

Steering Valve for Forklifts

Steering Valve for Forklifts - Valves assist to control the flow of a fluids like for example slurries, fluidized gases or regular gases, liquids by opening and closing or even by partially obstructing 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 numerous applications such as transport, commercial, military, industrial and residential trades. A few of the major businesses which rely on valves include the oil and gas sector, mining, chemical manufacturing, power generation, water reticulation and sewerage.

Most valves being utilized in everyday activities are plumbing valves, which are used in taps for tap water. Several popular valves comprise 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 in the human body act as valves and regulate the blood flow. Heart valves also control the flow of blood in the chambers of the heart and maintain the right pumping action.

Valves could be worked in several ways. For instance, they can be operated either by a lever, a handle or a pedal. Valves can be driven by changes in flow, temperature or pressure or they could be automatic. These changes may act upon a diaphragm or a piston which in turn activates the valve. Several common examples of this kind of valve are seen on safety valves or boilers fitted to hot water systems.

There are more complex control systems utilizing valves which need automatic control that is based on external input. Like for instance, regulating flow through a pipe to a changing set point. These situations usually require an actuator. An actuator will stroke the valve depending on its set-up and input, allowing the valve to be situated accurately while allowing control over a variety of needs.