

DURINERT[®] & DURINERT[®]+ Protective Coating for Low NOx and Acidic Applications

Durinert[®] = Inertness of Glass + Heat Transfer Ability of Stainless Steel

Perma Pure now offers, Durinert[®], the most advanced heat exchangers available for stack sample coolers. Durinert[®] offers the inertness of glass but the durability and heat transfer ability of stainless steel.

Durinert[®] - A Revolution in Heat Exchanger Technology

Perma Pure is proud to offer a revolutionary new heat exchanger, Durinert[®]. This special coating is uniformly applied to stainless steel heat exchangers creating an inert surface that will not flake or crack.

The Best Solution for Low NO_x and Acidic Applications

The inertness and durability of Durinert[®] heat exchangers make them the ideal solution for low NO_x and acidic applications.

Can Replace Virtually All Heat Exchangers...Even If They Are Not from Baldwin

Baldwin's Durinert[®] heat exchangers are interchangeable with most heat exchangers used in stack sample coolers. Therefore, it is easy to upgrade to the benefits of Durinert[®].

Durinert[®] + Now Available!

Durinert[®] + nearly 10 times thicker than standard Durinert[®] coating for very corrosive environments.



Durinert[®] +: A Great Solution for Probe Assemblies as well as Heat Exchangers

The corrosion protection benefits of Durinert[®] + is available for Heated Filter Probe filter assemblies and stingers. Great corrosion protection at a fraction of the cost of Hastelloy[®].

Resistance to Corrosion: 4 hours in 34.1% HCl Solution

Samples of ferrous-based metals were soaked in concentrated HCl (37%) over a 4-hour period. The weight loss due to acidic degradation per unit surface area is included in the corrosion rate calculation in units of mils per year (mpy).

Material	Mils Per Year
Hastelloy	<10
Durinert [®] +	638
Titanium	1,000-2,000
Durinert [®]	2,982
Std 316L	9,054

Durinert[®] and Durinert-PlusTM offer 3-times and 14-times greater resistance to corrosion than standard 316L stainless steel, respectively.

