

Steering Valve for Forklift

Forklift Steering Valve - A valve is a device which regulates the flow of a fluid like fluidized gases or regular gases, liquids, slurries, by opening, closing or partially obstructing some passageways. Valves are generally pipe fittings but are usually discussed as a separate category. In instances where an open valve is concerned, fluid flows in a direction from higher to lower pressure.

Various applications like for example industrial, residential, transport, commercial and military industries use valves. Some of the major industries that rely on valves include the oil and gas sector, mining, chemical manufacturing, power generation, water reticulation and sewerage.

In every day activities, the most popular valves are plumbing valves as seen since it taps for tap water. Various popular examples comprise small valves fitted to dishwashers and washing machines, gas control valves on cookers, valves inside car engines and safety devices fitted to hot water systems. In nature, veins inside the human body act as valves and control the blood flow. Heart valves also regulate the flow of blood in the chambers of the heart and maintain the right pumping action.

Valves can be used and worked in several ways that they could be worked by a handle, a pedal or a lever. In addition, valves could be driven automatically or by changes in temperature, pressure or flow. These changes could act upon a diaphragm or a piston which in turn activates the valve. Various popular examples of this particular type of valve are found on boilers or safety valves fitted to hot water systems.

Valves are utilized in numerous complex control systems which can need an automatic control which is based on external input. Controlling the flow through the pipe to a changing set point is an example. These situations usually require an actuator. An actuator would stroke the valve depending on its set-up and input, allowing the valve to be positioned precisely while enabling control over several requirements.