

Steering Valve for Forklifts

Forklift Steering Valve - A valve is a device that controls the flow of a fluid like slurries, fluidized gases or regular gases, liquids, 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.

Valves are used in various applications like for example transport, commercial, military, industrial and residential trades. A few of the main industries which depend on valves include the mining, chemical manufacturing, power generation, water reticulation, sewerage and oil and gas sector.

Most valves being utilized in daily activities are plumbing valves, that are used in taps for tap water. Several popular valves consist of 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 inside the human body act as valves and regulate the blood circulation. Heart valves also control the flow of blood in the chambers of the heart and maintain the proper pumping action.

Valves could be utilized and operated in a lot of ways that they could be worked by a lever, a handle or a pedal. Moreover, valves can be operated automatically or by changes in temperature, pressure or flow. These changes could act upon a piston or a diaphragm which in turn activates the valve. Various common examples of this kind of valve are seen on safety valves or boilers fitted to hot water systems.

Valves are utilized in lots of complex control systems that could need an automatic control which is based on external input. Regulating the flow through the pipe to a changing set point is an example. These situations usually require an actuator. An actuator would stroke the valve depending on its input and set-up, allowing the valve to be positioned precisely while allowing control over several needs.