



# Optimize Your Chiller System

## Daikin Assurance Plan

### Proactive, Preventative, Protection

Extend the life of your equipment with a Daikin Assurance Plan. As with any complex equipment, periodic inspections and parts replacement can help add years to its lifecycle. This is vital when capital budgets are uncertain. We can detect potential problems during the off-season before they cause catastrophic failures, saving you hours of downtime and thousands of dollars in emergency repairs in the peak-season.



### Features & Benefits Include:

- ▶ **Extend Equipment Life**  
Keep your chillers running longer
- ▶ **Mitigate Risk**  
Minimize the potential of catastrophic failures
- ▶ **Reduce Costs**  
Invest in planned service now vs reactive service later
- ▶ **Restore Efficiency**  
Back to factory specs
- ▶ **New Manufacturer's Warranty**  
Includes a standard 2-year parts & labor warranty
- ▶ **New Unit Serial Number & Nameplate**  
Allows project funding to come from capital budgets instead of maintenance budgets

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# DAIKIN ASSURANCE PLAN

## SINGLE & DUAL MAGNETIC BEARING & OIL-BASED CENTRIFUGAL CHILLERS

### OUR APPROACH



Comprehensive system evaluation to ensure everything is running in tandem with your chiller.

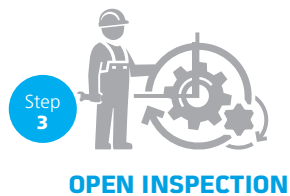
- > Pumps
- > Cooling towers
- > Chilled water plant controls

*Manufacturer's recommendation: an inspection of internal working parts should be done every 8-15 years or 50,000 operating hours.*



Comprehensive chiller evaluation using non-destructive testing (NDT) techniques.

- > Refrigerant analysis
- > Oil analysis (Models WSC/WDC)
- > Eddy current test
- > Insulation inspection
- > Tube inspection/cleaning
- > Water flow sensor checks
- > Sensor calibration checks
- > Inspect electrical connections
- > Controls



A comprehensive inspection is the proactive way to identify any potential issues with major components that could pose a catastrophic failure.

#### Magnetic Bearing Centrifugal Compressors (Model WMC)

- > Replace inlet guide vane assembly
- > Replace compressor capacitor bank
- > Replace IGBT (inverter) assembly
- > Verification of shaft magnetization
- > Verification & inspection of all top side and service side compressor components

#### Oil-Based Centrifugal Compressors (Models WSC/WDC)

- > Inspect inlet guide vane assembly
- > Open & inspect compressor components
- > Open & inspect lubrication system
- > Check clearances and tolerances



Present overall evaluation and options to address any potential concerns for failure due to excessive wear on internal parts. Identify and confirm the work to be performed.

### SAVE BIG ON OPTIONAL UPGRADES

Take advantage of additional upgrades while your equipment is being serviced. Not only will you save on the labor hours since your equipment is already opened; upgrading your equipment could allow it to qualify as a new depreciating asset.\*

- > Control upgrades
- > Repainting / protective coatings
- > New water sensors
- > Relief valves
- > BMCC upgrades (magnetic)
- > Compressor replacement (magnetic)
- > Check valves
- > Flow switches
- > New electrical contacts (oiled)
- > New lubrication system (oiled)
- > Low & high speed bearings (oiled)