

V.E. Enterprises Frac Tank Construction versus the Competition

General Construction Specs

- Assembled by American Society of Mechanical Engineers (ASME) certified welders. V.E. holds both the ASME U and R stamps.
- Assembled with grade A-36, American Society for Testing and Materials (ASTM) carbon steel, ¼” unless otherwise specified
- Front and side manways are 22” across and built exclusively by V.E. Enterprises, are sealed with a Buna-N (synthetic) gasket.

Walls

- All (corrugated) walls are stamped on-site with one of the largest presses in the Southwest US, creating a 4” deep well U-shaped corrugation that is structurally stronger than any other in the industry.



Competitor walls, shallow V-shaped corrugations



V.E. walls, 4” deep U-shaped corrugations stamped on site

- All wall sections are assembled using a robotic ‘sub-arc’ welder with 100% seam penetration.



V.E. submerged arc weld utilized on all barrel and wall sections; 100% seam penetration

Floors

- All floor supports are made from heavy wall tubing, not C-channel. Outside supports (rails) are 6” x 12” tubing, inside are 4” x 10” tubing. Tubing minimizes floor flexing and creates a broader footprint when the tank is placed on the ground.

- All floors are “V” shaped for more efficient drainage; low point rear drains (4”) are standard on all tanks unless otherwise noted.



V.E. floor structure: heavy wall tubing rails, maximum bracing, conduit / wiring harness

Competitor floor structure: c-channel rails, minimal bracing, no wiring harness or conduit

- Unlike our competition, all V.E. tanks come with full front wall to nose bracing, providing additional rigidity in moving the tanks from site to site.



V.E. front wall to nose bar bracing, standard on all storage tanks

Quality

- V.E. Enterprises tanks must pass seven (7) major in-process quality checks prior to the final (atmospheric) hydro testing.
- V.E. Enterprises tanks pass a rigorous sixty (60) point final inspection before delivery to customers.

Finishing

- All tanks are prepared for paint and coating with a steel-shot blast, creating a 2.5 mil anchor profile, recommended by most coating and paint manufacturers.
- All epoxy lined tanks are finished with Carboline Plasite 4500, one of the highest performing liners on the market. It meets ASI 61 drinking water specifications yet is one of the most chemically resistant of any comparable liners.
- All tanks / trailers are painted with DuPont Imron 3.5 HG direct-to-metal (DTM) paint. In repeated testing, DuPont DTM has proven to be one of the most scratch resistant, durable paints that maintains its high gloss finish for years without fading.



DuPont Imron 3.5 HG DTM industrial paint finishes are standard on all tanks and trailers

Customer Service

- V.E. stands behind its products with one of the strongest customer service programs in the business, including responsiveness to problems, continuous product improvements and follow through after the sale.
- All products are sold with a one-year manufacturers warranty with options to complete warranty work through national dealers, V.E.'s plant or local welding shops.