



Fire-Rated Aboveground Tanks



Modern Custom Fabrication, Inc.

Toll Free: (800) 800-8265

Phone: (559) 264-4741

modweldco.com

Why SuperVault MH?



SuperVault MH double-wall, fire-protected aboveground storage tanks feature an inner and outer steel tank with lightweight thermal insulation that exceeds a 4-hour fire test.

Features

- Insulating material is 75% lighter than concrete, reducing shipping, installation and relocation costs
- Insulates product from ambient temperature variations, reducing emissions to the environment
- Compatible with a wide range of fuels and chemicals, including biodiesel and ethanol
- Support designs available for all seismic requirements
- Meets 4-hour furnace test requirements
- Interstitial space can be monitored for leak detection
- Capacities range up to 20,000 gallons
- Low-cost compartments and customization
- Reusable after hazard exposure (subject to inspection and recertification)
- Ballistic and vehicle impact resistant
- Hose stream tested



The Standard

in Fire-Rated AST's

- UL-2085 Listed
- Inner and outer steel tanks are built to UL-142 standards
- Optional UL-752 Level 9 advanced ballistics construction available on certain configurations
- National Fire Protection Association (NFPA) 30 & 30A
- International Fire Code (IFC)
- California Air Resources Board (CARB) Standing Loss Control testing requirements for air emissions
- Southwest Research Institute (SwRI) Multi-Hazard Standard 95-03 & 93-01 for Protected Aboveground Storage Tanks
- Alternative construction to tank diking requirements



1

**Steel Primary Tank
Built to UL Standards**

3

**Steel Secondary Tank
Built to UL Standards**

2

Lightweight Thermal Insulation

- Unique feature that helped SuperVault MH exceed a 4-hour fire test
- Sufficiently porous to facilitate quick emergency venting and/or leak detection

Engineered for Durability

SuperVault MH offers unmatched asset protection. While other tanks require replacement after hazards like fire or impact, SuperVault MH is built to last. Our advanced inspection and re-certification process guarantees evaluation and restoration, to reduce costly replacements.



CYLINDRICAL SIZES FROM 250 GALLONS TO 20,000 GALLONS

MODEL NUMBER	GALLONS	LENGTH	HEIGHT	WIDTH	APPROX. WEIGHT (lbs.)
MH-D1-250	250	6'3"	4'7"	4'3"	3,700
MH-D1-500	500	10'2"	4'7"	4'3"	5,400
MH-D1-750	750	14'7"	4'7"	4'3"	7,400
MH-D2-500	500	6'3"	5'9"	5'5"	5,100
MH-D2-750	750	8'6"	5'9"	5'5"	6,500
MH-D2-1000	1000	10'11"	5'9"	5'5"	7,800
MH-D2-1500	1500	15'8"	5'9"	5'5"	10,600
MH-D2-2000	2000	20'6"	5'9"	5'5"	13,500
MH-D3-1000	1000	7'4"	6'10"	6'6"	7,600
MH-D3-1500	1500	10'4"	6'10"	6'6"	9,700
MH-D3-2000	2000	13'4"	6'10"	6'6"	12,000
MH-D3-3000	3000	19'3"	6'10"	6'6"	16,400
MH-D3-4000	4000	25'3"	6'10"	6'6"	22,600
MH-D4-2000	2000	8'6"	8'5"	8'1"	12,900
MH-D4-3000	3000	12'1"	8'5"	8'1"	16,700
MH-D4-4000	4000	15'9"	8'5"	8'1"	22,100
MH-D4-5000	5000	19'3"	8'5"	8'1"	26,000
MH-D4-6000	6000	22'10"	8'5"	8'1"	29,400
MH-D4-8000	8000	30'3"	8'5"	8'1"	37,300
MH-D4-10000	10000	37'11"	8'5"	8'1"	44,000
MH-D5-6000	6000	13'4"	11'1"	10'9"	28,800
MH-D5-8000	8000	16'3"	11'1"	10'9"	34,800
MH-D5-10000	10000	20'5"	11'1"	10'9"	41,500
MH-D5-12000	12000	24'0"	11'1"	10'9"	48,000
MH-D5-15000	15000	29'5"	11'1"	10'9"	55,600
MH-D5-20000	20000	38'8"	11'1"	10'9"	69,500

RECTANGULAR SIZES FROM 250 GALLONS TO 2,000 GALLONS

MHR-D-250	250	7'1"	3'6"	4'1"	4,150
MHR-D-500	500	6'1"	4'6"	6'0"	5,650
MHR-D-1000	1000	11'1"	4'6"	6'0"	9,250
MHR-D-1500	1500	11'1"	4'6"	8'3"	11,600
MHR-D-2000	2000	11'1"	5'7"	8'3"	12,800

All dimensions are outer. Please note that all dimensions and weights are approximate. Individual tanks may vary from these values.

Is Your Aboveground Tank Everything It's Cracked Up To Be?



Concrete Encased

- Secondary containment is tightness-tested at the manufacturing site using standard, economical testing procedures.
- SuperVault MH's steel outer wall provides low-cost maintenance and protects the insulation material from weathering.
- An average 12,000 gallon SuperVault MH weighs under 48,000 pounds - well within the legal load limit for trucking
- The secondary containment on certain designs may require elaborate and expensive procedures to be tested on-site.
- Exposed concrete outer wall is susceptible to cracking, spalling and weathering - problems that are expensive to correct and are usually not covered by warranty.
- An average 12,000 gallon concrete-encased tank weighs upwards of 100,000 pounds. Imagine the advantages gained in handling a 12,000 gallon SuperVault tank that weighs a half of that.



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Modern Welding Company, Inc.

Subsidiaries Nationwide

Toll Free: (800) 922-1932 | Phone: (270) 685-4400

modweldco.com