

Steering Valve for Forklifts

Steering Valve for Forklift - Valves aid to control the flow of a fluids such as 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 situations where an open valve is concerned, fluid flows in a direction from higher to lower pressure.

Valves are utilized in many applications such as military, industrial, residential, transport and commercial businesses. Some of the main industries which depend on valves consist of the sewerage, oil and gas sectors, mining, chemical manufacturing, power generation and water reticulation.

In day to day activities, the most common valves are plumbing valves as seen since it taps for tap water. Various popular examples include small valves 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 control the blood circulation. Heart valves even control the circulation of blood in the chambers of the heart and maintain the proper pumping action.

Valves can be used and worked in lots of ways that they could 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 diaphragm or a piston which in turn activates the valve. Various popular examples of this kind of valve are seen on boilers or safety valves fitted to hot water systems.

Valves are used in several complicated control systems that can require an automatic control which is based on external input. Controlling the flow through the pipe to a changing set point is an example. These situations usually require an actuator. An actuator will stroke the valve depending on its set-up and input, allowing the valve to be positioned precisely while enabling control over a variety of needs.