Forklift Steering Valve

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

Various applications such as commercial, military, industrial, residential and transport trades use valves. A few of the main businesses that rely on valves consist of the oil and gas sector, mining, chemical manufacturing, power generation, water reticulation and sewerage.

Most valves being used in everyday activities are plumbing valves, which are used in taps for tap water. Various common valves comprise types 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 within 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 can be operated in several ways. Like for instance, they could be operated either by a handle, a pedal or a lever. Valves could be driven by changes in temperature, pressure or flow or they could be automatic. These changes may act upon a diaphragm or a piston 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 that need automatic control which is based on external input. For instance, regulating flow through a pipe to a changing set point. These circumstances generally need an actuator. An actuator will stroke the valve depending on its set-up and input, allowing the valve to be situated accurately while enabling control over several needs.