

Steering Valves for Forklift

Forklift Steering Valve - A valve is a device that regulates the flow of a fluid such as fluidized gases or regular gases, liquids, slurries, by opening, closing or partially obstructing particular passageways. Valves are usually 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.

Valves are used in many applications like industrial, residential, transport, commercial and military industries. Some of the main industries that rely on valves include the chemical manufacturing, power generation, water reticulation, sewerage, oil and gas sector and mining.

Most valves being utilized in everyday activities are plumbing valves, which are used in taps for tap water. Various common valves include ones fitted to dishwashers and washing machines, gas control valves on cookers, valves in car engines and safety devices fitted to hot water systems. In nature, veins in the human body act as valves and control the blood flow. Heart valves also control the circulation of blood in the chambers of the heart and maintain the right pumping action.

Valves can be utilized and worked in many ways that they could be worked by a pedal, a lever or a handle. Also, valves could be worked automatically or by changes in pressure, flow or temperature. These changes can act upon a piston or a diaphragm which in turn activates the valve. Several common examples of this particular type of valve are seen on safety valves or boilers fitted to hot water systems.

Valves are utilized in various complex control systems that could 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 circumstances normally need an actuator. An actuator will stroke the valve depending on its set-up and input, allowing the valve to be places precisely while allowing control over several needs.