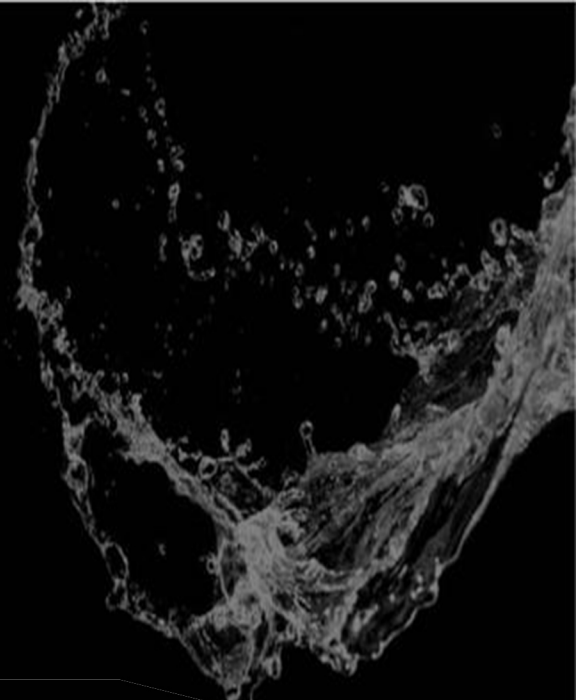






Almas Tak Valves Company is an active member of the Iranian Association of Sanitary Valves Manufacturers and is ready to compete with other competitors in various fields by observing its principles, which has a good share of exports to neighboring countries and always has been trying to increase the share of its exports.

Almas Tak Valves Company has world-class standards such as QA Ltd, ISO, UKAS, CE, and with the support and trust of consumers, tries to achieve all effective global standards.

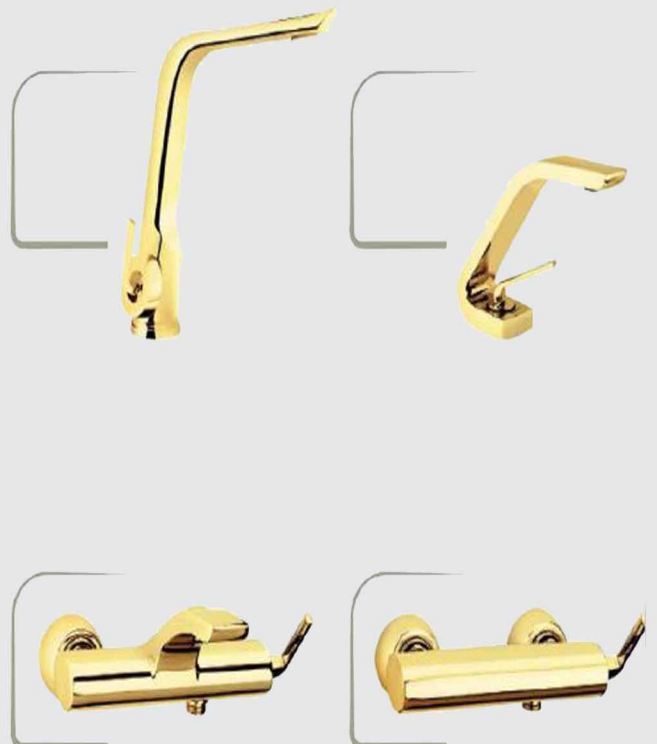
Technical specifications of Almas Tak valves:

The products of Almas Tak valves are produced at the level of national and international standards,



which according to the items announced by the Alloy Standards Office used in the body of these valves are made of cast brass with the following alloy:

Cu: 62% Zn: 30-33% Al: 1-3% Pb <2.5%



Almas Tak valves set

The company started its activities with the aim of national production and entrepreneurship and using domestic force and power to create jobs and eliminate the need for the country to import and exit national capital and try to update science and increase the quality of products in accordance with international standards.

The purpose of ALMAS TAK Valves Company is to use modern devices and use experienced domestic engineers with the latest knowledge and technology in the world along with studying modern methods to comply with and use global standards in order to gain its position in the global market and has an effective role in exporting and attracting international currency and capital.



