Steering Valve for Forklift

Steering Valves for Forklift - A valve is a device that regulates the flow of a fluid like for example liquids, slurries, fluidized gases or regular gases, by closing, partially obstructing or opening certain passageways. Valves are usually pipe fittings but are commonly 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 utilized in many applications like commercial, military, industrial, residential and transport trades. A few of the major industries which depend on valves include the chemical manufacturing, power generation, water reticulation, sewerage, oil and gas sector and mining.

Most valves being used in everyday activities are plumbing valves, which are used in taps for tap water. Various common valves comprise those fitted to washing machines and dishwashers, gas control valves on cookers, valves within car engines and safety devices fitted to hot water systems. In nature, veins within the human body act as valves and control the blood flow. Heart valves even regulate the flow of blood in the chambers of the heart and maintain the proper pumping action.

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

There are more complicated control systems using valves that require automatic control which is based on external input. For instance, controlling flow through a pipe to a changing set point. These circumstances normally require an actuator. An actuator would stroke the valve depending on its set-up and input, allowing the valve to be situated precisely while allowing control over a variety of requirements.