Steering Valves for Forklift

Forklift Steering Valve - Valves help to control the flow of a fluids like for instance fluidized gases or regular gases, liquids, slurries by opening and closing or even by partially obstructing certain passageways. Regular valves are pipe fittings but are discussed as a separate category. In instances where an open valve is concerned, fluid flows in a direction from higher to lower pressure.

Many applications such as military, industrial, residential, transport and commercial industries utilize valves. A few of the main industries which rely on valves comprise the sewerage, oil and gas sectors, mining, chemical manufacturing, power generation and water reticulation.

In daily activities, the most common valves are plumbing valves as seen since it taps for tap water. Other common examples comprise small valves fitted to washing machines and dishwashers, 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 circulation. Heart valves also regulate the circulation of blood in the chambers of the heart and maintain the proper pumping action.

Valves can be used and worked in a lot of ways that they can be worked by a handle, a pedal or a lever. Moreover, valves can be worked automatically or by changes in pressure, flow or temperature. These changes could act upon a diaphragm or a piston which in turn activates the valve. Various 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 that is based on external input. For instance, controlling flow through a pipe to a changing set point. These circumstances usually need an actuator. An actuator will stroke the valve depending on its input and set-up, allowing the valve to be positioned precisely while enabling control over several requirements.