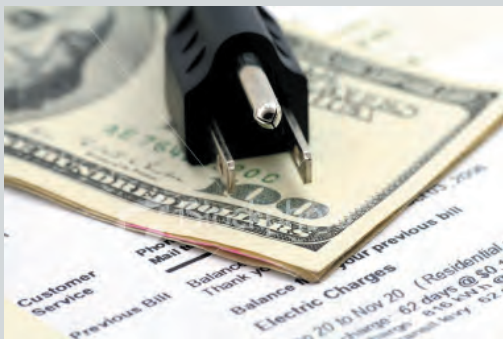


DID YOU KNOW

1 Real Savings...

The absolute best, most cost effective way to save energy dollars and have your systems running right is through retro-commissioning. Owners should have an expert contractor take a holistic look at their facility and systems to review how all systems are operating. Air and water balancing should be performed to NEBB standards. Technical recommendations should be made as to how to improve performance through minor changes, if needed. Retro-commissioning is highly recommended before you invest in new equipment or major changes. Who should you call? MSC is the retro-commissioning expert.



2 Greatest Invention...

The 20th Century was the greatest period of invention for mankind to date. It brought us just about every modern convenience we know and use every day, such as the television, microwave, washing machine dishwasher, etc. In 2000, Life Magazine chose the invention that had the most significant impact on modern society: mechanical air conditioning and refrigeration. This invaluable invention allowed us to store and freeze food, and enabled people to move to, and live comfortably in, warmer climates.

PREVENTIVE MAINTENANCE by the Go-To Guys:

THE BEST DEAL IN TOWN

Preventive maintenance is a very important process that involves much more than cursory filter and belt changes (an all-too-common practice among some of our competitors). Properly administered PM helps keep energy consumption in check, saves money on utilities, and maximizes the life of equipment.

MSC's PM program can save customers countless dollars. Obviously, when equipment is overworking, or running longer than necessary, it costs you money. A good contractor can also make simple cost effective equipment recommendations such as VFDs and sequence changes that save significant energy. Excellent preventive maintenance is the best way to avoid breakdowns and prevent unnecessary emergency calls.

Mission Critical PM

Many of MSC's pharma and biotech clients depend on us to keep their equipment running consistently and without fail. Tight tolerances in temperature, humidity and pressure must be strictly maintained. Systems must also be re-commissioned after shutdown and maintenance so that they are proven to work after maintenance or scheduled replacement. However, for many pharma/biotech clients, energy consumption and saving money wherever possible is open for discussion. This gives MSC a big opportunity to help these clients save money.



MSC has the best-trained, 100% MSCA STAR-certified techs with the best tools to help clients save money in many ways. Please call Applications Engineer Steve Meigh for details at 973-884-5000, ext. 116.

THE MAGIC OF HUMIDIFICATION

A DELICATE BALANCE...

Even though we're still enjoying occasional summer-like days, now is the time to start preparing our indoor systems for the winter. Maintaining proper relative humidity levels in your work and home environments is very important during these cold, dry months.

When air is properly humidified, evaporation of moisture in our skin is reduced, making us feel warmer and more comfortable. Air that is 68 degrees feels more like 71, enabling you to lower the thermostat. Humidified air also significantly reduces our susceptibility to the common cold and respiratory infections, as dry air adversely affects mucous levels. Oxygen in moist air is more easily absorbed into our blood system than the oxygen in dry air; fatigue and lethargy are reduced, and concentration is increased. And the list goes on: Static electricity is dissipated, preventing uncomfortable shocks. Skin and hair are less prone to dryness. Dust levels are reduced. Wood furniture and flooring are less likely to dry and crack. Is your business properly humidified for the winter?

Control of humidity levels in the summer months is equally as important as in winter. Warm air holds more humidity, or grains of moisture, and does not allow the skin's moisture to evaporate as quickly. Too much humidity also provides the opportunity to support mold growth in warm, humid conditions. Air conditioning lowers temperature, but also removes excess moisture from the air as well during the process.



Control of humidity to desirable conditions in both summer and winter is important for comfort, health, energy consumption, and for material items and conditions that surround us.



COOL FRESH AIR

Fall Clean Up...

An important natural time frame to address equipment and maintenance issues is in fall and spring. At season's change, it is time to change your filters and clean your units, condensers and ductwork. Now, in fall, it is time to start the heating and verify that it is working properly. Many times, the spring and summer months have taken a toll on your cooling system more than you may know.



Spring pollen is distributed on your filters and, perhaps, ductwork. Summer air has a higher moisture content and introduces more suspended particles than winter air. Insects and rodents are much more active during summer as well. You should also make sure that, if your equipment has an economizer cycle, you are able to bring in cool, fresh air when needed and not have to run your air conditioning system to change the stale air in your building. Clean up your systems and bring the cool, free fall air.



MSC CERTIFIED SINCE 2006 - Before the STAR is awarded, applicants must demonstrate that they uphold a strict code of business ethics; employ a highly trained and qualified workforce; maintain a superior safety record; and focus on continuing education for all employees. 123 stars now qualified!