

T H E E C O N O M I C S O F I N N O V A T I O N



Custom Fabricated Chemical & Industrial Tanks

Specializing in Tanks & Equipment
for Chemical, Oil & Gas Industries





A division of McWane, Inc., Manchester Tank is the premier manufacturer of pressure vessels for propane, air, refrigerant, and industrial applications in the United States, Canada and Australia. We continue to set the standard for quality and reliability, and provide unsurpassed value in both mass-market and customized D.O.T. and A.S.M.E. products.

Our North American operations include five manufacturing facilities and numerous distribution points throughout the continent, providing timely delivery to local customers. A national sales force works constantly with our customers to ensure we meet their needs efficiently and cost effectively. Our Australian operations include one manufacturing plant and a dedicated sales force, serving markets in Australia, New Zealand and the Pacific Rim. Our corporate headquarters is located in Franklin, Tennessee.

Manchester Tank's product line is broad and deep, and includes virtually all pressure tank families. Propane tanks made to DOT specification range in size from 5 to 420 pounds, and are centered around the LP Gas, recreational vehicle and gas grill businesses. Air receivers built in accordance with ASME requirements range from 1 to 30,000 gallons and focus on the air compressor, air separator, and HVAC markets. Chemical and fire suppressant tanks are built across a wide range of sizes, and custom-sized vessel construction is available.

For additional information on custom fabricated tanks and equipment contact us at:

1-800-877-8265

or fax us at: 1-800-876-6449

CUSTOM 2 PIECE DE-AREATOR Used in steam generation systems. Because of its complex construction, this application is made in two sections, which are bolted together by the customer.



A close-up of one of the sections along with some connecting pipes.



LOW-PRESSURE TEE-TANK This is a custom, 60" TEEB, used for air applications.



INDUSTRIAL AIR RECEIVER Large, custom air receiver, 96" (2438.4mm) in diameter, 502" (12750.8mm) long.



VERTICAL TORICONICAL TANK Custom, 108" cone.



CYCLONE SEPARATOR TANK
Custom air tank.



Another view.



FIRE SUPPRESSANT CYLINDER

This 29 liter cylinder is being drop-tested.



Lifting the heaviest air receiver built by Manchester.

Chemical & Industrial Tanks from Manchester Tank

- Currently building tanks and cylinders under the following codes: DOT, ASME, USCG, ABS, IMDG, SAE-J10, TPED, PED, CE, TC, ADR/RID or UN performance packaging. Manufactured to your specifications in vertical or horizontal configurations.
- Full engineering staff at your service.
- Available in carbon or stainless steel and aluminum.
- Maximum container capacities: 120" diameter, 30,000 gallon water capacity and tanks up to 3,000 psi. These capacities will vary with size of container.
- Choose handling from 2-way, 4-way, forklift access and/or lift lugs for safe transport.
- Valving compartments can be internal (concealed valve protection) or external (protected by heavy steel collars).
- Valve installations are customer specific. We install customer supplied valves or special order to meet your engineering requirements.
- Various types of internal and external coatings available.

Working pressure guidelines:

- Up to 36" (914.4mm) diameter, 3000 psi (20.69 MPa) max.
- Over 36" (914.4mm) diameter, dependent on calculated thickness vs overall weight

Diameter range: from 2" to 120" (50.8mm - 3048mm)

Length: 54' (16.5 m) or longer, determined by over the road permits

Maximum weight: 40000 lbs. (18100 kg), determined by crane

Materials: carbon steel, stainless steel & aluminum built in multiple piece configurations. Multi-chamber capable.

Painting: powder paint, water based, high solids paints or epoxy paints. Available in flat and glosses, a wide selection of colors are available. Special coatings are available through a subcontractor.

- Equipped with in-house x-ray testing and stress relieving ovens.
- State-of-the-art CNC laser, plasma and punching machines.
- Special machining capabilities.
- Pneumatic testing used for tanks up to 36" (914.4mm) diameter or 93" (2362.2mm) long.
- Hydro testing available for pressures up to 5000 psi (34.48 MPa)
- Standard chemical cylinders made: propane, clean agent fire suppressants & refrigerants.
- Custom chemical cylinders are available (contact Manchester Tank for additional engineering information and pricing).
- Standard industrial tanks: compressed air, vacuum, oil, propane, portable chemical, bladder, air separators, air drying and gas compression.
- Custom industrial tanks are available (contact Manchester Tank for additional engineering information and pricing).

Save Money with Our Reusable Tanks & Cylinders

Now you can not only safely transport or store hazardous materials, these rugged packages are built for re-use, so you no longer have to dispose of your investment.



Custom tank shipments originate from the plant of manufacture.

Mission Statement

Manchester Tank is the leading manufacturer of pressure vessels for propane, air, and industrial application in North America and Australia.

Our mission is to retain our premier position by continuously improving our products and service level to meet and exceed the expectations of our customers. Customer satisfaction is central to our existence. Our employees will accomplish this by functioning as a team and becoming involved. We will continuously invest in operations and improve processes.

We will function with a high degree of integrity and provide a reasonable return for our owners.



Franklin, TN • 800-877-8265
www.mantank.com
sales@mantank.com

Catalog No. 49035 01/08