

Steering Valves for Forklift

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

Valves are utilized in numerous applications such as military, industrial, residential, transport and commercial businesses. A few of the major businesses that rely on valves include the water reticulation, sewerage, oil and gas sector, mining, chemical manufacturing and power generation.

In daily activities, the most common valves are plumbing valves as seen in view of the fact that it taps for tap water. Various common examples consist of small valves fitted to dishwashers and washing machines, gas control valves on cookers, valves inside car engines and safety devices fitted to hot water systems. In nature, veins inside the human body act as valves and control the blood circulation. 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. Like for example, they can be operated either by a handle, a pedal or a lever. Valves can be driven by changes in pressure, flow or temperature or they can be automatic. These changes can act upon a piston or a diaphragm which in turn activates the valve. Various common examples of this kind of valve are seen on boilers or safety valves fitted to hot water systems.

There are more complex control systems making use of valves which need automatic control that is based on external input. Like for instance, controlling flow through a pipe to a changing set point. These circumstances usually need an actuator. An actuator would stroke the valve depending on its input and set-up, allowing the valve to be positioned precisely while allowing control over various needs.