

Storage Buildings with Damage Limiting Construction for Flammable Liquids

These structures are designed to provide a safe, secure storage area with secondary containment for chemicals and hazardous waste materials. They are designed for the storage and dispensing of flammable liquids. The buildings have been designed to withstand a minimum wind pressure of +20 lb/ft² (1.0 kPa) inward and -28 lb/ft² (1.3 kPa) outward based on a wind speed of 90 mph wind (empty building) unless shown otherwise. The floor support system has a capacity of at least 250 lb/ft² (1208 kg/m²) under dry conditions and the roof assembly is capable of resisting a downward vertical load of at least 40 lb/ft² (193 kg/m²) plus its own weight. The sump volume is of sufficient capacity to handle one-fourth of the building's maximum fluid contents. Buildings are of a non-combustible (non-fire rated) construction unless indicated otherwise. These buildings incorporate venting panels as a means of Damage Limiting Construction. The required area of the venting panels is designed in accordance with FM Global Loss Prevention Data Sheet 1-44, Damage Limiting Construction.

Fire rated buildings may incorporate damage limiting construction (explosion relief) panels as shown below. These panels are not fire rated unless shown otherwise. Non fire rated panels in a fire wall are to be treated as an unprotected opening and may compromise the fire rating on any wall that incorporates such panels. This requires the end user to give careful consideration on where this structure is located and how it is oriented on the property. The structure needs to be oriented such that the fire walls that do *not* contain these panels are adjacent to other structures that need to be protected from a fire exposure. Conversely, walls containing the damage limiting construction panels must be oriented such that if an explosion occurs, the direction of the venting is away from the main building or other occupied areas.

911xx1 Series Storage Buildings

Non-combustible construction. The buildings have been designed to withstand wind pressure of ± 28 lb/ft² (0.7 kPa) inward and outward based on a wind speed of 90 mph (40 m/s). The buildings are designed to withstand a combined roof (live and snow) load of 40 lb/ft² (195 kg/m²). The floor support system has been designed for a capacity of 250 lb/ft² (1220 kg/m²) under dry conditions.

The 911021 and 911041 units are 75 in (1.9 m) in height while all other units are 97 in (2.5 m) in height.

Units are limited to outdoor usage.

Damage Limiting Construction designed in accordance With Approval Standard 6049, Appendix C, Table C-1.

Model No.	Capacity, drums	Length, in (m)	Width, in (m)
911021	2	36 (0.9)	60 (1.5)
911041	4	60 (1.5)	60 (1.5)
911061	6	60 (1.5)	84 (2.1)
911091	9	84 (2.1)	84 (2.1)
911121	12	84 (2.1)	108 (2.7)
911161	16	108 (2.7)	108 (2.7)

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Company Address:	3921 Dewitt Ave, Mattoon, Illinois 62938, USA
Company Website:	http://www.justritemfg.com
New/Updated Product Listing:	No
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