

Steering Valve for Forklifts

Steering Valve for Forklift - A valve is a device which controls the flow of a fluid like for instance slurries, fluidized gases or regular gases, liquids, by opening, closing or partially obstructing some passageways. Valves are usually pipe fittings but are typically discussed as a separate category. In situations where an open valve is concerned, fluid flows in a direction from higher to lower pressure.

Various applications such as military, industrial, residential, transport and commercial industries use valves. Some of the main industries that depend on valves consist of the mining, chemical manufacturing, power generation, water reticulation, sewerage and oil and gas sector.

Most valves being used in everyday activities are plumbing valves, which are used in taps for tap water. Various popular valves consist of 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 inside the human body act as valves and regulate the blood circulation. Heart valves likewise control the circulation of blood in the chambers of the heart and maintain the right pumping action.

Valves could be worked in several ways. Like for instance, they can be operated either by a lever, a handle or a pedal. 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. Several common examples of this type of valve are found on safety valves or boilers fitted to hot water systems.

There are more complex control systems utilizing valves that require automatic control that is based on external input. For example, regulating flow through a pipe to a changing set point. These situations generally require an actuator. An actuator will stroke the valve depending on its input and set-up, allowing the valve to be places precisely while enabling control over various needs.