

STACK INLET EXPANSION JOINTS

Stack Inlet Expansion Joints Improve Gas Flow Efficiency

The stack inlet is a crucial component in power plants that manage the flow of flue gases, which contain pollutants like sulfur dioxide and nitrogen oxides. Proper design and operation of the stack inlet ensure these gases are effectively treated before being released into the atmosphere.

Despite minimal movements and low temperatures - under 350/400 deg F, the large rectangular stack inlet expansion joint is subjected to extreme corrosion and requires careful design construction, material selection, and installation. A well-designed joint can improve the overall efficiency of the stack by optimizing the flow of gases through the system.

PSIG Stack Inlet Joints

These reliable and high-performance expansion joints feature:

- Fabricated with acid-resistant material to endure the exhaust stack's corrosive environment
- Construction with a robust thin-layered fabric belt and assembled on site
- Critical bolting hardware and gasket selection to ensure a long service life

Onsite Services

Proper installation and maintenance of the stack inlet can reduce wear and tear on the system, leading to longer operational life and reduced maintenance costs. PSIG's experienced and professional technicians, supervisors, and managers provide inspection, installation, and repair services that incorporate the most value for our customers while preventing unplanned shut-downs.



PSIG Turnkey Services:

- Thermal inspections and preventive maintenance assessments
- Initial dimensional measurements
- Complete installation and refurbishment
- Onsite repair – online and offline
- Emergency services
- Final inspection
- Priority on safety

