

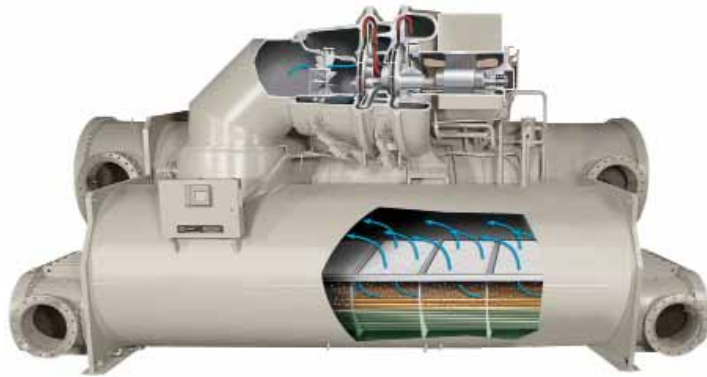


# *R'nnewal™ service for CenTraVac® chillers*

*Extend the life of your chiller*



# *Extend the life of your chiller with a renewed compressor*



You have to balance between short- and long-term priorities when managing maintenance decisions for your Trane CentraVac® chillers. Is the chiller worth an investment and upgrade? Is now the right time for maintenance, or is it time to replace the chillers?

These decisions are complex and require financial justifications. Years ago, you made the decision to purchase a Trane CentraVac water-cooled chiller. Designed to run for decades, Trane CentraVac chillers have an average operating life of 32 years, 40 percent better than the ARHI industry average. However, as with all mechanical equipment, deterioration occurs with time and usage. The key is to know when to take proactive steps to renew your equipment and maintain reliable operation and acceptable risk. For these reasons, Trane has developed an R'newal service program for your CentraVac chiller.

## **R'newal™ service program**

The Trane R'newal service program is a factory warranty solution to replace worn materials, restore compressor performance, and provide the same assured reliability as seen with the new CentraVac chiller. It is a program offered for CentraVac water chillers models CVHB/E/F and Duplex CDHF serviced under a qualifying Trane service agreement. A CentraVac compressor R'newal costs less than one-third of a major chiller motor failure and one-tenth the cost of a typical chiller replacement. The decision to renew a chiller is based upon a combination of factors:

- Long-term plan for chiller replacement
- Chiller run hours
- Chiller starts
- Seasons of operation
- Severity of duty
- Risk tolerance

## **The R'newal process**

The Trane CentraVac compressor R'newal service program involves a thorough evaluation of your equipment condition and economics. For some units, the energy operating costs will dictate that an existing chiller be replaced with a more efficient new Trane chiller. In other cases, the best choice is to keep and upgrade the unit you have. Trane can provide financial evaluations to help with your decisions.

If the R'newal process is the right solution for you, Trane will restore the compressor motor and unit components. This program is exclusively offered to Trane service agreement

customers and reflects the knowledge and experience of our factory-authorized technicians.

After completing the chiller R'newal process, Trane provides the same field startup as with a new chiller. Once the owner has signed off on the startup, the R'newal is certified by installing a new serialized nameplate on your machine.

### Extended warranty

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.

### Flexible solutions

A Trane account manager will work with you using our exclusive computer models to evaluate your equipment economics and condition. Together we can determine if it's the right time to renew your Trane CenTraVac chiller

compressor or upgrade your chiller and chiller plant system. Upgrades include:

- Tracer AdaptiView™ chiller controls
  - Upgrade your system to the newest Trane chiller controls technology to improve chiller performance, reliability and serviceability
- Adaptive Frequency™ drive
  - Upgrade your system to variable speed operation to save energy, improve low load operation and quiet chiller operation
  - For chillers that already have Trane AFDs, a Trane AFD R'newal will ensure reliable operation for years to come
  - Let us evaluate your system to determine if variable speed is right for you
- Earthwise™ Purge
  - Upgrade to Earthwise regenerative purge, the most efficient, lowest emissions, lowest maintenance cost unit available today.
- Tracer™ chiller plant optimization
  - Automate your chiller plant operation while optimizing equipment operation and setpoints



### Benefits of a renewed compressor

- Advanced planning – planned event versus an unexpected failure
- Budget – maintenance budget versus capital expense
- Saves money – R'newal process is one-tenth of the cost of replacement and one-third of the cost of a major failure
- Less risk – includes long-term compressor motor warranty
  - Standard two-year warranty
  - Optional three- through five-year warranty available
- Saves energy – eliminates inefficiencies caused by air leaks, improper refrigerant charge or oil loss
- Conserves environment – prevents refrigerant leaks



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