

Material list:

Body and bonnet: ASTM B381 F2

Seat: ASTM RPTFE

Ball: ASTM B381 F2

O-ring: CITON

Gasket: Graphite+SS316

Bolt: ASTM A193 Gr B7

Nut: ASTM A194 2H

Stem: ASTM MONEL K500

Titanium ball valve instruction

Titanium ball valve is a kind of valve whose main parts such as adjusting body, bonnet, stem and ball are all made of titanium or titanium alloy. This material is a highly chemically active metal, which is resistant to most corrosive media. It exhibits particularly excellent corrosion resistance, because titanium and oxygen have a good affinity. When exposed to the atmosphere or any oxygen-containing medium, the surface immediately forms a strong and tight passivation oxide desert. This oxidation The membrane is very stable and difficult to dissolve. Even if it is damaged by the machine, as long as there is a certain amount of oxygen, it will quickly regenerate, so it can resist the erosion of a variety of corrosive media in many harsh conditions.

Titanium ball valves have two types: soft seal and metal hard seal. They can solve the corrosive problems of stainless steel, copper alloy, aluminum or plastic valves that are difficult to solve in industrial pipelines.

This product has outstanding advantages such as low density, high strength, safety and reliability, long service life, corrosion resistance and good pressure resistance. It is widely used in aviation, petroleum, chemical, metallurgical, electric power, medicine and health, instrumentation and other industries, especially It is suitable for installation on equipment in ammonia soda ash, pharmaceutical, urea and petrochemical industries.



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