Forklift Steering Valve

Forklift Steering Valve - A valve is a device which regulates the flow of a fluid like for instance liquids, slurries, fluidized gases or regular gases, by opening, closing or partially obstructing certain passageways. Valves are normally 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.

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

Most valves being used in day to day activities are plumbing valves, that are utilized in taps for tap water. Other popular valves consist of kinds fitted to dishwashers and washing machines, gas control valves on cookers, valves within car engines and safety devices fitted to hot water systems. In nature, veins inside the human body act as valves and control the blood circulation. Heart valves even control the flow of blood in the chambers of the heart and maintain the proper pumping action.

Valves can be operated in various ways. For example, they can be worked either by a pedal, a lever or a handle. Valves can be driven by changes in temperature, pressure or flow or they could be automatic. These changes can act upon a diaphragm or a piston which in turn activates the valve. Several popular examples of this particular type of valve are found on boilers or safety valves fitted to hot water systems.

There are more complex control systems using valves which require automatic control that is based on external input. Like for instance, controlling flow through a pipe to a changing set point. These situations usually need an actuator. An actuator would stroke the valve depending on its input and set-up, that allows the valve to be places accurately while enabling control over different requirements.