

Danfoss Controls for DanfossTurbocor Compressors Case Study



Mechanical Systems Services

Facility:

Master ASW Base Naval Air Station
Jacksonville

Retrofit Parameters:

Replace chiller controls with
Danfoss Turbocor Controls

Retrofit Challenges:

Installed and utilized new level sensors and incorporated electronic valve and coil fan control for efficient operation.

Retrofit / Constraints / Opportunities:

This is a retrofit of an air cooled screw compressors with Danfoss Turbocor magnetic bearing compressors including new Danfoss MCX Controls specifically designed to Operate the Danfoss Turbocor compressors and associated sensors. The system is designed to be efficient, extremely quiet and provide energy savings over traditional Chiller systems.



Standard Trane Air Cooled Chiller



Trane Air Cooled Chiller w/Turbocor Compressor



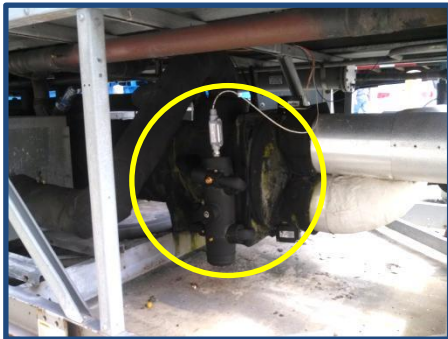
Level Sensor Before



KMC Controls Before



KMC Touch Screen Before



Level Sensor After



Danfoss Turbocor Controls After



Danfoss Touch Screen After



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