

Steering Valve for Forklift

Forklift Steering Valve - Valves help to regulate the flow of a fluids like slurries, fluidized gases or regular gases, liquids by partially obstructing, opening or even by closing some passageways. Regular 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 used in many applications such as commercial, military, industrial, residential and transport industries. A few of the main trades that depend on valves include the oil and gas sector, mining, chemical manufacturing, power generation, water reticulation and sewerage.

Most valves being utilized in daily activities are plumbing valves, which are used in taps for tap water. Various common valves consist of types 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 in 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 correct pumping action.

Valves could be utilized and operated in various ways that they can be operated by a pedal, a lever or a handle. Also, valves can be worked 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 common examples of this type of valve are found on safety valves or boilers fitted to hot water systems.

There are more complicated control systems using valves that need automatic control which is based on external input. For example, regulating flow through a pipe to a changing set point. These circumstances normally need an actuator. An actuator would stroke the valve depending on its set-up and input, which allows the valve to be situated accurately while enabling control over a variety of needs.