

How Often Should You Clean The Refrigerant In A Chiller System?



There is no one-size-fits-all answer to how often you should clean the refrigerant in a chiller system, as it depends on various factors, including the chiller's design, age, operating conditions, and maintenance history. However, here are some general guidelines to help you determine when to clean the refrigerant:

1. Regular Maintenance Schedule:

It is essential to inspect the refrigerant for signs of contamination or degradation. This could be done annually, semi-annually, or quarterly, depending on the chiller's usage and the manufacturer's recommendations and your planned maintenance schedule.

2. Performance Issues: If you notice a decrease in the chiller's efficiency or performance, it may be a sign that the refrigerant needs to be cleaned. Conducting a thorough inspection and analysis of the refrigerant can help identify the cause of the performance issues and determine the necessary actions.

3. System Modifications Or Repairs:

If you are modifying the chiller system or performing repairs that involve opening the refrigerant circuit, it is a good opportunity to clean the refrigerant. This can help prevent contamination from entering the system during the modifications or repairs process.

4. Contamination Indicators: Some chiller systems are equipped with sensors that can detect moisture or other contaminants in the refrigerant. If these sensors show signs of contamination, it is essential to clean the refrigerant and address the root cause of the issue.

5. After A Major Component Failure:

It is essential to clean the refrigerant before reinstalling or replacing the failed component. This can help prevent contamination from affecting the new component and ensure optimal performance.

Reach Out TODAY To See How Hudson Can Help Your System Achieve Peak Operating Performance!