Technical specifications of valves:

Casting of production valves is by special casting methods (the working surface is smooth and the thickness of the production trunks is at least 3 mm) and forging (parts are produced with the help of pressed machines and then with the help of turning operations and the part is very strong).

The parts used in the valves are made of compressed metal (extrusion), which due to the type of casting, there is no empty space for the penetration of water solute deposits into these parts and causes the





Lathing:

For turning the main body and attached parts, a two-way flowber machine and fully automatic transfer devices are used, which causes the connected parts to be coaxial, such as left gear and faucet cartridge, etc.



polishing job:

the polishing job is done by the company itself with the care and supervision of three authorities responsible for quality control, product quality engineering, and finally the company management. And due to the presence of experienced people, polishing the trunk and parts without any scratches or scuffs and possibly perforation, as a result of which the work surface is completely polished and prepared for the plating section.



Plating:

Almas Tak products have three layers of plating with a thickness of 14 microns, which is approved by Azma Sanat affiliated to the standard office, which includes the following:

- 1- Brass alloy (trunk and valve accessories)
- 2- Copper
- 3- Nickel
- 4- Chrome

Proper plating increases the durability of the product and never turns yellow and does not injure during transport and installation.



Sealing:

After the production parts are assembled carefully and supervised, the final product is tested dynamically and statically. In the static method, it is exposed to air pressure for 30 seconds to 1 minute, and in case of leakage, it is detected and taken out of line. In the dynamic method, the valves are tested with a pressure of 7 times, which is 3.5 times the pressure of city water pressure.

Water output:

Maximum water output 25 liters per minute and heat tolerance in the direction of washers and o-rings is 95 degrees Celsius (gaskets and O-rings are made of rubber which have very high elasticity and heat resistance of 120 to 130 degrees and tear resistance and in Shrinkage and expansion do not crack and do not disappear).

Cartridges:

Despite the ceramics that have been pressed with nanotechnology, they have a long life and ease of opening and closing and optimal water consumption with proper outlet adjustment, as well as anti-fouling and 110-degree rotation and flow adjustment (rate Water output) Water up to 20 liters per minute is a feature of the cartridges used in Almas Tak sanitary valves.



- faucet cartridge: The consumable faucet cartridge is of extruded type and is used with a standard lathe with 2.5 rotations on the valves.

-Faucet lever: it is longer than the typical faucet lever and it is used for an even flow of water along with silencer for eliminating the output sound.



- water Sprinkler: Pressure breaker grid and brass cups
- Valve: Automatic and host foam and an even water flow
- Hose: EPDM with steel cover
- spout/ the neck of the faucet: suitable and standard

Export valves are packaged and sent under the Persian brand name of Almas Tak and the Turkish name BIRDEH, not diamond.

Sanitary valve manufacturers in Iran:

Manufacturers operating in Iran are on average 65 large units that work only in the field of sanitary construction valves and produce 25,000 tons per year that these products are sold in the Iranian market and abroad. Tehran, Isfahan, Khorasan Razavi, Shiraz, Tabriz, Ardabil, Saveh, Semnan and Qom are famous valve manufacturers in Iran.

Sanitary construction valves in demand in the world:

Classic construction valves, as the name implies, are the old generation of valves. Classic valves have two separate hot and cold handles, each of which individually affects the regulation, temperature and water pressure, and in most countries this type of valve is less in demand.

Lever valves:

These products are in fact the same valves that are provided as a single lever in many of your homes. The popularity of lever valves today compared to many other valves in the house will be due to the reasonable price and high quality. On the other hand, because indoor people can easily use it and only by turning left and right, you can separate or mix hot and cold water, it can be the best choice.

Handle valves:

This type of valve has been one of the oldest designs for making valves, which is still used today in some modern buildings, including hotels, due to its classic nature. The opening of hot and cold water in this place should be done by each handle separately, and if it needs to combine hot and cold water, both handles should be opened as much as possible so that lukewarm water flows at the same time.



