



EXPANSION JOINTS

EXPERIENCE. EXPERTISE. EXCELLENCE.

# Air Inlet Duct Expansion Joints

## Application Brief

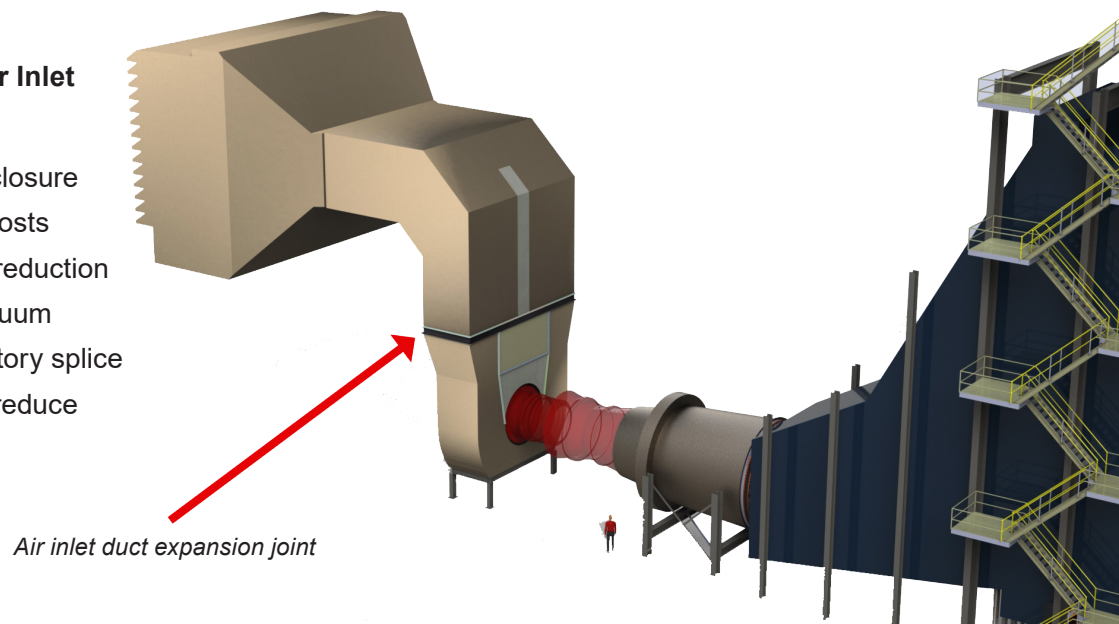


Without a functioning air inlet expansion joint, the vibration from the gas turbine and generator would turn the filter house into a megaphone. Minimizing vibration-induced noise pollution is the primary function of the air inlet expansion joint, but preventing unfiltered air from entering the turbine inlet vacuum is a key feature that can deteriorate over time.

## No Zipper Solution

### ADVANTAGES of BADGER's Air Inlet Expansion Joint

- Eliminates costly OEM zipper closure
- Reduced future maintenance costs
- Enhanced vibration and noise reduction
- Gas-tight seal against inlet vacuum
- Belts shipped "closed" with factory splice
- Factory punched bolt holes to reduce installation time



*Air inlet duct expansion joint*

### BADGER INDUSTRIES

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# Air Inlet Duct Expansion Joint Belt Replacement



*Badger's turnkey replacement service includes removal of the existing fabric expansion joint, hardware assemblies, and backing bars*



*A new composite fabric expansion joint is installed with PTFE flange gaskets, new hardware assemblies, and the previously removed backing bars*

**Choose BADGER for your COMPLETE TURNKEY repairs. Lower future maintenance costs of your air inlet expansion joint.**

**BADGER's onsite service offers inspections, engineering, and turnkey installation for the repair of:**

- Air Inlets
- Gas Turbine Exhausts (all OEMs)
  - Large Frame & Aeroderivative
- Diffuser Ducts & Liners
- GE 7F Flex Seals (Upgrades & Refurbs)
- HRSG Inlets
- Metal Bellows Penetration Seals
- Fabric Penetration Seals
- Stack Inlets
- HRSG Liner & Casing Repairs

Our experienced onsite service team and project managers provide complimentary inspections to help your team implement best practices for repair and installation. Developing a comprehensive maintenance plan in advance reduces outage budgets and helps avoid costly forced shutdowns.



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