Steering Valve for Forklift

Steering Valves for Forklift - A valve is a device that regulates the flow of a fluid like for example slurries, fluidized gases or regular gases, liquids, by closing, partially obstructing or opening some passageways. Valves are usually pipe fittings but are typically 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 such as commercial, military, industrial, residential and transport industries. Some of the major trades which depend on valves include 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, which are utilized in taps for tap water. Other common valves comprise ones 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 even control the circulation of blood in the chambers of the heart and maintain the proper pumping action.

Valves can be used and worked in lots of ways that they can be operated by a handle, a pedal or a lever. Moreover, valves could be operated automatically or by changes in flow, temperature or pressure. These changes can act upon a piston or a diaphragm which in turn activates the valve. Various common examples of this particular kind of valve are seen on boilers or safety valves fitted to hot water systems.

There are more complicated control systems making use of valves which need automatic control which is based on external input. Like for example, controlling flow through a pipe to a changing set point. These situations usually need an actuator. An actuator will stroke the valve depending on its input and set-up, allowing the valve to be places precisely while enabling control over various requirements.