

Modern Welding Company, Inc.
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Subsidiaries Nationwide

Guide Specification

Modern Welding Company, Inc

Product: Integrated Overflow Compartments, "IOC" for Steel Aboveground Storage Tank

Aboveground Tanks with 110% Total Containment Capability

Tanks shall be of diameter and capacity shown on the plans. Tanks shall be of welded steel construction of one of the following styles:

- Underwriters Laboratories UL-142 Double Wall
- Steel Tank Institute F-921 Double Wall
- Flameshield, Southwest Research Institute, Fire Tested
- Fireguard, Underwriters Laboratories UL-2085, Fire Protected
- SuperVault, Southwest Research Institute, Multi-Hazard Rating

The primary and secondary tanks shall be fabricated in accordance with specified standards, and so labeled.

- 1.0 Tanks shall meet all applicable federal and state codes and regulations, and shall be compatible with the products to be stored.
- 2.0 Tanks shall include an integrated overflow compartment, capable of containing 10% of the capacity of the primary tank. When the primary tank liquid level exceeds 95% capacity, the product will flow into the "Integrated Overfill Compartment". This meets the NFPA 30 requirement for the primary tank not to exceed the 95% capacity level. Tanks shall be of "Integrated Overfill Compartment" (IOC) design and manufactured by Modern Welding Company.
- 3.0 Fittings and accessories:
 - 3.1 Normal and emergency venting connections with vents shall be provided.
 - 3.2 A minimum 2" pipe connection shall be provided in the secondary tank to monitor the annular space.
 - 3.3 Lifting lugs of adequate size and lifting capacity shall be provided.
 - 3.4 Tanks shall be furnished with support saddles, skids or stabilizers as shown on plans.
- 4.0 Exterior surfaces of tanks and supports shall be commercial blasted to SSPC-SP-6 and receive a shop applied finished coating system, i.e. Acrylathane or equivalent VOC compliant coating.*
- 5.0 Tanks shall be tested by the manufacturer in accordance with the specified construction standards.
- 6.0 Tanks shall be installed in accordance with applicable codes, regulations and manufacturer's installation recommendations.

* = Coating system may change due to availability and application.

06/2018 MODERN WELDING CO, INC

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