Well Charged Aluminum Melter
Retrofit of Existing Furnace

TwinBed® II Regenerative Combustion Systems

Furnace Size ........................................ 44,000 lbs (20 metric tonne)
Combustion System ................... One pair of 4343-9 TBII Regenerative Burners -
....................................................... 9.5mm Btu/h (2500 kW)

Achieved:
Instantaneous Melt Rate ............ Increased by 18% to 8,500 lbs per hour (3.9 metric tonne per hour)

Achieved:
Specific Gas Consumption .......... Decreased by 48% to 1030 Btu per pound (600 kWh per metric tonne)

Emissions ...................... NOx: < 125 ppm corr. 3% O2 (250 mg/Nm3 corr. 3% O2)

Results ........................................ Turnkey installation. Total single-source responsibility by Fives North American.

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