

Steering Valves for Forklift

Steering Valves for Forklift - A valve is a device that controls the flow of a fluid like for instance slurries, fluidized gases or regular gases, liquids, by closing, partially obstructing or opening some passageways. Valves are normally pipe fittings but are usually 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 like transport, commercial, military, industrial and residential industries utilize valves. Some of the major businesses which depend on valves include the oil and gas sector, mining, chemical manufacturing, power generation, water reticulation and sewerage.

Most valves being utilized in daily activities are plumbing valves, that are utilized in taps for tap water. Other popular valves comprise ones 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 control the blood flow. Heart valves even control the circulation of blood in the chambers of the heart and maintain the correct pumping action.

Valves can be utilized and worked in several ways that they can be operated by a lever, a handle or a pedal. Also, valves could be operated automatically or by changes in temperature, pressure or flow. These changes could act upon a piston or a diaphragm which in turn activates the valve. Several common examples of this particular kind of valve are found on boilers or safety valves fitted to hot water systems.

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