# **Valves in Pakistan**

Before starting, we must understand valves, like what they are and what their functions are. So, let’s start by simply explaining to you about valves.

**Valves**are the gadgets or items used to regulate, control, and direct the pathway or flow of fluids by opening and closing numerous passageways. Valves are taken under a separate category.

There are a lot of manufacturing companies that are producing valves in Lahore. If you are in search of valves, do visit our site **wi-co.com**. Here we are offering a different kind of valves and also their specifications and features.

## **Functions of Valves**

Following are the functions of valves;

* Opening and starting of flow
* Increase or decrease flow
* Controlling the direction of flow
* Adjusting and synchronizing the flow and its process pressure
* Alleviate a pipe system of specific pressure

## **Designs of Valves**

### In Pakistan, there are various designs, shapes, and types of valves. At the industrial level, there are multiple types of valves. Moreover, there are several small scale manufacturers in Lahore that are assembling and building valves.

### Every type of valve is made for a specific purpose since they are expensive items to buy them carefully. At the time of installation of the valve keep in mind that you must install it correctly.

### **Basic Parts of Valves**

All valves have these basic parts:

* Body
* Bonnet
* Trim
* Actuator
* Packing

### **Types of Valves**

Valves in Pakistan are designed by keeping in mind its high-quality and standard. Here we are going to explain different types of valves. Every type has its versatile function and attributes.

* Stem with outside Screw and Yoke
* Stem with Inside Screw
* Non-Rising Stem with Inside Screw
* Sliding Stem
* Rotatory Stem

**Stem with outside Screw and Yoke**

The stem's outer side is threaded, although some part of the branch in the valve is smooth and refined. The threads of the stem are isolated from the flow medium. There are two distinct styles of these designs available;

The first one is with the handwheel that is associated with the stem to raise them together. Simultaneously, the second one is with a threaded sleeve that gives rise to the stem to go together with the handwheel. O.S and Y indicate these types of valves**.**

**Stem with Inside Screw**

Valves in Pakistan are designed in very versatile ways and types. This is the second type in which the threaded portion of stem lies inside or into the valve body; on the other side, stem packing is with the smooth area that reveals the atmosphere. Usually, the threads of the stem are in contact with the flow of the medium. Whenever you rotate it, both the handwheel and stem rise together in order to open the valve.

**Sliding Stem**

This is the third type of valve. Valves are manufactured in distinct ways in all cities of Pakistan, like Lahore many others. It slides in and out of the valve to close or open the valve. Sliding stems are also used to control the valves that work or are operated by pneumatic cylinders or hydraulic cylinders.

**Rotatory Stem**

One of the usual or commonly used models in plug, ball, and Butterfly valves. When you turn it, it reaches the stem's quarter-turn to open or close the valve.