

Steering Valve for Forklifts

Forklift Steering Valve - Valves aid to regulate the flow of a fluids like for instance liquids, slurries, fluidized gases or regular gases by partially obstructing, opening or even by closing some passageways. Regular valves are pipe fittings but are discussed as a separate category. In instances where an open valve is concerned, fluid flows in a direction from higher to lower pressure.

Valves are used in numerous applications like for instance commercial, military, industrial, residential and transport industries. Some of the major trades which depend on valves consist of the chemical manufacturing, power generation, water reticulation, sewerage, oil and gas sector and mining.

Most valves being utilized in daily activities are plumbing valves, that are used in taps for tap water. Other common valves comprise types 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 in the human body act as valves and regulate the blood flow. Heart valves likewise regulate the flow of blood in the chambers of the heart and maintain the right pumping action.

Valves can be operated in several ways. Like for instance, they can be worked either by a lever, a handle or a pedal. Valves can be driven by changes in flow, temperature or pressure or they can be automatic. These changes may act upon a diaphragm or a piston which in turn activates the valve. Some common examples of this particular kind of valve are found on safety valves or boilers fitted to hot water systems.

Valves are used in several complex control systems that could need an automatic control which is based on external input. Controlling the flow through the pipe to a changing set point is one example. These situations normally need 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 several requirements.