

Steering Valve for Forklift

Forklift Steering Valve - Valves assist to regulate the flow of a fluids like slurries, fluidized gases or regular gases, liquids by opening and closing or even by partially obstructing certain 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.

Valves are utilized in many applications such as transport, commercial, military, industrial and residential trades. A few of the major industries which depend on valves include the oil and gas sector, mining, chemical manufacturing, power generation, water reticulation and sewerage.

In every day activities, the most popular valves are plumbing valves as seen since it taps for tap water. Various common examples comprise 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 also control the flow of blood in the chambers of the heart and maintain the proper pumping action.

Valves can be operated in several ways. Like for instance, they could be operated 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 can act upon a piston or a diaphragm which in turn activates the valve. Some common examples of this particular type of valve are seen on safety valves or boilers fitted to hot water systems.

There are more complex control systems making use of valves which require automatic control that is based on external input. Like for example, controlling flow through a pipe to a changing set point. These situations generally need an actuator. An actuator would stroke the valve depending on its set-up and input, which allows the valve to be positioned precisely while allowing control over different needs.