

Steering Valves for Forklift

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

Many applications like military, industrial, residential, transport and commercial trades utilize valves. Some of the major trades which rely on valves consist of the chemical manufacturing, power generation, water reticulation, sewerage, oil and gas sector and mining.

Most valves being used in everyday activities are plumbing valves, that are utilized in taps for tap water. Several popular valves include ones fitted to dishwashers and washing machines, gas control valves on cookers, valves inside 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 also regulate the flow of blood in the chambers of the heart and maintain the correct pumping action.

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

There are more complex control systems making use of valves that require automatic control that is based on external input. Like for instance, regulating flow through a pipe to a changing set point. These situations usually require an actuator. An actuator would stroke the valve depending on its set-up and input, that allows the valve to be places accurately while allowing control over various requirements.