

## **V.E. Enterprises Vacuum Trailer 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
- All top manways and rear cleanouts are 20” with wing-style nuts, are sealed with a Buna-N (synthetic) gasket.

### Barrel

- All barrel sections are welded robotically with a submerged arc (sub-arc) welder, providing 100% seam penetration. Tear tests have proven that the surrounding steel is more likely to give than the weld itself. This compares to the competition that welds the inner / outer portions of the seam to join metal (walls or barrel) sections together.
- V.E. is one of the only manufacturers to use 4” channel rings as opposed to weaker straps used by the competition.



### Hose Troughs / Fenders / Toolboxes

- V.E. provides for full length, four (4) hose wide hose troughs with fenders incorporated in the rear.
- All V.E. trailers come with built in tool boxes on both passenger and driver sides.



### Walkway / Handrails

- V.E. offers full length walkways with both the traditional side entry and a rear entry that is one of the most 'user-friendly' in the business.



### Additional Features & Benefits

- All items welded to the barrel are padded with ¼" plating, providing a full ½" thick layer of A-36 carbon steel for any appendages.
- The barrel is fully gusseted to the frame at the rear of the trailer, minimizing flex between the barrel and frame.
- The rear blow down does not contain any victaulic clamps, minimizing leaks from the secondary scrubber to the rear vent.
- The sump design is a wedge, allowing easier filling and cleaning than box-shaped sumps often offered by the competition
- In addition to DOT compliant lighting, braking and reflective tape, V.E. Enterprises is one of the few manufacturers to follow the federal 'wheels back' bumper standard on all tanks and trailers



### 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.



### 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.