Forklift Steering Valve

Forklift Steering Valve - A valve is a device that regulates the flow of a fluid like for example slurries, fluidized gases or regular gases, liquids, by opening, closing or partially obstructing some passageways. Valves are normally 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 used in numerous applications like industrial, residential, transport, commercial and military businesses. A few of the main trades which rely on valves include the mining, chemical manufacturing, power generation, water reticulation, sewerage and oil and gas sector.

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 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 in the human body act as valves and control the blood flow. Heart valves even control the flow of blood in the chambers of the heart and maintain the proper pumping action.

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

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