Steering Valve for Forklifts

Forklift Steering Valve - A valve is a device which controls the flow of a fluid like fluidized gases or regular gases, liquids, slurries, by partially obstructing, opening or closing some passageways. Valves are generally 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 military, industrial, residential, transport and commercial businesses. Some of the major trades that rely on valves consist of 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. Several popular valves consist of those fitted to dishwashers and washing machines, gas control valves on cookers, valves in car engines and safety devices fitted to hot water systems. In nature, veins within the human body act as valves and control the blood flow. Heart valves even regulate the circulation of blood in the chambers of the heart and maintain the right pumping action.

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

Valves are utilized in many complicated control systems which could require an automatic control that is based on external input. Controlling the flow through the pipe to a changing set point is an example. These situations normally need an actuator. An actuator would stroke the valve depending on its input and set-up, that enables the valve to be places accurately while enabling control over several needs.