



Tarsco[®]
a TF Warren Company



ASME SPHERES

Typical larger sized sphere sizes:

Full service provider for storage tanks and terminals

Spherical shaped storage in the form of ASME pressure vessels are used in gas and liquid storage in many industries including midstream, downstream, petrochemical, chemical, waste water, and aerospace. Spheres can store many products such as anhydrous ammonia, LPG, NGL, gasoline, naphtha, butadiene, ethylene, hydrogen, oxygen, nitrogen, argon, LNG, biogas, sewage gas and waste water.

A spherical shape offers uniform stress distribution under internal loading resulting in highly efficient pressurized storage. Sphere storage results in the lowest land space for pressurized storage and offers lower costs for foundations, coatings, accessories, and piping than other options.

Tarsco can assist you with sphere storage for ambient, low, or cryogenic temperature applications.

We provide EPC/Turnkey solutions for ASME sphere storage in accordance with our ASME Certificates of Authorization for Section VIII, Divisions 1 and 2 vessels, as well as sphere/vessel repair in accordance with our National Board R Certificate of Authorization. Our team includes numerous industry experts in the design, project engineering, fabrication, construction, coatings, and insulation of spheres with more than 200 man years of proven experience.

Spheres can be built from 1,000 barrels to 75,000 barrels of capacity with the table illustrating typical larger sized spheres based on barrel sizes with sphere diameters, number and sizes of column legs.

Diameter Ø Feet and Inches	Number Size Of Columns	Capacity / Barrels
54'-9"	9 @ 32"	15,000
60'-6"	10 @ 34"	20,000
65'-0"	11 @ 36"	25,000
69'-0"	11 @ 40"	30,000
73'-0"	11 @ 42"	36,000
76'-0"	12 @ 42"	40,000
81'-10"	13 @ 42"	50,000



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