

## Steering Valve for Forklifts

Forklift Steering Valves - A valve is a device that controls the flow of a fluid like for example liquids, slurries, fluidized gases or regular gases, by closing, partially obstructing or opening particular passageways. Valves are normally 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.

Valves are used in numerous applications such as industrial, residential, transport, commercial and military businesses. A few of the main industries that rely on valves include the mining, chemical manufacturing, power generation, water reticulation, sewerage and oil and gas sector.

Most valves being utilized in everyday activities are plumbing valves, which are utilized in taps for tap water. Other popular valves include types fitted to dishwashers and washing machines, gas control valves on cookers, valves within car engines and safety devices fitted to hot water systems. In nature, veins in the human body act as valves and regulate the blood circulation. Heart valves even regulate 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 could be operated by a lever, a handle or a pedal. Moreover, valves could be operated automatically or by changes in temperature, pressure or flow. 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 found on safety valves or boilers fitted to hot water systems.

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