

CenTraVac® R'newal® Plus

Bring your chiller to better than new efficiency



A Problem that needs solving

Your Trane® CenTraVac chiller is integral to your facility's success. Yet most buildings will outlast the life of their original chiller. A chiller replacement is a typical solution but can be very complicated. Is there a way to avoid a major project that can be disruptive to your facility's operation?

Trane has an answer for owners of Trane CVHE, CVHF and Duplex chillers. Our R'newal Plus offering replaces the existing CenTraVac compressor with a new production compressor motor assembly to deliver the same reliability, performance and serviceability seen with new CenTraVac chillers. This Trane turnkey solution provides the chiller performance, reliability, and continued support that they need. All while avoiding major disruption that a complete chiller replacement can represent.

Benefits of upgrading

Due to the fact that heat exchangers and compressor layouts have changed very little, the new compressor sits with the heat exchangers intact, simplifying installation and greatly reducing disruption to your facility through a true plug-and-play swap (in most instances). The CenTraVac R'newal Plus program benefits include:

- ✓ **Prolonging the support life of your chiller** – Pre year 2000 Trane CenTraVac chillers are becoming increasingly difficult to support. This program uses current production parts assuring the same support you would expect from a brand new Trane chiller.
- ✓ **Environmentally preferred refrigerant** – The R'newal Plus program converts your chiller to refrigerant R-514a (the same refrigerant used in new CenTraVac chillers). R-514a greatly reduces the emissions potential compared to alternative medium pressure refrigerants. R-514a is accepted as a zero ozone-depleting and low global warming potential refrigerant replacement for older refrigerants.
- ✓ **Energy Savings** – When optimized for variable speed operation, the new compressor has up to 25% improved part load operation, unlocking major energy savings in your chiller plant.
- ✓ **A comprehensive plan for 25 years equipment life** – Generally, Trane expects 25 years of reliable operation for our R'newal Plus projects. Optionally, we can upgrade the controls, unit purge and compressor lubrication and cooling to current production specifications. We can even monitor the unit remotely to assure that the upgraded chiller is operating at its best.

Standard features:

- New production CenTraVac compressor and motor assembly
- Trane 2 year parts and labor warranty on compressor motor assembly, motor bearings, and lubrication system
- Refrigerant 514a operation, same as production chillers
- Oil tank, lubrication piping and motor cooling system upgraded to current specifications
- Replace relief-carbon disk and gaskets
- Chiller evacuation, leak testing, start-up to Trane specifications
- New Trane R'newal nameplate and serial number
- New EcoWise purge or existing EarthWise purge upgraded to EcoWise specification

Optional features:

- New production style CenTraVac starter (recommended for chillers 15+ years old)
- Renewed Trane Adaptive Frequency Drive (recommended for drives 10+ years old)
- Replacing existing starter with new Trane Adaptive Frequency Drive (improves part load performance by 25%)
- Reconditioning and epoxy coating of CenTraVac tube sheets (recommended for chillers 15+ years old)
- New heat exchanger insulation (recommended for chillers 10+ years old)
- Trane Intelligent Service Monitoring and Support
- New Trane Symbio® CenTraVac chiller controls

Improve Your Chiller, and Your Operations

New Compressor

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

OEM expertise

The R'newal Plus service program requires a high level of technical expertise, best provided by a Trane service location.

Planned service

A proactive CenTraVac R'newal Plus improves unit reliability and reduces unplanned chiller downtime for building owners and occupants. It also eliminates the repair delays that a failed obsolete compressor would have when it has unavailable service parts.

Extended Warranties

Each CenTraVac R'newal Plus Compressor replacement is backed with a standard two-year parts and labor extended warranty compressor motor assembly, motor bearings, and lubrication system. A 5-year and 7-year warranty is also available.

Other solutions to consider

Connectivity

Upgrading your chiller to a Symbio controller opens up many opportunities to optimize your system and become more efficient. The Symbio controller enables remote connectivity to monitor, analyze and maximize your building's performance. Symbio 800 unit controllers integrate seamlessly and securely with Tracer or non-Trane building automation systems, leveraging secure remote IP connectivity (BACnet, Modbus® and LonTalk®) open standard communication protocols and optional Air-Fi® wireless technology for simplified equipment monitoring and management.

Connected Service Offerings

Once connected, you can take advantage of a connected service agreement. Our digitally enabled offerings help you maintain your equipment and manage your building from enabling remote equipment inspections to optimizing your building and achieving energy efficiency and sustainability goals. We have the solution to help your business, no matter where you are in your service journey. Trane's suite of connected service offerings includes:

Connected Mechanical Services

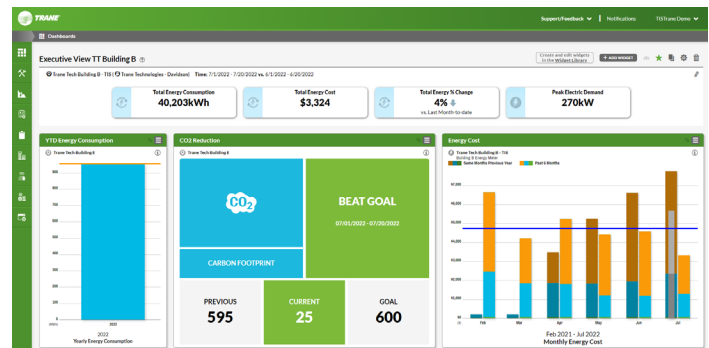
Leverages cloud-based equipment analytics to generate a remote inspection report as well as equipment performance trends to supplement our onsite equipment inspections.

Connected Building Services

Incorporates energy and building analytics, as well as our Trane Connect™ platform, to provide insights that help you optimize your building.

Intelligent Services

Trane experts consult to drive comfort, energy savings, and system reliability for connected customers. Trane offers system expertise plus technology platforms to achieve desired outcomes.



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.

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