



Teflon heater is a type of corrosion-resistant electric heater made of PTFE sleeve for heating various corrosive liquids. It has excellent anti-aging properties and good flexural properties, and is designed with a low surface load. The teflon heater can be divided into two types, one is to directly spray the surface of the heating tube with the fluoroplastic material, and the other is to form the fluoroplastic sleeve on the outer layer of the iron heating tube and the copper heating tube. PTFE is usually selected for superior corrosion resistance and compared to metals. Unlike most of the other heaters that use a large single tube, the PTFE heaters use a smaller diameter continuous element. The use of the smaller diameter offers greater flexibility in the design of the heater in that the element can be

formed in many different shapes to best suit your application. Teflon heater is a space efficient solution for liquid heating applications where easy removal of the heater for cleaning or inspection is required. This heater is designed for installing in the top of a tank with the heated portion directly immersed at the bottom.

Application

Teflon heater has a strong resistance to chemical corrosion, which is applicable to heat in highly destructive liquid, they are very efficient as they transfer all their heat to the heating medium. They are supplied with several different flange and threaded connection joints and immersion depths to suit the tank size. Teflon heater is the most versatile solution for a great variety of heating applications, in the industry as well as in other fields. They can be shaped into any pattern, can be clamped or wrapped around the bodies that shall be heated.

- Paper making
- Food industry
- Environmental protection
- Printing and dyeing clothing
- Chemical industry
- Glass
- Medicine
- Electronics
- Insulation
- Machinery
- Molding process
- Hot melt
- Electro Plating
- Electro Coating

Materials

It is made of stainless steel (Stainless Steel 316 or Stainless Steel 304) jacked with PTFE/PFA tube