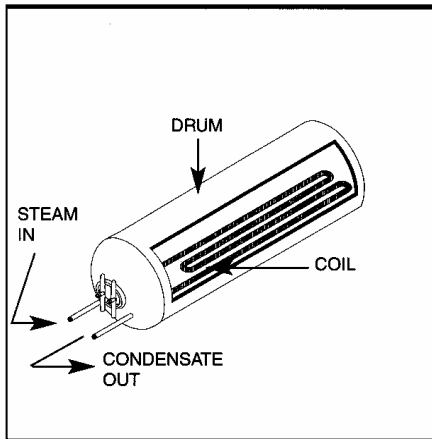


# Lower Drum Heating Coil for Rapid Startup of KE's Boilers



KE's Lower Drum Heating Coil

KE's lower drum heating coil provides a safe method of reducing start-up time on boilers employed in cyclic operations. Cycling idle boilers with the main burner to maintain boiler readiness creates undesirable flue gas moisture on the gas side, uneven stress on pressure parts and refractory, and consumes fuel at low fire inefficiencies. By using available plant steam, KE's lower drum heating coil maintains the unit at a predetermined and constant temperature allowing the unit to be brought to full operating condition uniformly and in the least amount of time.

## Features

- 4 KE's heating coil uses an auxiliary steam source.
- 4 Easy installation; KE sizes heating coils to fit through the lower drum manway to the maximum extent possible.
- 4 Assembly/installation drawings are provided by KE.
- 4 All necessary code documentation for the material furnished is provided by KE.
- 4 Fabricated in accordance with strict quality standards and ASME Code.

## Application

KE's lower drum heating coil can be utilized on any KE Keystone Package Boiler. Non-KE package boilers will be reviewed for feasibility on an individual basis.

## Benefits

- 4 Uniformly maintains the boiler in a hot standby condition.
- 4 Reduces start up period to reach normal load.
- 4 Lower fuel costs than cycling.
- 4 Reduces low temperature corrosion.
- 4 Decreases stress on pressure parts and refractory.
- 4 Provides a dryer gas side unit.

For more information,  
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