Steering Valve for Forklifts

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

Valves are used in many applications like for instance commercial, military, industrial, residential and transport industries. A few of the main industries which depend on valves comprise the mining, chemical manufacturing, power generation, water reticulation, sewerage and oil and gas sector.

Most valves being utilized in day to day activities are plumbing valves, that are used in taps for tap water. Various popular valves comprise those 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 in the human body act as valves and control the blood circulation. Heart valves likewise regulate the circulation of blood in the chambers of the heart and maintain the right pumping action.

Valves can be used and worked in a lot of ways that they could be operated by a handle, a pedal or a lever. Additionally, valves could be operated 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 kind of valve are found on boilers or safety valves fitted to hot water systems.

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