

This product is represented in Australia, New Zealand, and PNG by:

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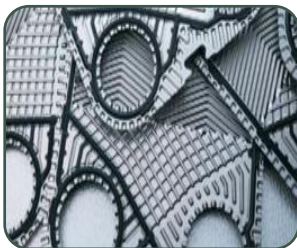
Heat Transfer Equipment

- Shell & Tube Heat Exchangers - Standard, Custom, Corrugated Tubes.
- Plate Heat Exchangers - Brazed, Gasketed, Semi-Welded, & Welded.
- Graphite Heat Exchangers.
- Plate & Shell Heat Exchangers.
- Spiral Heat Exchangers.
- Crossflow Welded Heat Exchangers.
- Direct Steam Injection Heaters.
- Air Coolers.



Corrosion Resistant Equipment - Valves, Piping, Vessels & Systems

- Polymer-Lined Valves, Piping, and Pressure Vessels.
- Exotic Metal (Ta, Zr, Ti) Fabricated Piping and Pressure Vessels.
- Glass-Lined Vessels.
- Graphite Equipment and System Packages.



Service Maintenance

- Plate Heat Exchangers - Refurbishment, Gas Testing, UV Crack Testing.
- Graphite Equipment - Installation, Refurbishment, Repairs.
- Glass-Lined Vessels - Spark Testing, Lining Repair.
- Quality Spare Parts, both OEM and Aftermarket.



Process Heating Solutions Worldwide

General Industrial Case History



Resin Bed Regeneration

Application

Power generation plants use cation and anion resin bed exchangers to treat boiler feed water. Anion beds are regenerated by backflushing with 120°F caustic solution. Temperature control is critical to protect the resin.

In 1997, the Puerto Rico Power Authority installed a Pick Model 6X25-3 Heater in its Aguirre steam plant, replacing a shell & tube exchanger. Satisfactory experience with this unit led to subsequent installations at the San Juan, Palo Seco, and Costa Sur steam plants. Time in service ranges from four to eleven years. The original heater at Aguirre is the only unit to require minor maintenance, after eight years in operation.

Process Conditions

| | |
|------------------------|----------|
| Water Flow Rate: | 93 GPM |
| Discharge Temperature: | 120°F |
| Steam Pressure: | 250 PSIG |
| Water Pressure: | 100 PSIG |

Caustic injected downstream of heater for 4% concentration.

Features and Benefits:

- Compact Size
- Precise Temperature Control
- Trouble Free Operation

Learn more at www.pickheaters.com

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