

PRESSURE VESSEL SYSTEMS

Code and Non-Code Pressure Vessel Design and Fabrication

Re:Build Optimization offers complete engineering, fabrication, and integration solutions for pressure vessel system projects. Our ASME U & R Stamp Certified shop and engineering team brings decades of experience to designing, fabricating, and repairing pressure vessels. Typical use cases include storage tanks, process reactors, and heat exchangers. Our commitment to safety, quality, and efficiency, paired with our experience and certified processes, provides assurance that we can solve your pressure vessel challenges.

LOCATIONS:

- 📍 50 High Tech Drive
Rush, NY 14543
- 📍 1600 Lexington Avenue
Suite 104
Rochester, NY 14606

CONTACT:

info@rebuildmanufacturing.com
(585) 321-2300





Capabilities

▪ Material Types

- Steels: carbon, carbon alloy, stainless, duplex stainless (P1-P16)
- Nickel Alloys: Inconel, Hastelloy, etc. (P41-P47)

▪ Physical Size and Wall Thickness

- Maximum Size: 6' diameter, 12' long
- Maximum Wall Thickness: 1.5"

▪ Operating Pressure and Temperature

- Typical maximum pressure: 3,000PSIG
- Ability for >3,000PSIG with code exceptions
- Minimum design temperature: -320F°

▪ Typical Fluids

- Nitrogen, helium, hydrogen, oxygen, carbon dioxide, methane, methanol, water, compressed air, chemical waste

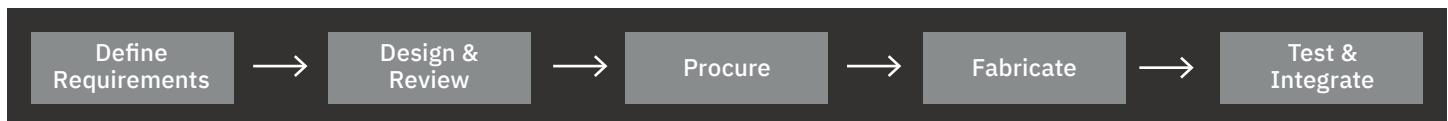
▪ Standards and Testing

- ASME BPVC Section VIII, Div I
- Local, City, and/or State Codes and Standards
- Hydrostatic and pneumatic testing, penetrant dye testing, helium leak detection

INDUSTRIES SERVED:

- Hydrogen & Alternative Fuels
- Industrial Chemicals
- Agrochemicals
- Pharmaceutical & Biotechnology
- Food & Beverage
- Industrial Products

Our Process



Key Differentiators

Recognized Expertise

- ASME U1 & R Stamps
- Internal NDT & Local DT/NDT Partners
- Integration of pressure vessels into new and existing process systems
- Customized installation of internal components for batch/process reactors

Safety Focused

- Engineers specializing in hazardous area classification, material selection, and conformity with local codes
- Industry leading safety record

Rapid Delivery

- Leverage local material partners and dedicated internal resources for quick delivery
- On-site installation
- Rapid response repairs