

Steering Valves for Forklift

Forklift Steering Valve - Valves help to control the flow of a fluids such as liquids, slurries, fluidized gases or regular gases by opening and closing or even by partially obstructing some passageways. Regular 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 used in numerous applications such as military, industrial, residential, transport and commercial trades. Some of the main trades that rely on valves include the sewerage, oil and gas sectors, mining, chemical manufacturing, power generation and water reticulation.

Most valves being utilized in everyday activities are plumbing valves, which are utilized in taps for tap water. Other popular valves comprise ones 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 control the blood circulation. Heart valves likewise regulate the flow of blood in the chambers of the heart and maintain the right pumping action.

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

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