

Steering Valve for Forklifts

Forklift Steering Valve - A valve is a device which regulates the flow of a fluid such as slurries, fluidized gases or regular gases, liquids, by closing, partially obstructing or opening certain passageways. Valves are normally pipe fittings but are typically discussed as a separate category. In cases where an open valve is concerned, fluid flows in a direction from higher to lower pressure.

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

In every day activities, the most common valves are plumbing valves as seen in view of the fact that it taps for tap water. Various popular examples consist of 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 flow. Heart valves likewise regulate the flow of blood in the chambers of the heart and maintain the proper pumping action.

Valves could be used and worked in numerous ways that they could be worked by a pedal, a lever or a handle. In addition, valves could be driven automatically or by changes in pressure, flow or temperature. These changes can act upon a diaphragm or a piston which in turn activates the valve. Various popular examples of this type of valve are seen on boilers or safety valves fitted to hot water systems.

There are more complex control systems making use of valves that require automatic control that is based on external input. For instance, regulating flow through a pipe to a changing set point. These situations normally require an actuator. An actuator will stroke the valve depending on its input and set-up, that allows the valve to be positioned precisely while allowing control over different requirements.