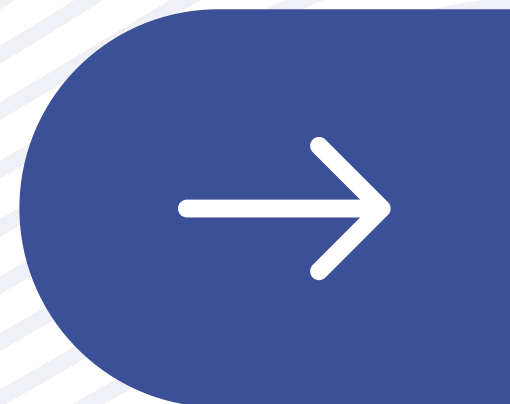




The Cooling People!

REDUCE CHILLER ENERGY CONSUMPTION WITH THESE SIMPLE TIPS

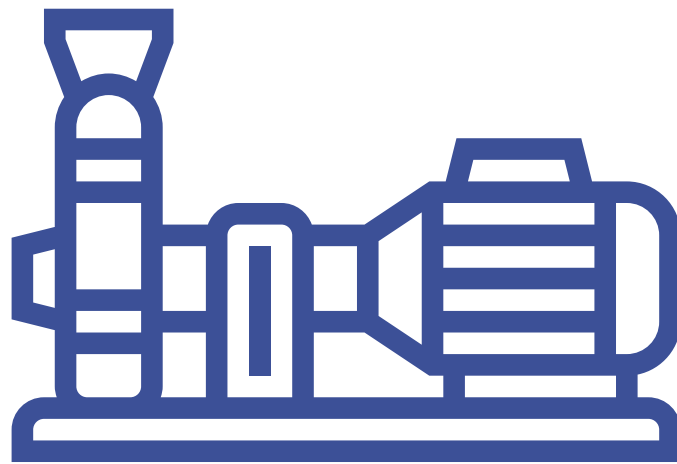


HERE ARE 10 WAYS TO CONSERVE ENERGY BY
EFFICIENTLY USING YOUR CHILLERS:

01

Don't Slow Down Your Condenser Pumps:

Reducing the speed of the condenser pumps will increase the refrigerant condensing pressure and temperature, lowering chiller efficiency and consuming more power.



02

Clean Your Chiller Condenser And Evaporator Tubes:

Dirty tubes reduce heat transfer, increasing chiller approach temperature and decreasing performance



03

Use Variable Speed Drives (VSDs) For Your Compressor And Fans:

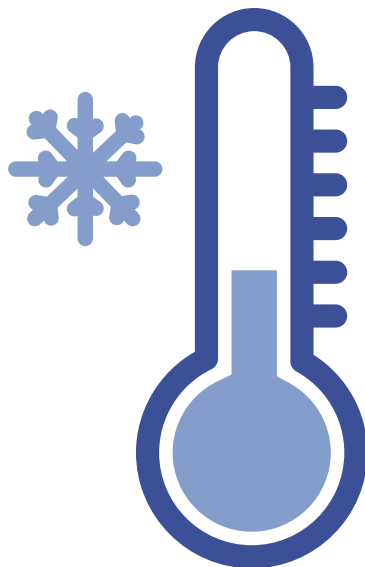
VSDs adjust the speed according to load and ambient conditions, reducing energy consumption and improving part-load efficiency.



04

Reset The Chilled Water And Condenser Water Temperatures:

Optimizing chiller operation and saving energy by resetting temperatures based on cooling demand and outdoor temperature.



05

Replace Or Retrofit Your Compressor:

Upgrade to a more efficient technology, such as magnetic bearing or oil-free compressors.



06

Use An Expansion Valve With Electronic Control:

Regulate refrigerant flow precisely to improve chiller efficiency and reliability.

07

Use Air-Cooled Chillers With Microchannel Condensers:

Improve efficiency with higher heat transfer coefficients and lower air-side pressure drops.

08

Use Free Cooling Or Economizer Cooling:

Use outdoor air or water to cool chilled water without running the chiller, saving energy when outdoor temperatures are low.

09

Sequence Your Chillers And Cooling Towers:

Ensure the most efficient units are running at optimal loads, turning off excess units to reduce energy waste.

10

Upgrade Your Controls And Fittings:

Monitor and optimize chiller operation with smart sensors, controllers, valves, and meters to detect and correct faults or inefficiencies.

