

Steering Valve for Forklift

Forklift Steering Valves - Valves help to regulate the flow of a fluids such as 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.

Many applications like residential, transport, commercial, military and industrial businesses make use of valves. Some of the main industries which depend on valves consist of 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 since it taps for tap water. Other common examples consist of small valves fitted to dishwashers and washing machines, gas control valves on cookers, valves inside 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 even regulate the circulation of blood in the chambers of the heart and maintain the right pumping action.

Valves can be worked in several ways. Like for example, they can be operated either by a lever, a handle or a pedal. Valves can be driven by changes in flow, temperature or pressure or they can be automatic. These changes can act upon a piston or a diaphragm which in turn activates the valve. Some popular examples of this particular type of valve are found on boilers or safety valves fitted to hot water systems.

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