

UCS has ASME Code Pressure Vessel Design and Fabrication

UCS is pleased to offer ASME Section VIII Div. 1 Code designed and stamped vessels. Let us build your next pressure vessel, we are confident you will be pleased with the result! Send us your design data or sketch and we can provide a fully compliant ASME pressure vessel complete with Code calculations, drawings and full documentation. We use Codeware COMPRESS® pressure vessel design software and provide AutoCAD® drawings. We are centrally located in Tulsa, OK so it's easy to ship anywhere in North America.

UCS has both "U" and "S" certification from the American Society of Mechanical Engineers (ASME). This allows us to design and fabricate ASME Code Section VIII, Division 1 pressure vessels and power boilers. We have an "R" certification from the National Board of Boiler and Pressure Vessel Inspectors so we are qualified to provide repairs and modifications to existing pressure vessels. UCS is also certified for B31.1 and B31.3 piping so we can provide your piping systems too.

We work with carbon steels, stainless steels and various alloys, from thin wall up to 2.5" thick. We have welders qualified for multiple welding processes including SMAW, GMAW, FCAW, GTAW and submerged arc. Our Quality Control Inspectors ensure complete QC records are generated for all phases of the job, from Mill Test Reports (MTRs) for the raw materials to weld maps, Non-Destructive Examinations (NDE) and hydro-tests. Our QC department stays current on the latest testing techniques and equipment.

Your job gets a project manager (PM) who is responsible for all aspects of the work. The PM is your single point contact and makes sure the equipment is designed and fabricated to meet your technical and schedule requirements. Our drawing approval process lets you be confident that we build exactly what you want. Our project managers track your job from start to finish and ensure it meets all of your specifications AND your schedule.

All fabrication is done in our new 50,000 ft² facility in southwest Tulsa. We have 4 bays, multiple 25 ton (and smaller) cranes and a 30 ft hook height. Our qualified welders are proud craftsmen and produce excellent work. We can design and build your large diameter vessels as well as your smaller ones, from high pressure to full vacuum. Whether you need a vertical tower, horizontal bullet, filter, separator, adsorbent vessel or piping system, we can build it for you. We also have blast and paint facilities to provide internal and external coatings so the vessel is ready for installation when it leaves our plant.

When you need a pressure vessel, UCS can deliver!