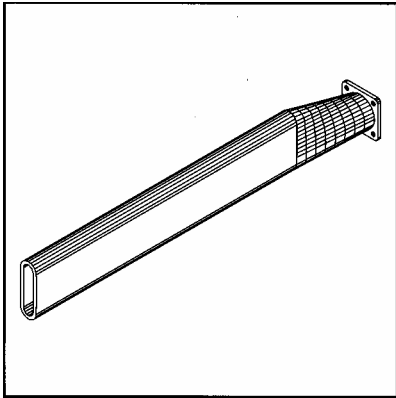


Improved Cinder Return Nozzle for KE's Stoker Fired Boilers



New KE Cast Steel Cinder
Return Nozzle

KE has developed an improved cinder return nozzle for use on KE boilers firing non-standard solid fuels that burn hotter and contain more material in the re-injection stream. This new nozzle, designed with high heat and wear resistant characteristics, has achieved very successful results in operation.

Features

- 4 The new cinder return nozzles are made from hardened cast steel that has excellent abrasion and wear-resistant characteristics.
- 4 The nozzle's cast steel has a tendency to become work hardened by the abrasion and impact action of the cinder material.
- 4 The hardened cast steel has a high hardness number, yet is stronger than the original cast iron nozzle.

Application

All new solid fuel fired KE boilers are furnished with these new cinder return nozzles. These new nozzles are also available as direct replacements for the cast iron nozzles originally supplied on existing units.

Benefits

- 4 The new nozzle's excellent wearability will provide long life resistance to the abrasive particles that are re-injected into the boiler.
- 4 The new nozzle becomes more abrasion resistant the longer it stays in service.
- 4 The hardness of the nozzle material results in a non-brittle nozzle that is easier to handle and is more tolerant of high heat fluxes in the furnace.

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