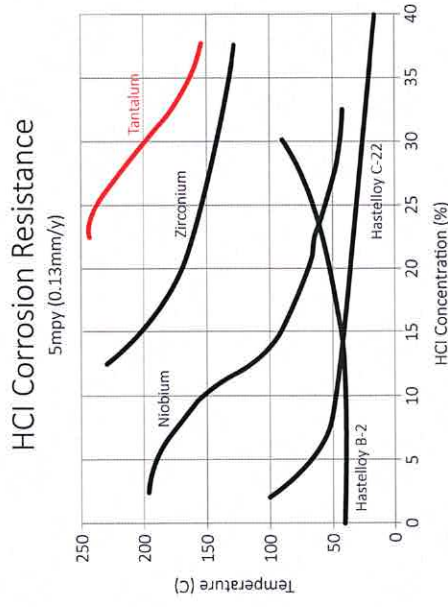
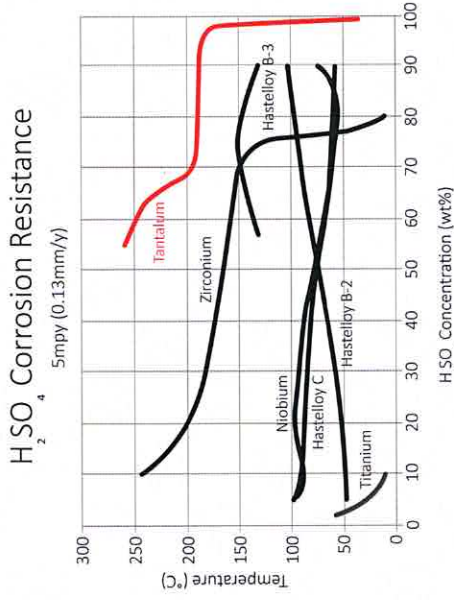


Corrosion Charts

These charts show the conditions under which various metals will corrode at a fixed rate of 5 mils per year (mpy). Tantalum by far outperforms other specialty metals and alloys.



Tantaline® is a brand and registered trademark of CVD Materials Corporation

CVD
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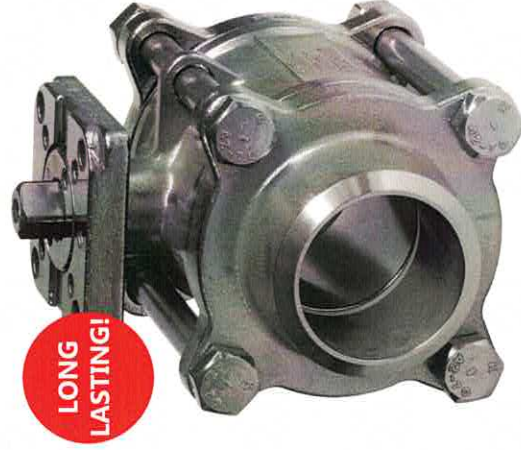


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TANTALINE®

www.tantaline.com

See the Tantaline® Difference!



48 hours in acid with
Tantalum treatment



10 hours in acid without
Tantalum treatment

SUPERIOR CORROSION PROTECTION

TANTALINE® OUTPERFORMS HASTELLOY®, TITANIUM, & ZIRCONIUM

Exceptional Chemical
Resistance to Hot Acids

- ▲ HCl
- ▲ HNO₃
- ▲ H₂SO₄
- ▲ HClO₃



*Hastelloy® is a trademark of Haynes International

Typical Tantaline® Treatable Applications and Solutions

Bellows

Tantaline® treated bellows and expansion joints are the most corrosion resistant components commercially available for use in aggressive hot acids offering an ideal solution for long service life.



Valves

Tantaline® treatment has successfully applied to a wide range of valve components and styles including Ball, Plug, Check, Needle and Butterfly. Re-assembly and testing services are available for end users.



Flowmeters

Tantaline® treatment can be applied to Vortex, Coriolis, Magnetic, Ultrasonic, and other style flowmeters used in aggressive applications such as sour gas (H2S) processing.



Autoclaves

Tantaline® continues to work directly with world class OEMs to provide a unique turn-key solution to end users in the Pharmaceutical and Chemical Process industries.



Tube Fittings

Tantaline® treated tube fittings can be provided directly to OEMs and end users in a wide range of styles and sizes. Rapid treatment of readily available stock hardware provides an added benefit.



Rupture Discs Holders

The Tantaline® treatment is commonly applied to a wide range of standard and custom pressure safety devices. These treated devices have provided many years of industrially proven reliability.



Fasteners

Tantaline® treated stud-bolts, bolts, nuts, and washers combine superior corrosion resistance with advantageous mechanical properties compared to cp-tantalum, and are thus the ideal solution in acidic environments. Rapid treatment of readily available stock hardware provides added benefit.



Custom Treatment Services

Experienced scientists and engineers are available to help develop unique solutions for enhancing the corrosion resistance of custom parts for existing and new applications.



The items shown here are only a selection of the types of parts and services that can be provided. Contact us at www.tantaline.com to learn more about treatment possibilities.