

Steering Valve for Forklifts

Forklift Steering Valve - Valves aid to regulate the flow of a fluids like liquids, slurries, fluidized gases or regular gases by closing, partially obstructing or even by opening certain passageways. Typical valves are pipe fittings but are 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 like for example commercial, military, industrial, residential and transport industries. Some of the main trades which depend on valves consist of the power generation, water reticulation, sewerage, oil and gas sector, mining and chemical manufacturing.

Most valves being used in everyday activities are plumbing valves, which are utilized in taps for tap water. Several common valves include 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 also control the flow of blood in the chambers of the heart and maintain the right pumping action.

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

Valves are used in several complex control systems which can require an automatic control that is based on external input. Controlling the flow through the pipe to a changing set point is an example. These situations 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 a variety of requirements.