

Steering Valve for Forklifts

Steering Valve for Forklifts - A valve is a device which controls the flow of a fluid like liquids, slurries, fluidized gases or regular gases, by partially obstructing, opening or closing certain passageways. Valves are generally pipe fittings but are typically 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 utilized in many applications like for instance transport, commercial, military, industrial and residential industries. Some of the main trades that depend on valves include the chemical manufacturing, power generation, water reticulation, sewerage, oil and gas sector and mining.

In every day activities, the most common valves are plumbing valves as seen for the reason that it taps for tap water. Other common examples comprise small valves fitted to washing machines and dishwashers, 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 control the blood circulation. Heart valves likewise regulate the circulation of blood in the chambers of the heart and maintain the proper pumping action.

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

There are more complex control systems utilizing valves which need automatic control that is based on external input. For example, regulating flow through a pipe to a changing set point. These circumstances generally require an actuator. An actuator would stroke the valve depending on its input and set-up, allowing the valve to be situated precisely while allowing control over various requirements.