Wall valves:

These products are also widely used today in interior design, especially kitchens. Wall or standing faucets can be found in many Iranian kitchens and will be more comfortable to sit on and more accessible for cleaning dishes, especially sinks.

Digital and smart valves:

These types of products are made in some modern homes. Today, due to the prevalence of coronavirus, the use of smart and eye valves is very useful because it prevents direct hand contact to cut off and connect the water flow. Of course, it should be noted that to lukewarm the water, a lever is provided next to the valve, which will connect the infrared waves when the water is close to the eye.





About simple valves:

It is a valve that is installed only to control the flow of water and does not mix hot and cold water like mixed valves. These valves have the following components that are similar to most other valves.

Body Disc:

which in ball and cone valves is the same as a cone ball or cylinder.

Seat: which is where the disk sits or in the middle of the body and the disk or the washer. It is often made of soft material to do the job of sealing.

Handle and pulley: The pulley or handle is attached to the disk.

The valve is usually opened and closed by turning the pulley.



Types of construction valves:

The construction valves of the world are very large and their variety is very great. It can cover from cylindrical valves and gas and large industrial valves to any other model of valve that actually cuts and connects a flow (whether liquid, gas, or anything else, even granular valves). All of these are valves and have their own capabilities and differences.

Valve tariff code:

Valves with h.s code 8481010.

This code is specific to this product all over the world and is used especially for bathrooms, sinks, and toilets.

Now the series 15-20-25 each have differences

For example, h.s.code becomes a sliding pulley valve. The ball valve becomes 20. The valve for spray cans becomes 25 and there are many codes for different valves.



According to the customs statistics that exactly told us, Iran had exports of 28799904 dollars in 2017. If we want to calculate the export statistics of 2018 year, 22223139 dollars were exported until November, and that was only mixed and bath valves.

Other valves such as sink, toilet, yard valve, PISVAL valve are not mixed with it, but we have completely separated them.

Iranian construction valves are also exported to countries: Azerbaijan, Uzbekistan, Australia, Afghanistan, Germany, UAE, Bahrain, Tajikistan, Turkmenistan, Turkey, Libya, Ivory Coast, Iraq, Kyrgyzstan, Kazakhstan, Kuwait, Georgia, Lebanon, Russia, and now Armenia, Ukraine, Malaysia, Bolivia.

Lever construction valves:

The structure and mechanism of the lever valves are different from the classic models. In the lever valves, a part called the cartridge has replaced the two faucet cartridge numbers in the classic valves.

Valve cartridges are two ceramics and polished surfaces that are sealed on top of each other



By moving the lever handle of the valve by the users, the ceramic cartridges slide on each other in a horizontal direction and separate the water outlet by moving it up and down the water flow, it establishes and disconnects the water. and by moving it left and right, the water temperature is adjusted. Lever valves are easier to work with and this type of valves are very durable and have different colors and designs and have been popular with customers in most countries of the world and is one of the best-selling valves in the world.

Types of smart construction valves:

Smart valves are a new generation of sanitary valves that are widely used in public hygienic services and hospitals.

Types of built-in construction valves:

It is one of the most popular brands of valves, which is usually attractive for luxury home decoration, and the price of built-in valves is higher than conventional valves, due to the more complex mechanism that is installed inside the wall and has its own customers in the world.

Goals, routes, and programs:

Exporters of sanitary construction valves in the world:

The main exporters of this product, according to the statistics provided by Trade Map for all construction sanitary valves, are China, Germany, USA, Italy, Japan, France, Mexico, England, etc.,

their export figures are so high that I do not know what to say? Exports were almost over \$ 35 billion and only construction sanitary valves in 2017.

Manufacturers of sanitary construction valves with a worldwide trade of \$ 35 billion are of particular importance to the modern world economy.

The vastness of the construction valves basin has led us to take steps in the field and supply of some of the essential global health needs.

Sanitary valves are an integral part of our lives today and in every building, there are several types of valves such as dishwashers, sinks, bathrooms, toilets.

