

Steering Valve for Forklifts

Steering Valves for Forklift - A valve is a device that regulates the flow of a fluid such as liquids, slurries, fluidized gases or regular gases, by partially obstructing, opening or closing 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.

Numerous applications like residential, transport, commercial, military and industrial trades use valves. A few of the main trades which 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, which are used in taps for tap water. Several common valves comprise kinds 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 in the human body act as valves and control the blood circulation. Heart valves also regulate the flow of blood in the chambers of the heart and maintain the correct pumping action.

Valves could be worked in a variety of ways. For instance, 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 could be automatic. These changes may act upon a diaphragm or a piston which in turn activates the valve. Some popular examples of this type of valve are found on boilers or safety valves fitted to hot water systems.

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