

Steering Valves for Forklift

Forklift Steering Valve - Valves aid to regulate the flow of a fluids like for example slurries, fluidized gases or regular gases, liquids by opening and closing or even by partially obstructing some 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.

Valves are utilized in many applications like commercial, military, industrial, residential and transport trades. Some of the main trades that depend on valves include the mining, chemical manufacturing, power generation, water reticulation, sewerage and oil and gas sector.

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

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

There are more complex control systems using valves that need automatic control which is based on external input. Like for instance, controlling flow through a pipe to a changing set point. These circumstances normally need an actuator. An actuator will stroke the valve depending on its input and set-up, that allows the valve to be places precisely while allowing control over various needs.