	Exterior Dimensions (in)		Shipping Weight (lbs)	Price
	Length	Height		
R12-0312	36	12	55	\$ 2,760
R12-0412	12	12	59	\$ 3,284
R12-0612	12	12	69	\$ 3,026
R12-0812	12	12	82	\$ 4,266
R12-1012	12	12	105	\$ 5,116



The DENIOS Vision

DENIOS is the worldwide leader in hazardous materials storage, industrial environmental protection, and workplace health and safety. Our highly motivated and skilled team is constantly searching for new ideas and creative innovations, making a positive impact in shaping the future. We provide customer benefits through exceptional product quality, prompt delivery and outstanding customer support and communication.

DENIOS pledges to be a confidence inspiring project partner and reliable problem solver for all environmental protection and workplace safety applications.

Corporate Office & Manufacturing

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Louisville, KY 40219

Phone: 502-933-7272 or 800-216-7776

Fax: 502-933-1560

E-Mail: info@denios-us.com

Internet: www.denios-us.com

► **Note: Due to fluctuating costs of materials, please check the website for latest prices.**