

Steering Valve for Forklifts

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

Many applications like for example residential, transport, commercial, military and industrial industries make use of valves. Some of the major trades which rely on valves consist of the oil and gas sector, mining, chemical manufacturing, power generation, water reticulation and sewerage.

In daily activities, the most popular valves are plumbing valves as seen in view of the fact that it taps for tap water. Several common examples consist of small valves fitted to washing machines and dishwashers, gas control valves on cookers, valves within car engines and safety devices fitted to hot water systems. In nature, veins within the human body act as valves and regulate the blood flow. Heart valves likewise control the flow of blood in the chambers of the heart and maintain the correct pumping action.

Valves can be used and operated in several ways that they can be worked by a lever, a handle or a pedal. Furthermore, valves could be driven automatically or by changes in flow, temperature or pressure. 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 seen on safety valves or boilers fitted to hot water systems.

Valves are utilized in various complicated control systems that can require an automatic control which is based on external input. Regulating the flow through the pipe to a changing set point is one example. These situations generally require an actuator. An actuator will stroke the valve depending on its input and set-up, allowing the valve to be places precisely while allowing control over several needs.