Steering Valves for Forklift

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

Numerous applications like for example military, industrial, residential, transport and commercial industries make use of valves. A few of the major industries which depend on valves include the sewerage, oil and gas sectors, mining, chemical manufacturing, power generation and water reticulation.

In day to day activities, the most popular valves are plumbing valves as seen because it taps for tap water. Other common examples consist of small valves fitted to washing machines and dishwashers, gas control valves on cookers, valves inside car engines and safety devices fitted to hot water systems. In nature, veins in the human body act as valves and control the blood flow. Heart valves likewise regulate 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 operated either by a pedal, a lever or a handle. Valves can be driven by changes in flow, temperature or pressure or they can be automatic. These changes may act upon a piston or a diaphragm which in turn activates the valve. Various popular examples of this kind of valve are seen on safety valves or boilers fitted to hot water systems.

There are more complex control systems using valves that need automatic control which is based on external input. For example, regulating flow through a pipe to a changing set point. These circumstances usually require an actuator. An actuator will stroke the valve depending on its input and set-up, that allows the valve to be positioned accurately while enabling control over a variety of requirements.