















FEDA, Inc.
1000 S. 10th St.
Tulsa, OK 74106
Phone: (918) 438-1234
Fax: (918) 438-1235
Email: sales@feda.com
Website: www.feda.com











PRESSURISED VESSELS:

Pressure vessel/reactor vessel is a closed container designed to hold liquids, solids, gases, or a combination of either of the three phases at a pressure substantially different from the ambient pressure. Pressure vessels can theoretically be almost any shape, but shapes made of sections of spheres, cylinders, and cones are usually employed. A common design is a cylinder with end caps called heads. Head shapes are frequently either hemispherical or dished (torispherical). More complicated shapes have historically been much harder to analyze for safe operation and are usually far more difficult to construct. Reactors/pressure vessels may have different combinations based on the application they are being used. Some may have jackets, some will have limpets with simple inlet and outlet, and some will have limpets with multiple inlets and outlets, sometimes with internal coils and sometimes with a combination of jacket/limpet and internal coil.

Our capability extends to the design and manufacturing of various types of pressure vessels custom made for a wide range of applications. Our product range includes air receivers, surge tanks, accumulators, blowdown tanks, flash tanks, expansion tanks, pressure vessels, condensate pots and more.

Years of expertise and skills have enabled our company to reach new heights of success in the markets of pressure vessels. We have been catering to the demands of vessels in varied industries for different applications. We can offer these vessels in a variety of material of construction like CS, SS304, SS316, low-alloy steel and non-ferrous metals etc. We have the capability and experience of handling a variety of MOCs and accordingly, we have qualified necessary WPS, PQR. Steel is purchased directly from renowned manufacturers to ensure reliability. For small quantities and quicker deliveries, we also purchase steel from our reliable and well-established traders and stockiest, who can deliver plates of approved and recognised steel manufacturers, in a wide range of thickness with a minimum lead time.

Technical Superiority:

- Qualified workmen to handle a variety of MOCs
- Equipped to perform TIG, MIG welding processes
- Established WPS, PQR for material combinations
- Capability to handle complex design vessels
- Customized designs to suit specific requirements
- Consultants & Inspection Agencies worked with are Engineers India Limited, Lloyd's Register Asia, DNV, BVIS, BHEL, NTPC, TOYO ENGG., TUV, PDIL, JACOB H&G, SGS, UDHE, Foster Wheeler, Tata Projects, DVCL, etc.

REACTOR VESSELS:

- The reactor vessels designs have to strictly comply with its applicable design codes. Experienced for over 3 decades now, we have been recognized as a leading manufacturer of high-quality reactors vessels. We have designed and manufactured reactor tanks with high design complexities involving special material of constructions.
- Backed by a team of creative and skilled professionals, we are gainfully engaged in offering Chemical Reactors that use several coils to deliver the heat transfer fluid. Our offered range of reactors is developed using the top grade material and modern technology in adherence with the set standard of the industry. Additionally, the offered reactor is completely tested by quality controllers to dispatch a flawless range to the customer's end.

Fluid to Fluid Reactors

Liquids are usually not miscible and the transport of reactants can determine the specific reaction rate. Liquid-liquid reactors need spreading of one of the liquid phases to provide sufficient interfacial area for mass transfer. This can be achieved through the use of mixers. In a stirred tank, either liquid can be made continuous by charging that liquid first, starting the agitator, and introducing the liquid to be dispersed. Liquid-Liquid reactor with combined fluid contactor and heat exchanger with large cooled specific wall surfaces for fast and therefore highly exothermic reactions, suited for single- and two-phase systems.

Gas-Fluid Reactors

Gas-Liquid Reactors are well equipped with highly efficient impellers and overall agitators for gas-liquid reactions in forceful services. It is available in a variety of materials such as stainless, low alloy, duplex/super duplex, carbon steels, superalloys such as Inconel, nickel, copper, aluminium bronze, aluminium and titanium.

Solid-Liquid Reactors

We are one of the leading manufacturer and supplier of Solid-Liquid Reactor. These reactors are precisely engineered and are widely used in various industrial units. The Solid-Liquid Reactor offered by us is largely preferred by our esteemed clients. We also offer customized Solid-Liquid Reactor as per the necessities of our clients. Our range of Solid-Liquid Reactor is manufactured using high-quality raw material in compliance with international quality standards.

Vacuum Reactors

The turbulent action of the Vacuum Reactors agitator creates high particle transport ideal for adding liquids, coating, chemical reactions or granulating.

