

Steering Valves for Forklift

Steering Valve for Forklifts - A valve is a device that controls the flow of a fluid like for example fluidized gases or regular gases, liquids, slurries, by partially obstructing, opening or closing particular 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.

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

Most valves being utilized in day to day activities are plumbing valves, that are utilized in taps for tap water. Other popular valves consist of those 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 within the human body act as valves and regulate the blood flow. Heart valves also regulate the flow of blood in the chambers of the heart and maintain the proper pumping action.

Valves could be operated in various ways. For instance, they could be worked either by a lever, a handle or a pedal. Valves could 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 particular type of valve are seen on boilers or safety valves fitted to hot water systems.

Valves are used in numerous complex control systems that could need an automatic control which is based on external input. Regulating the flow through the pipe to a changing set point is one example. These situations usually need an actuator. An actuator would stroke the valve depending on its input and set-up, allowing the valve to be situated precisely while allowing control over various needs.