Forklift Fuel Systems

Forklift Fuel System - The fuel systems task is to supply your engine with the diesel or gasoline it needs so as to function. If any of the fuel system parts breaks down, your engine would not function properly. There are the main parts of the fuel system listed below:

Fuel Tank: The fuel tank is a holding cell intended for your fuel. When filling up at a gas station, the fuel travels downward the gas hose and into your tank. Within the tank there is a sending unit. This is what tells the gas gauge how much gas is within the tank.

Fuel Pump: In newer cars, the majority contain fuel pumps typically positioned inside the fuel tank. Several of the older automobiles would connect the fuel pump to the engine or located on the frame next to the tank and engine. If the pump is on the frame rail or inside the tank, therefore it is electric and works with electricity from your cars' battery, whereas fuel pumps which are connected to the engine use the motion of the engine in order to pump the fuel.

Fuel Filter: Clean fuel is vital for engine performance and overall engine life. Fuel injectors have tiny openings that can clog very easily. Filtering the fuel is the only way this can be avoided. Filters could be found either before or after the fuel pump and in various instances both places.

Fuel Injectors: Most domestic cars after the year 1986, together with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to carry out the job of mixing the air and the fuel, a computer controls when the fuel injectors open so as to allow fuel into the engine. This has caused lower emission overall and better fuel economy. The fuel injector is basically a tiny electric valve which closes and opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in small particles, and could burn better when ignited by the spark plug.

Carburetors: Carburetor work to mix the fuel with the air without whatever computer involvement. These devices are fairly easy to work but do require frequent rebuilding and retuning. This is one of the main reasons the newer vehicles on the market have done away with carburetors instead of fuel injection.