Steering Valve for Forklifts

Forklift Steering Valve - A valve is a device that regulates the flow of a fluid like for instance slurries, fluidized gases or regular gases, liquids, by opening, closing or partially obstructing 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 military, industrial, residential, transport and commercial trades utilize valves. Some of the major industries that depend on valves consist of the water reticulation, sewerage, oil and gas sector, mining, chemical manufacturing and power generation.

Most valves being utilized in day to day activities are plumbing valves, that are utilized in taps for tap water. Other common valves comprise ones fitted to washing machines and dishwashers, gas control valves on cookers, valves within car engines and safety devices fitted to hot water systems. In nature, veins in the human body act as valves and regulate the blood flow. Heart valves also control the circulation of blood in the chambers of the heart and maintain the right pumping action.

Valves could be utilized and operated in many ways that they could be worked by a handle, a pedal or a lever. Additionally, valves can be operated automatically or by changes in flow, temperature or pressure. These changes could 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.

Valves are used in a lot of complex control systems that may require an automatic control that is based on external input. Regulating the flow through the pipe to a changing set point is one example. These circumstances normally need an actuator. An actuator will stroke the valve depending on its input and set-up, allowing the valve to be places accurately while enabling control over a variety of needs.