

Steering Valve for Forklifts

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

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

Most valves being utilized in everyday activities are plumbing valves, that are utilized in taps for tap water. Several common valves consist of ones fitted to dishwashers and washing machines, gas control valves on cookers, valves in 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 even regulate the circulation of blood in the chambers of the heart and maintain the right pumping action.

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

There are more complex control systems using valves which need automatic control which is based on external input. Like for example, regulating flow through a pipe to a changing set point. These situations normally require an actuator. An actuator will stroke the valve depending on its set-up and input, which enables the valve to be situated precisely while enabling control over various needs.