

Steering Valves for Forklift

Forklift Steering Valve - A valve is a device which controls the flow of a fluid like for example fluidized gases or regular gases, liquids, slurries, by closing, partially obstructing or opening 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.

Various applications like for example commercial, military, industrial, residential and transport trades utilize valves. Some of the main trades which 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. Several common valves include those 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 within the human body act as valves and regulate the blood flow. Heart valves likewise regulate the circulation of blood in the chambers of the heart and maintain the correct pumping action.

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

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