

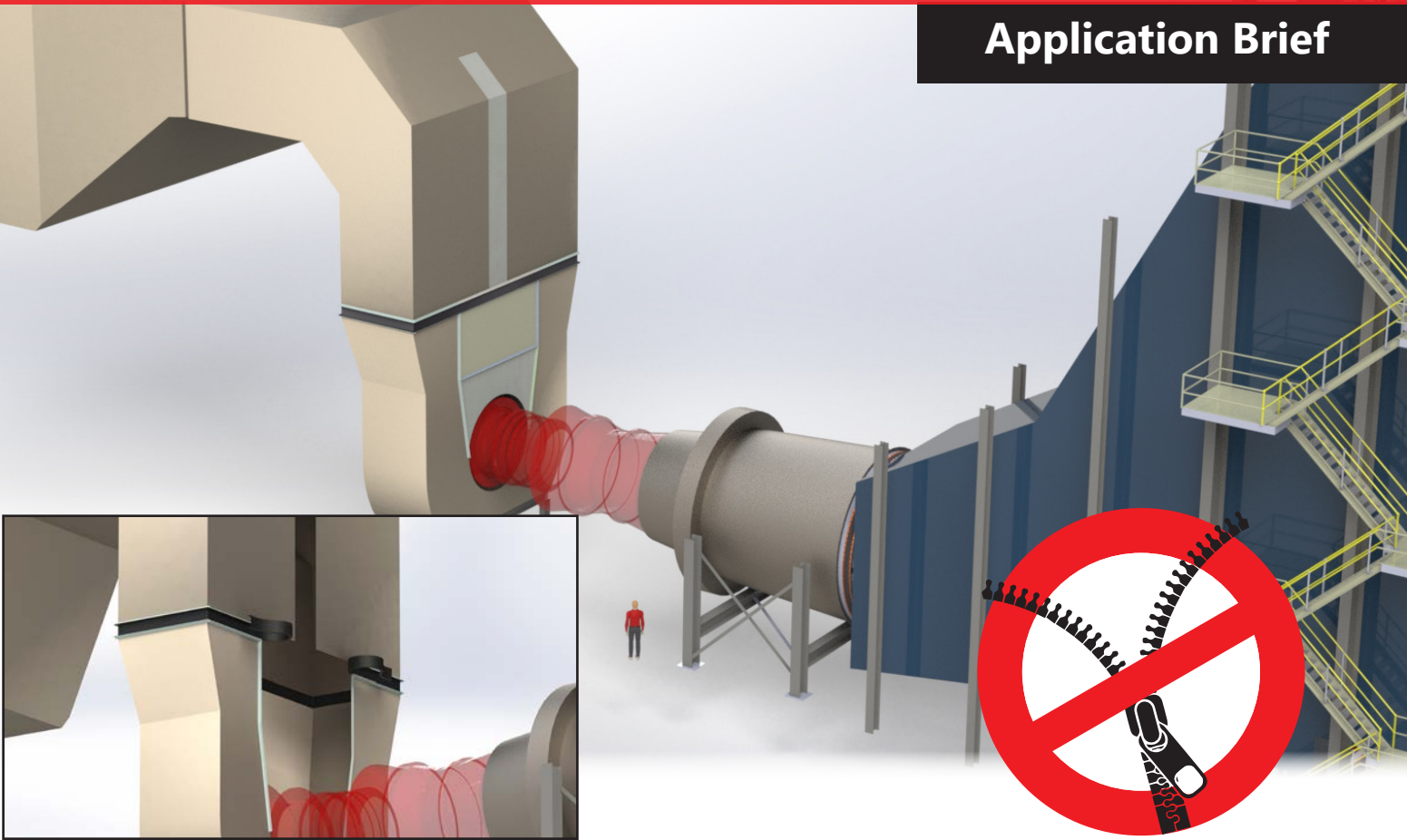


EXPANSION JOINTS

EXPERIENCE. EXPERTISE. EXCELLENCE.

# Air Inlet Duct Expansion Joints

## Application Brief



## No Zipper Solution

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 critical feature that can deteriorate over time.

### 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



*Badger's air inlet duct expansion joints eliminate the costly OEM zipper closure*



## Air Inlet Duct Expansion Joint Belt Replacement



After many years of service, some operators have experienced the OEM zipper replacement design is difficult to open and close, and poorly seals the inlet duct



Badger's turnkey replacement service includes removing 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** on-site 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 on-site 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.



Air Inlet Duct Expansion Joint | 09/2021-Rev00

