

Steering Valve for Forklifts

Forklift Steering Valve - A valve is a device which regulates the flow of a fluid like liquids, slurries, fluidized gases or regular gases, by closing, partially obstructing or opening some passageways. Valves are normally pipe fittings but are usually 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 for example commercial, military, industrial, residential and transport trades use valves. Some of the main industries that depend on valves comprise the chemical manufacturing, power generation, water reticulation, sewerage, oil and gas sector and mining.

Most valves being used in everyday activities are plumbing valves, which are used in taps for tap water. Other common valves consist of types fitted to washing machines and dishwashers, 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 control the blood flow. Heart valves even control the flow of blood in the chambers of the heart and maintain the correct pumping action.

Valves can be used and operated in a lot of ways that they can be operated by a handle, a pedal or a lever. Furthermore, valves can be operated automatically or by changes in pressure, flow or temperature. 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 found on boilers or safety valves fitted to hot water systems.

There are more complicated control systems using valves that need automatic control which is based on external input. Like for example, regulating flow through a pipe to a changing set point. These circumstances generally need an actuator. An actuator would stroke the valve depending on its input and set-up, allowing the valve to be positioned accurately while enabling control over various needs.