Steering Valve for Forklifts

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 commonly discussed as a separate category. In situations where an open valve is concerned, fluid flows in a direction from higher to lower pressure.

Many applications such as residential, transport, commercial, military and industrial businesses use valves. Some of the main trades that depend on valves consist of the chemical manufacturing, power generation, water reticulation, sewerage, oil and gas sector and mining.

In daily activities, the most popular valves are plumbing valves as seen because it taps for tap water. Various common examples consist of small valves fitted to dishwashers and washing machines, gas control valves on cookers, valves inside car engines and safety devices fitted to hot water systems. In nature, veins inside the human body act as valves and control the blood flow. Heart valves likewise control the circulation of blood in the chambers of the heart and maintain the proper pumping action.

Valves can be worked in several ways. For instance, they can be operated either by a handle, a pedal or a lever. Valves could be driven by changes in flow, temperature or pressure or they can be automatic. 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 complex control systems utilizing valves that need automatic control that is based on external input. Like for example, controlling flow through a pipe to a changing set point. These circumstances usually need an actuator. An actuator would stroke the valve depending on its input and set-up, that allows the valve to be places precisely while enabling control over different needs.