

Steering Valve for Forklift

Steering Valve for Forklifts - A valve is a device that controls the flow of a fluid like fluidized gases or regular gases, liquids, slurries, by opening, closing or partially obstructing particular passageways. Valves are generally pipe fittings but are typically 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 military, industrial, residential, transport and commercial businesses. Some of the main trades that rely on valves comprise the mining, chemical manufacturing, power generation, water reticulation, sewerage and oil and gas sector.

In daily activities, the most common valves are plumbing valves as seen in view of the fact that it taps for tap water. Various common examples include small valves 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 within the human body act as valves and regulate the blood flow. Heart valves also regulate the circulation of blood in the chambers of the heart and maintain the proper pumping action.

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

Valves are used in a lot of complex control systems that could need an automatic control which is based on external input. Regulating the flow through the pipe to a changing set point is one example. These situations normally need an actuator. An actuator will stroke the valve depending on its input and set-up, that enables the valve to be positioned accurately while allowing control over different needs.