

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

InKorr Pty Ltd

Address: Unit 12, 103 Lewis Road,
Knoxfield VIC 3180, Australia

Email: inkorr.service@inkorr.com.au

General: +61 (3) 8201 4868

Service: +61 (0) 478 800 003

Contact us with any enquiries related to:



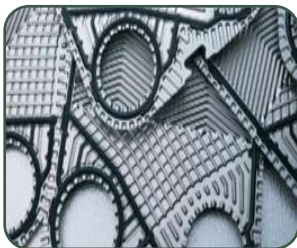
Heat Transfer Equipment

- 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

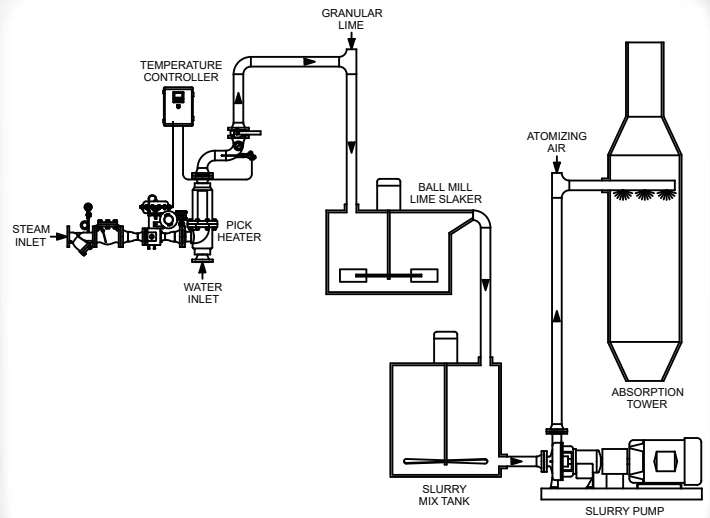
- Polymer-Lined Valves, Piping, and Pressure Vessels.
- Exotic Metal (Ta, Zr, Ti) Fabricated Piping and Pressure Vessels.
- Glass-Lined Vessels.
- Graphite Equipment and System Packages.



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.

General Industrial Case History



Limestone Slurry for Flue Gas Desulphurization (FGD)

Application

Environmental regulations require power plants to employ flue gas desulphurization (FGD) to control sulfur dioxide (SO₂) emissions. Limestone scrubbing is the method of choice for coal-fired plants, yielding efficiencies of 90% - 98%. SO₂ is neutralized by direct contact with limestone slurry in an absorption tower.

Slurry is produced by crushing limestone in a ball mill and mixing it with water. During this slaking process, conversion to calcium hydroxide is achieved. Surface area of calcium hydroxide particles is the critical factor for scrubber efficiency. Use of hot water at 110°F - 120°F supplements heat of reaction. This improves slaking efficiency and reduces lime consumption.

Process Conditions

Water Flow Rate:	200 GPM
Discharge Water Temperature:	110°F
Temperature Rise:	40 - 60 °F

Solution

Pick Model 6X50-3 Constant Flow Heater in carbon steel construction. The Pick Heater provides a simple, yet reliable source of hot water at precisely controlled temperature.

Features and Benefits:

- Improved Slaking Efficiency
- Reduced Lime Consumption
- Compact Size
- Precise Temperature Control

Learn more at www.pickheaters.com