

Steering Valve for Forklift

Steering Valves for Forklift - Valves help to control the flow of a fluids like for instance slurries, fluidized gases or regular gases, liquids by partially obstructing, opening or even by closing 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.

Numerous applications like for instance residential, transport, commercial, military and industrial trades make use of valves. A few of the main industries which depend on valves include the oil and gas sector, mining, chemical manufacturing, power generation, water reticulation and sewerage.

Most valves being used in daily activities are plumbing valves, that are used in taps for tap water. Other common valves consist of types fitted to dishwashers and washing machines, 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 control the blood circulation. Heart valves even regulate the flow of blood in the chambers of the heart and maintain the right pumping action.

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

There are more complicated control systems making use of valves which require automatic control that is based on external input. Like for instance, regulating flow through a pipe to a changing set point. These situations generally require an actuator. An actuator would stroke the valve depending on its set-up and input, which allows the valve to be positioned precisely while enabling control over various requirements.