

Forklift Steering Valve

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

Various applications like for instance transport, commercial, military, industrial and residential trades make use of valves. Some of the major trades which rely 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, which are used in taps for tap water. Several popular valves consist of those 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 inside 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 can be utilized and operated in various ways that they can be worked by a handle, a pedal or a lever. Moreover, valves can be worked automatically or by changes in pressure, flow or temperature. These changes could act upon a piston or a diaphragm which in turn activates the valve. Some common examples of this type of valve are found on safety valves or boilers fitted to hot water systems.

There are more complex control systems making use of valves that require automatic control which is based on external input. For instance, controlling flow through a pipe to a changing set point. These situations normally need an actuator. An actuator would stroke the valve depending on its set-up and input, allowing the valve to be situated precisely while enabling control over a variety of requirements.