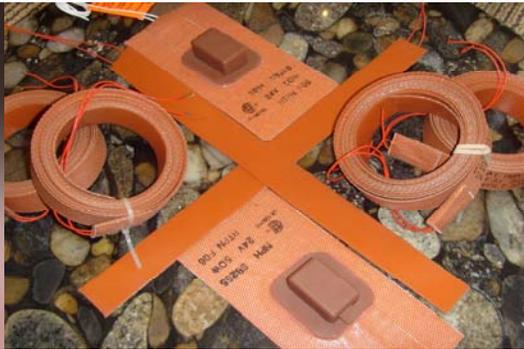




Technical Letters and Tips on Immersion Heaters



How to Extend the Life of Your Immersion Heaters



National Plastic Heater Sensor and Control Inc. has been designing, engineering and manufacturing immersion heaters for a long time. We have 38 years of combined experience and we will do our best to save you money! Of course we were referring to saving you money on the purchase of a new heater, but we simply will not stop there. **We want to save you money by extending the life of your current heaters.**

Here are six things you can do that will make a difference in extending your immersion heaters life:

- (1) Check your heaters regularly for coatings and corrosion and clean them if necessary. In most applications, using a high pressure sprayer does the job. However, please use caution and check with the manufacturer when the elements are being used in harmful chemicals.
- (2) The tank should be checked regularly for sediment around the heater, as sediment can act as an insulator and shorten heater life.
- (3) Remove any accumulated sludge deposits from the heater and the tank.
- (4) Check for loose electrical terminal connections and tighten if necessary. A loose connection can create resistance heat than can cause a heater terminal to melt.
- (5) If corrosion is indicated in the terminal enclosure, check the terminal enclosure gasket and replace if necessary. Check the conduit layout to correct conditions that allow corrosion to enter the terminal enclosure housing.
- (6) Clean the terminal ends of all contamination.

These six steps work best when put on a scheduled preventative maintenance program. How often depends on the amount and quickness of sludge build-up in your application. However a few minutes of checking once or twice a month could save you significantly.



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