

Steering Valve for Forklifts

Forklift Steering Valve - Valves help to control the flow of a fluids such as liquids, slurries, fluidized gases or regular gases by partially obstructing, opening or even by closing some passageways. Typical 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 many applications like for instance military, industrial, residential, transport and commercial industries. Some of the main businesses which rely on valves include the mining, chemical manufacturing, power generation, water reticulation, sewerage and oil and gas sector.

Most valves being used in daily activities are plumbing valves, that are used in taps for tap water. Various popular valves include types fitted to washing machines and dishwashers, gas control valves on cookers, valves inside car engines and safety devices fitted to hot water systems. In nature, veins in the human body act as valves and control the blood flow. Heart valves even regulate the circulation of blood in the chambers of the heart and maintain the proper pumping action.

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

There are more complicated control systems making use of valves which require automatic control which is based on external input. For example, controlling flow through a pipe to a changing set point. These circumstances generally require an actuator. An actuator would stroke the valve depending on its input and set-up, which enables the valve to be places precisely while enabling control over several requirements.