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Fabric Penetration Seals for HRSG Boilers

Application Brief



In combined-cycle power generation, optimal operating performance depends on capturing all available heat while reducing emissions. Properly maintaining penetration boiler seals help decrease energy loss, increases plant safety, and minimizes the risk of forced outages.

Designed for installation on the top and bottom of the HRSG, fabric penetration seals can operate with temperatures up to 1400°F.

Fabric penetration seals offer unique advantages when compared to other sealing options:

- Optimized for hot and cold modules of HRSG
 - High-temperature designs close to the turbine
 - Low-temperature designs close to stack
- Gas-tight seal for minimal leakage
- Can absorb large lateral and axial movements with a shorter overall length



Fabric penetration seals (bottom of HRSG) installed compressed in the cold position, before insulation complete

BADGER INDUSTRIES

A Division of Markovitz Enterprises, Inc.
100 Badger Drive
Zelienople, PA 16063



Tel: (724) 452 4500
Fax: (724) 452 0802
sales@badgerind.com
www.badgerind.com



On-Site Services

BADGER performs On-Site Service for inspection, installation supervision and repair of fabric and metal expansion joints. Site inspections are the core of our HRSG product offerings, as every site has unique installation requirements. Our experienced technicians can identify potential interferences from pipes and structural supports and assist with outage planning.



BADGER... a leader in Expansion Joint Technology for 100+ Years
METAL & FABRIC EXPANSION JOINTS

AIR INLET | TURBINE EXHAUST | HRSG INLET | PENETRATION SEALS | STACK INLET
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