

Steering Valve for Forklifts

Forklift Steering Valve - A valve is a device that regulates the flow of a fluid like for instance fluidized gases or regular gases, liquids, slurries, by closing, partially obstructing or opening some passageways. Valves are usually 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.

Valves are utilized in numerous applications like for instance industrial, residential, transport, commercial and military industries. Some of the major businesses which rely on valves include the mining, chemical manufacturing, power generation, water reticulation, sewerage and oil and gas sector.

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

Valves could be utilized and operated in lots of ways that they can be operated by a pedal, a lever or a handle. In addition, valves can be driven automatically or by changes in temperature, pressure or flow. These changes may act upon a diaphragm or a piston which in turn activates the valve. Several popular examples of this particular type of valve are seen on boilers or safety valves fitted to hot water systems.

Valves are used in various complicated control systems which could need an automatic control that is based on external input. Regulating the flow through the pipe to a changing set point is an example. These circumstances normally require an actuator. An actuator will stroke the valve depending on its input and set-up, allowing the valve to be positioned accurately while enabling control over different requirements.