

Steering Valve for Forklift

Forklift Steering Valve - Valves aid to control the flow of a fluids like for instance fluidized gases or regular gases, liquids, slurries by partially obstructing, opening or even by closing certain passageways. Regular valves are pipe fittings but are 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 utilized in many applications such as commercial, military, industrial, residential and transport industries. A few of the major trades which rely on valves include the oil and gas sector, mining, chemical manufacturing, power generation, water reticulation and sewerage.

In every day activities, the most common valves are plumbing valves as seen because it taps for tap water. Various common examples include 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 within the human body act as valves and regulate the blood circulation. Heart valves likewise regulate the flow of blood in the chambers of the heart and maintain the correct pumping action.

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

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