

Fuel Tanks for Forklift

Forklift Fuel Tanks - The majority of fuel tanks are built; nevertheless several fuel tanks are made by expert craftspeople. Restored tanks or custom tanks can be used on aircraft, automotive, tractors and motorcycles.

There are a series of specific requirements to be followed when making fuel tanks. Typically, the craftsman sets up a mockup so as to know the precise shape and size of the tank. This is often done from foam board. Then, design concerns are addressed, consisting of where the drain, outlet, seams, baffles and fluid level indicator will go. The craftsman has to determine the alloy, temper and thickness of the metallic sheet he will make use of to be able to make the tank. When the metal sheet is cut into the shapes needed, lots of parts are bent to be able to create the basic shell and or the baffles and ends for the fuel tank.

A lot of baffles in racecars and aircraft have "lightening" holes. These flanged holes have two purposes. They reduce the weight of the tank while adding weight to the baffles. Openings are added toward the ends of construction for the fuel pickup, the filler neck, the fluid-level sending unit and the drain. At times these holes are added when the fabrication method is done, other times they are made on the flat shell.

After that, the ends and baffles could be riveted into place. The rivet heads are frequently brazed or soldered in order to avoid tank leaks. Ends can afterward be hemmed in and flanged and sealed, or brazed, or soldered making use of an epoxy type of sealant, or the ends can also be flanged and afterward welded. After the brazing, welding and soldering has been finished, the fuel tank is checked for leaks.