

Steering Valves for Forklift

Forklift Steering Valve - A valve is a device which regulates the flow of a fluid like for example liquids, slurries, fluidized gases or regular gases, by opening, closing or partially obstructing particular passageways. Valves are generally pipe fittings but are commonly discussed as a separate category. In situations where an open valve is concerned, fluid flows in a direction from higher to lower pressure.

Numerous applications like residential, transport, commercial, military and industrial trades use valves. A few of the major industries that depend on valves consist of the water reticulation, sewerage, oil and gas sector, mining, chemical manufacturing and power generation.

Most valves being utilized in daily activities are plumbing valves, that are used in taps for tap water. Other popular valves include those fitted to dishwashers and washing machines, gas control valves on cookers, valves within car engines and safety devices fitted to hot water systems. In nature, veins within the human body act as valves and control the blood circulation. Heart valves even regulate the circulation of blood in the chambers of the heart and maintain the correct pumping action.

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

There are more complicated control systems making use of valves which need automatic control which is based on external input. Like for instance, regulating flow through a pipe to a changing set point. These circumstances generally require an actuator. An actuator will stroke the valve depending on its input and set-up, allowing the valve to be situated accurately while allowing control over various needs.