

# Case Study: Preventative Maintenance and Reliability Survey Success



## INDUSTRY

Pharmaceutical

## CUSTOMER

Large Pharmaceutical Company

## BACKGROUND

The customer focuses on innovation and sustainability. The headquarter site in the mid-west has HVAC systems that support over 1 million square feet of research centers housing environmentally sensitive laboratories and the research and development, operations, and commercial teams.

## CHALLENGES FACED

In a short period of time, the company had two catastrophic expansion joint failures. Mechanical rooms and laboratories were flooded, which led to environmental discharge and potential citations. Between two locations, there were an estimated 600 expansion joints with a wide variety of manufacturers and types. This made proper preventative maintenance inspections very difficult for the maintenance staff but was critical to the customer to ensure the safety of their employees and proactively prevent another failure.

## OPERATING CONDITIONS

Size: 4.000" ID through 12.000" ID

Temperature: Ambient to 200°F

Application: Various HVAC Systems

Media: Water or glycol

Pressure / Vacuum: 150psi and under

## SOLUTION AND BENEFITS

Garlock, in conjunction with local distribution, completed an expansive preventative maintenance and reliability (PMR) Inspection of all expansion joints. The findings were detailed in a written summary report which provided recommendations and a priority replacement list. With the PMR report in hand, the company installed the recommended replacements and has standardized to Garlock expansion joints. Since requesting the PMR service, the customer has not had an unexpected expansion joint failure and has been proactive in replacing joints that could have caused a problem.

For more information, please visit:  
<http://www.garlock.com>

## GARLOCK

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