



Energy Safety & Control Laboratory



Efficient-Boiler with Magnet

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Magnet Impact on Boiler Efficiency

- ESCL lab at UOIT has conducted an experiment to confirm the impact of using magnet around inlet fuel supply pipe for boilers.
- Results show boiler performance improvement that reaches 30% when magnet is used, where time to reach a given heating temperature is reduced, while total CO₂ emission is also reduced.
- Based on the experiment, it is estimated to have minimum 5% improvements on larger fuel supply pipes for industrial boilers.

Thank You

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