

## Storage Buildings without 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/ft<sup>2</sup> (1.0 kPa) inward and -28 lb/ft<sup>2</sup> (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/ft<sup>2</sup> (1208 kg/m<sup>2</sup>) under dry conditions and the roof assembly is capable of resisting a downward vertical load of at least 40 lb/ft<sup>2</sup> (193 kg/m<sup>2</sup>) plus its own weight. The sump volume is of sufficient capacity to handle one-fourth of the building's maximum fluid contents. Buildings are normally of a non-combustible (non-fire rated) construction although some buildings are fire rated.

These structures are FM Approved for indoor or outdoor use. Suitability for use inside a main building can only be determined by the authority having jurisdiction.

### 911xxx and 914xxx Series Storage Buildings

Non-combustible construction. The buildings have been designed to withstand wind pressure of  $\pm 28$  lb/ft<sup>2</sup> (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/ft<sup>2</sup> (195 kg/m<sup>2</sup>). The floor support system has been designed for a capacity of 250 lb/ft<sup>2</sup> (1220 kg/m<sup>2</sup>) under dry conditions.

The 911020, 911040, 914020 and 914040 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.

<i>Model No.</i>	<i>Capacity, drums</i>	<i>Length, in (m)</i>	<i>Width, in (m)</i>
911020	2	36 (0.9)	60 (1.5)
911040	4	60 (1.5)	60 (1.5)
911060	6	60 (1.5)	84 (2.1)
911090	9	84 (2.1)	84 (2.1)
911120	12	84 (2.1)	108 (2.7)
911160	16	108 (2.7)	108 (2.7)
914020	2	36 (0.9)	60 (1.5)
914040	4	60 (1.5)	60 (1.5)
914060	6	60 (1.5)	84 (2.1)
914090	9	84 (2.1)	84 (2.1)
914120	12	84 (2.1)	108 (2.7)
914160	16	108 (2.7)	108 (2.7)

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<b>New/Updated Product Listing:</b>	No
<b>Listing Country:</b>	United States of America
<b>Fire Rating:</b>	Non-Combustible
<b>Certification Type:</b>	FM Approved