

Withdraw able type immersion heater: Recently we had an inquiry from a large refinery, where we had to provide them with an easy maintenance oil heating bundle. Breakdowns and long maintenance time are 2 major hindrances in ensuring non stop working of the refinery.

After receiving the required information we recommended Withdrawable type heating bundle. As the word suggests, these are type of heating bundles which can be easy withdrawn for maintenance or breakdown without emptying the tank. To elaborate, the heating bundle is fitted inside a pipe that is welded to the tank. When the heating bundle is charged, it heats the pipe and the pipe heats the medium, in this case the oil.

Providing a heating bundle, which has to be encased inside a pipe requires a strong design, as the heater heats up the entrapped air which in turn heats up the pipe and the pipe heats up the oil. The placement of elements, the surface loading, the tube material, temperature controls etc. have to be spot on to ensure safe working of the heating elements. Also the bundle and the pipe must be pressure tested to eliminate any chance of leakage. With experienced staff and capable design team using 2D and 3D design softwares. Theeta came up with the design of withdrawable type heating bundle for this inquiry. The bundle has now been supplied to the customer and is running successfully it the site

The image of withdrawable heater is as below. This type of withdrawable type heaters can be used in numerous application where the tank sizes are big and the medium to be heated is either acidic, alkaline or gaseous in nature where emptying the talk is not easy.

