

Steering Valve for Forklifts

Forklift Steering Valves - Valves help to regulate the flow of a fluids like for instance fluidized gases or regular gases, liquids, slurries by closing, partially obstructing or even by opening some passageways. Standard valves are pipe fittings but are discussed as a separate category. In cases where an open valve is concerned, fluid flows in a direction from higher to lower pressure.

Numerous applications like for instance industrial, residential, transport, commercial and military businesses make use of valves. A few of the main trades that rely on valves consist of the water reticulation, sewerage, oil and gas sector, mining, chemical manufacturing and power generation.

Most valves being used in daily activities are plumbing valves, that are utilized in taps for tap water. Several popular valves include ones 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 circulation of blood in the chambers of the heart and maintain the right pumping action.

Valves can be worked in various ways. For example, they could be worked either by a lever, a handle or a pedal. Valves could be driven by changes in pressure, flow or temperature or they can be automatic. These changes could act upon a diaphragm or a piston which in turn activates the valve. Some popular examples of this kind of valve are found on boilers or safety valves fitted to hot water systems.

There are more complicated control systems utilizing valves that require automatic control which is based on external input. Like for instance, controlling 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, that allows the valve to be places precisely while allowing control over a variety of requirements.