

CenTraVac® Compressor R'newal™ Service Program



Restore equipment performance
and reliability to original specifications



CVHB, CVHE, CVHF and CDHF Duplex Water Chillers

The Trane exclusive R'newal™ service program is tailored for CVHB, CVHE and CVHF CenTraVac® and Duplex (CDHF) water-cooled chillers serviced under a qualifying Trane service agreement. It is a comprehensive service solution designed to restore chiller compressor performance and reliability. This program offers a low cost alternative to a costly peak season failure. The R'newal service extends chiller life, restores performance and provides you with the peace of mind of knowing your equipment is covered with a new factory warranty.

Three Reasons to Consider

Compliance with environmental issues

The R'newal process can greatly reduce the likelihood of refrigerant leaks because all refrigerant seals and gaskets will be replaced.

Financial payback

The typical cost of the R'newal service program is much more attractive than replacing a compressor or a chiller:

- Failed motor replacement cost = three times the cost of an R'newal
- Chiller replacement cost = ten times the cost of an R'newal
- Remedy refrigerant and other operating problems = 5 percent or more potential energy savings

Reliable operation

For reliable chiller operation, it makes more sense to take a proactive approach than to deal with an unplanned failure. A planned service activity can help you avoid expenses for replacement parts and extended lead times during the peak-cooling season.

Flexible Solutions

We understand the importance of keeping your equipment performing at its best. That's why we will perform a thorough evaluation to determine when your unit is ready for an R'newal. We then plan the process around your schedule to minimize facility disruptions. Whether the R'newal is being performed as a proactive measure or reactive after a motor failure, we offer customized solutions to fit your schedule.

Standard R'newal Procedures

- Remove and reinstall refrigerant, per statute
- Analyze refrigerant at the Trane Chemical Laboratory
- Inspect and verify the inlet guide vane assembly, compressor motor, labyrinth seals and impellers as compared to current Trane specifications
- Verify and adjust controls and measuring devices
- Inspect starter or AFD components
- Reassemble centrifugal compressor with all new Trane motor bearings and compressor gaskets
- Replace relief-carbon disk and gaskets
- Chiller evacuation, leak testing, start-up to Trane specifications
- Trane extended warranty on compressor motor, bearings and lubrication system
- New Trane R'newal nameplate and serial number

Optional R'newal Procedures

- Trane Symbio® 800 controller with AdaptiView™ display upgrade
- Trane Adaptive Frequency™ drive R'newal program
- Clean and inspect heat exchangers
- Earthwise™ or Purifier® purge unit replacement
- RuptureGuard™ relief valve upgrade

Key Factors to Consider for an R'newal

- Chillers with high run hours
- Compressors that experience exceedingly high or low temperature conditions
- Installations and operations that are highly sensitive to downtime

- Facilities where financial conditions make chiller maintenance preferable over replacement
- Environmentally-conscious facilities that want to minimize refrigerant loss

Improve Your Chiller, and Your Operations

Renewed chiller

Extend equipment life, minimize downtime, reduce environmental impact and operational costs.

OEM expertise

The R'newal service program requires a high level of technical expertise, coupled with special tooling and fixtures necessary for motor and compressor disassembly, repair and reassembly. This kind of expertise can be best provided only through Trane service locations.

Planned service

Proactive maintenance helps eliminate unplanned downtime for building owners and occupants.

Extended Warranties

Each CenTraVac compressor R'newal is backed with a standard two-year parts and labor extended warranty. The warranty covers compressor motor failure, motor-bearing failure and lubrication system failure. A three-to-five year extension of this warranty is also available.

Get Connected!

Along with your R'newal, your chiller will be optimized for connecting to a Connected Mechanical Service Agreement (CMSA). Your new Symbio® 800 controller enables remote connectivity to monitor, analyze and maximize your building's performance.

A CMSA allows you to supplement your traditional Trane mechanical service agreements with digital equipment inspections that leverage continuous data collection and our digital analytics to identify unfavorable operating trends and diagnostics that can erode equipment performance in increased operating costs.

Learn more at trane.com



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.com or tranetechnologies.com.

All trademarks referenced in this document are the trademarks of their respective owners.

© 2024 Trane. All Rights Reserved.

SRV-SLB009-EN
08/14/2024