

Steering Valve for Forklift

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

Valves are used in many applications such as industrial, residential, transport, commercial and military trades. A few of the major trades which depend on valves comprise the sewerage, oil and gas sectors, mining, chemical manufacturing, power generation and water reticulation.

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

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

Valves are utilized in numerous complex control systems that could require an automatic control which is based on external input. Regulating the flow through the pipe to a changing set point is an example. These circumstances generally need an actuator. An actuator will stroke the valve depending on its set-up and input, that enables the valve to be situated accurately while enabling control over several needs.