

Steering Valve for Forklift

Forklift Steering Valve - A valve is a device that regulates the flow of a fluid like for instance liquids, slurries, fluidized gases or regular gases, by partially obstructing, opening or closing certain passageways. Valves are normally 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.

Many applications like for instance military, industrial, residential, transport and commercial industries use valves. A few of the main businesses that depend on valves include the water reticulation, sewerage, oil and gas sector, mining, chemical manufacturing and power generation.

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

Valves can be operated in a variety of ways. Like for example, they can be worked 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 piston or a diaphragm which in turn activates the valve. Several common examples of this particular kind of valve are found on boilers or safety valves fitted to hot water systems.

There are more complex control systems utilizing valves which need automatic control which is based on external input. For instance, controlling flow through a pipe to a changing set point. These situations usually require an actuator. An actuator will stroke the valve depending on its input and set-up, which enables the valve to be situated accurately while allowing control over different needs.