Steering Valves for Forklift

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 closing, partially obstructing or opening particular passageways. Valves are generally 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.

Numerous applications such as industrial, residential, transport, commercial and military trades use valves. Some of the major industries that rely on valves consist of the power generation, water reticulation, sewerage, oil and gas sector, mining and chemical manufacturing.

Most valves being utilized in day to day activities are plumbing valves, that are utilized in taps for tap water. Other popular valves comprise types 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 in the human body act as valves and regulate 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 worked in various ways. For instance, they could be worked 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 may act upon a piston or a diaphragm 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 which is based on external input. For example, controlling flow through a pipe to a changing set point. These circumstances normally require an actuator. An actuator will stroke the valve depending on its input and set-up, which allows the valve to be situated accurately while allowing control over different needs.