

Even Heat Exchangers With No Tubes or Waterboxes Still Need CeramAlloy!

The Plate Heat Exchanger has become a common piece of equipment in commercial and industrial facilities in recent years. It has replaced conventional shell and tube heat exchangers (with their inherent tubesheets, waterboxes, divider plates and covers) in many applications where heat transfer between liquids or between steam and water is desired.

The Plate Heat Exchanger compresses specially shaped stainless steel or titanium plates together in a large sandwich between two thick carbon steel end heads. When serviced, the compression bolts are loosened and the unit opens like an accordion for cleaning. The individual plates need little care. The carbon steel

end heads, however, are subject to erosion / corrosion attack.

Recently a utility that uses this type of equipment notified ENECON Northeast about just such a problem. During routine service it was noted that the end head had become damaged and the problem threatened some of the sealing surfaces.

The ENECON Northeast Engineering Team was called in and they abrasive blasted the two end heads, repaired the damage with CeramAlloy CP+AC followed by the application of two coats of CeramAlloy CL+AC.

As the pictures illustrate, the repair came out perfectly and the customer was extremely pleased with the result.

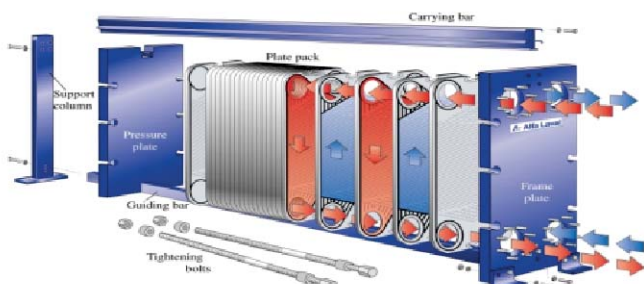


Plate Heat Exchanger