

Steering Valve for Forklifts

Forklift Steering Valve - Valves help to regulate the flow of a fluids like for instance fluidized gases or regular gases, liquids, slurries by opening and closing or even by partially obstructing some passageways. Standard valves are pipe fittings but are discussed as a separate category. In cases where an open valve is concerned, fluid flows in a direction from higher to lower pressure.

Valves are utilized in numerous applications like industrial, residential, transport, commercial and military trades. A few of the major businesses which rely on valves comprise the chemical manufacturing, power generation, water reticulation, sewerage, oil and gas sector and mining.

Most valves being used in day to day activities are plumbing valves, which are used in taps for tap water. Other common valves comprise those fitted to dishwashers and washing machines, gas control valves on cookers, valves inside car engines and safety devices fitted to hot water systems. In nature, veins within the human body act as valves and regulate the blood circulation. Heart valves even control the circulation of blood in the chambers of the heart and maintain the correct pumping action.

Valves can be operated in various ways. Like for example, they can be operated either by a pedal, a lever or a handle. Valves could be driven by changes in temperature, pressure or flow 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 type of valve are found on boilers or safety valves fitted to hot water systems.

There are more complex control systems making use of valves that need automatic control which is based on external input. For example, regulating flow through a pipe to a changing set point. These circumstances usually require an actuator. An actuator will stroke the valve depending on its set-up and input, which allows the valve to be positioned accurately while allowing control over a variety of needs.