Forklift Steering Valve

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 opening, closing or partially obstructing some passageways. Valves are generally 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.

Various applications like residential, transport, commercial, military and industrial trades use valves. Some of the major businesses that rely on valves comprise the sewerage, oil and gas sectors, mining, chemical manufacturing, power generation and water reticulation.

In day to day activities, the most common valves are plumbing valves as seen since it taps for tap water. Several popular examples include small valves 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 control the blood flow. Heart valves also regulate the flow of blood in the chambers of the heart and maintain the correct pumping action.

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

There are more complex control systems making use of valves that require automatic control which 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 allows the valve to be places precisely while enabling control over several requirements.