Steering Valve for Forklift

Steering Valve for Forklifts - A valve is a device that controls the flow of a fluid such as slurries, fluidized gases or regular gases, liquids, by closing, partially obstructing or opening certain passageways. Valves are usually 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 used in numerous applications like for instance commercial, military, industrial, residential and transport industries. Some of the major industries which depend on valves consist of the chemical manufacturing, power generation, water reticulation, sewerage, oil and gas sector and mining.

In every day activities, the most popular valves are plumbing valves as seen as it taps for tap water. Other common examples include small valves 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 inside the human body act as valves and control the blood flow. Heart valves also regulate the circulation of blood in the chambers of the heart and maintain the right pumping action.

Valves could be operated in various ways. For instance, they can be worked either by a lever, a handle or a pedal. Valves can 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. Several popular examples of this kind of valve are seen on boilers or safety valves fitted to hot water systems.

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