

# Hospital Chiller Refurbishment





### PROBLEM

If you are in facility maintenance you know a new chiller is never cheap and at the tie of this repair and upgrade the client was estimated it would be a \$ 450,000 purchase plus removal and instillation cost.

Unconventional Solutions along with another worthy competitor were called out to look at how much abrasive blasting, prepping and epoxy the tube sheets and end plates would be. At the time USI was \$ 51,000. Call for updated pricing.

### SUBSTRATE

Steel

## PRODUCTS USED

RESIMETAL 201 Ceramic Repair Paste RESIMETAL 202 Ceramic Repair Fluid (2 colors)

#### SOLUTION

First, the chiller's surface was prepared using the NACE #2 standard, blasting the corrosion away to get it back to a near white metal.

The corroded metal of the chiller was then rebuilt with <u>RESIMETAL 201 Ceramic Repair</u> <u>Paste</u>. Once the metal was rebuilt, USI coated the chiller with two layers of <u>RESIMETAL 202 Ceramic Repair Fluid</u>, one coat blue and the other gray. This two-coat system ensures that pinholes and holidays can be detected and fixed, as well as offering better corrosion protection.

This is only the latest of the chillers the university has asked USI to refurbish. With our help, they have saved millions of dollars.