Forklift Steering Valves

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

Various applications such as industrial, residential, transport, commercial and military industries make use of valves. A few of the main trades that rely on valves include the chemical manufacturing, power generation, water reticulation, sewerage, oil and gas sector and mining.

In every day activities, the most popular valves are plumbing valves as seen in view of the fact that it taps for tap water. Several 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 regulate the blood flow. Heart valves likewise control the flow of blood in the chambers of the heart and maintain the proper pumping action.

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

There are more complex control systems using valves which need automatic control that is based on external input. Like for instance, regulating flow through a pipe to a changing set point. These situations generally require an actuator. An actuator will stroke the valve depending on its input and set-up, which enables the valve to be positioned accurately while allowing control over different needs.