Steering Valve for Forklift

Steering Valve for Forklifts - A valve is a device which controls the flow of a fluid like for example liquids, slurries, fluidized gases or regular gases, by closing, partially obstructing or opening particular passageways. Valves are normally pipe fittings but are typically discussed as a separate category. In instances where an open valve is concerned, fluid flows in a direction from higher to lower pressure.

Many applications like military, industrial, residential, transport and commercial trades make use of valves. Some of the major industries that rely on valves comprise the oil and gas sector, mining, chemical manufacturing, power generation, water reticulation and sewerage.

Most valves being used in daily activities are plumbing valves, which are utilized in taps for tap water. Other common valves consist of ones 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 control the blood circulation. Heart valves also control the flow of blood in the chambers of the heart and maintain the right pumping action.

Valves can be operated in several ways. For instance, they could be worked either by a pedal, a lever or a handle. Valves could be driven by changes in flow, temperature or pressure or they could be automatic. These changes may 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 safety valves or boilers fitted to hot water systems.

There are more complicated control systems utilizing valves which require automatic control that is based on external input. Like for instance, regulating flow through a pipe to a changing set point. These circumstances generally require an actuator. An actuator will stroke the valve depending on its input and set-up, which enables the valve to be positioned accurately while enabling control over different needs.