

Steering Valve for Forklift

Forklift Steering Valve - Valves assist to control the flow of a fluids such as fluidized gases or regular gases, liquids, slurries by opening and closing or even by partially obstructing certain passageways. Standard valves are pipe fittings but are discussed as a separate category. In situations where an open valve is concerned, fluid flows in a direction from higher to lower pressure.

Valves are utilized in numerous applications like for instance commercial, military, industrial, residential and transport industries. A few of the main businesses that depend on valves comprise the sewerage, oil and gas sectors, mining, chemical manufacturing, power generation and water reticulation.

In day to day activities, the most popular valves are plumbing valves as seen as it taps for tap water. Other common examples include small valves 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 inside the human body act as valves and regulate the blood circulation. Heart valves also regulate the circulation of blood in the chambers of the heart and maintain the proper pumping action.

Valves could be used and operated in several ways that they could be operated by a pedal, a lever or a handle. Additionally, 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. Some popular examples of this type of valve are found on safety valves or boilers fitted to hot water systems.

There are more complicated control systems using valves which require automatic control which is based on external input. Like for instance, regulating flow through a pipe to a changing set point. These circumstances normally require an actuator. An actuator would stroke the valve depending on its input and set-up, that enables the valve to be places accurately while allowing control over a variety of requirements.