

Steering Valve for Forklifts

Forklift Steering Valve - A valve is a device that controls the flow of a fluid such as liquids, slurries, fluidized gases or regular gases, by partially obstructing, opening or closing certain passageways. Valves are usually pipe fittings but are commonly 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. Some of the main trades which depend on valves consist of the chemical manufacturing, power generation, water reticulation, sewerage, oil and gas sector and mining.

Most valves being utilized in day to day activities are plumbing valves, that are used in taps for tap water. Various common valves comprise those 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 in the human body act as valves and control the blood flow. Heart valves even regulate the flow of blood in the chambers of the heart and maintain the right pumping action.

Valves could be operated in various ways. For instance, they could be worked either by a handle, a pedal or a lever. Valves can be driven by changes in temperature, pressure or flow or they can be automatic. These changes can act upon a diaphragm or a piston which in turn activates the valve. Several common examples of this particular kind of valve are seen on safety valves or boilers fitted to hot water systems.

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