

Forklift Steering Valves

Forklift Steering Valve - A valve is a device which controls the flow of a fluid such as liquids, slurries, fluidized gases or regular gases, by closing, partially obstructing or opening particular passageways. Valves are generally pipe fittings but are usually discussed as a separate category. In instances 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 main businesses that depend on valves consist of the oil and gas sector, mining, chemical manufacturing, power generation, water reticulation and sewerage.

In every day activities, the most popular valves are plumbing valves as seen as it taps for tap water. Other common examples include small valves 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 in 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 right pumping action.

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

There are more complicated control systems utilizing valves which require automatic control that is based on external input. Like for instance, regulating flow through a pipe to a changing set point. These situations normally need an actuator. An actuator will stroke the valve depending on its input and set-up, that allows the valve to be situated accurately while allowing control over several requirements.