

Corrosion resistant steels are mainly used in the food products industry. Stainless alloys CF8 and CF8M make up 70% of the market. Heat resistant steels are used in reformer and ethylene, centrifugally cast tubes, and return banks for refining equipment. These alloys are normally HH, HK, HT, and nickel-chromium steel alloy.

Pumps (10th Largest Steel Castings Market)

The trends in growth and consumption in this market have in the past and are projected to continue to closely parallel those of the Valves market.

At the projected rate of growth, a potential 8% short supply of carbon steel pump castings over 5,000 pounds could exist in 1985. Demand would also exceed supply by approximately 10% for stainless and other corrosion resistant pump parts over 1,000 pounds during the same period.

The growth of this market section is very dependent on the Oil Field Equipment industry. If oil prices increase, our demand increases for pumping equipment. The pumps market should grow at a rate of 4% per year. The largest growth segment is in stainless steel pump casings. It is especially advantageous to have capabilities to produce stainless alloys, as well as high nickel base alloys as common pattern equipment is generally used to produce the same casting in several alloys.

Industrial Furnaces and Ovens

Overall, this industry consumes less than 1% of the total steel castings produced, but uses over 30% of all of the heat resistant castings. Growth in this market is expected to be minimal to flat at a compound annual rate of 1% to 2%.

These castings predominately fall in the 1 pound to 200 pounds weight classes and consist of small furnace parts, reformer and ethylene tube bends, and Ys and heat treatment baskets and trays. Reference in this report is to static cast parts and does not include centrifugally cast reformer and ethylene tubes projected at a level of approximately 9,000 tons in 1985.

Production of these industrial castings is presently supplied by specialty foundries producing heat resistant products.