

# Case Study: Power Generation

## Style 204 Expansion Joint

### Vacuum Service



**CASE STUDY :** Service life of Style 204 Expansion Joint in a condensate application for Power Generation.

**INDUSTRY:**

Power Generation

**BACKGROUND:**

This power generating station (GS) is one of five thermal electricity generating stations in this area. Its two operating coal-fuelled generators produce up to 306 megawatts (MW) of electricity, using low-sulphur powder river basin sub-bituminous coal. The role of this station is to provide reliability during peak demand times and back up electricity generation when other sources are not available.

1. Size: 54"
2. Media: Water
3. Pressure: 24psi
4. Vacuum: Full Vacuum (29.9"Hg)
5. Application: Condensate System

**OBSERVATION:**

These expansion joints have been in service for over 30 years. They were finally replaced in 2013 and are examples of the long service life that is possible with a quality rubber expansion joint made by Garlock.

**VALUE PROPOSITION:**

Garlock Expansion Joints offer superior performance, reliability and service life. This results in an improvement in plant safety, an increase in the mechanical integrity of equipment and allows customers to gain a competitive advantage in the market place.

For more information, please visit: [www.garlock.com](http://www.garlock.com).

