Forklift Steering Valves

Forklift Steering Valve - A valve is a device that regulates the flow of a fluid such as fluidized gases or regular gases, liquids, slurries, by partially obstructing, opening or closing certain passageways. Valves are normally 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 utilized in numerous applications like transport, commercial, military, industrial and residential trades. Some of the main trades that depend on valves include the sewerage, oil and gas sectors, mining, chemical manufacturing, power generation and water reticulation.

Most valves being used in day to day activities are plumbing valves, which are used in taps for tap water. Several common valves consist of ones fitted to washing machines and dishwashers, gas control valves on cookers, valves in car engines and safety devices fitted to hot water systems. In nature, veins in the human body act as valves and regulate the blood circulation. Heart valves even control the circulation of blood in the chambers of the heart and maintain the right pumping action.

Valves could be operated in several ways. For instance, they can be operated either by a lever, a handle or a pedal. Valves could be driven by changes in temperature, pressure or flow or they could be automatic. These changes can act upon a piston or a diaphragm 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.

There are more complicated control systems making use of valves that need automatic control which is based on external input. Like for instance, regulating flow through a pipe to a changing set point. These circumstances usually require an actuator. An actuator would stroke the valve depending on its set-up and input, allowing the valve to be situated accurately while enabling control over several requirements.