



Greystone offers a choice of two types of stainless steel (SS) in our thermowells. Our standard SS thermowell is made from 304 stainless steel. This corrosion-resistant metal is made with a minimum 18% Chromium and 8% Nickel, combined with a maximum of 0.08% carbon. The chromium content provides corrosion and oxidation resistance. This SS alloy resists most oxidizing acids and can withstand all ordinary rusting. **HOWEVER, IT WILL TARNISH.** It is immune to foodstuffs, sterilizing solutions, most organic chemicals and dyestuffs, and a wide variety of inorganic chemicals. Type 304 is used in most hot and cold water applications in the HVAC industry since this water is usually fairly clean.

Greystone also offers a 316 SS thermowell. This is made with 16% – 18% Chromium, 10% - 14% Nickel and a maximum of 0.08% carbon, with the addition of up to 3% Molybdenum. Molybdenum increases the corrosion resistance of this Chromium-Nickel alloy to withstand attack by many industrial chemicals and solvents as well as sodium and calcium brines, hypochlorite solutions, phosphoric acid; and the sulfite liquors and sulfurous acids used in the paper pulp industry. Type 316 is used in applications where pitting caused by chlorides is a concern, in applications that use a brine solution such as ice rink surface cooling, or in a marine environment.