

Steering Valves for Forklift

Forklift Steering Valve - A valve is a device that regulates the flow of a fluid like for example liquids, slurries, fluidized gases or regular gases, by opening, closing or partially obstructing certain passageways. Valves are generally pipe fittings but are typically 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 used in numerous applications such as industrial, residential, transport, commercial and military trades. Some of the major trades that rely on valves consist of the oil and gas sector, mining, chemical manufacturing, power generation, water reticulation and sewerage.

In day to day activities, the most common valves are plumbing valves as seen as it taps for tap water. Several common examples comprise small valves fitted to dishwashers and washing machines, gas control valves on cookers, valves within 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 control the circulation of blood in the chambers of the heart and maintain the proper pumping action.

Valves can be used and worked in many ways that they can be worked by a pedal, a lever or a handle. In addition, valves can be operated automatically or by changes in flow, temperature or pressure. These changes may 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.

Valves are utilized in various complicated control systems that could require an automatic control that is based on external input. Controlling the flow through the pipe to a changing set point is one example. These situations usually need an actuator. An actuator would stroke the valve depending on its input and set-up, allowing the valve to be places precisely while allowing control over a variety of needs.