HVAC GUIDE FOR EDUCATIONAL INSTITUTIONS

If you run an education institution in the NY metro area, then keeping your space cool in the summer and warm in the winter is properly a top priority. After all, students and staff will be more productive and receptive to learning if their environment is a comfortable temperature year-round. In order to achieve this, you need a local company that can service all of your commercial HVAC needs. From HVAC installation to repairs to maintenance, AFGO Mechanical has got you covered.

Types of HVAC Systems for Educational Institutions

Variant Refrigerant System (VRF)

VRF is a popular choice in educational institutions thanks to zoning systems that provide flexible options when it comes to climate control. This sophisticated system is made up of one outdoor unit and multiple indoor air handlers and control panels. There is also a centralized control panel that allows you to control each air handler from one location, making it ideal for controlling the temperature in multiple classrooms or offices.

Packaged Rooftop Units

For ease when it comes to maintenance and repair schedules, opt for a packaged rooftop unit. These units can both heat and cool your educational institution with the hassle of dealing with two different units. These units are great for schools because they're economical and flexible, and they come pre-engineered.

Central HVAC with Zoning

A central HVAC system installed in your educational institution can handle heating and cooling large spaces with multiple rooms or offices. Zoning will help you control the temperature of different rooms, such as offices or classrooms. This will help you adjust the temperature for different spaces with unique needs.

Maintenance Requirements for Educational Institution HVAC

When it comes to your educational institution in the NY metro area, it's imperative to have your HVAC system functioning properly year-round. The last thing you want is a stifling hot or freezing cold classroom full of kids or office full of staff. Part of avoiding this catastrophe involves schedule regular maintenance. Not only can maintenance catch small issues before they become big ones, but it can also extend the life of your HVAC system, saving you money in the long run. You should get your school's HVAC system serviced in the spring and fall of each year, to make sure it's in tip-top shape for the more extreme weather.

HVAC Design Considerations for Educational Institutions

When designing the HVAC system for your educational institution, keep a few things in mind. The first is noise. If your institution is a school full of kids or even offices of employees, sound is going to play a big role in their ability to focus. You want to choose a system that won't cause a ton of noise when it's running. You'll also want to consider efficiency and zoning. Having the ability to control the temperature in different spaces could save you money in the long run, as could choosing a more efficient unit.

Improving the Efficiency of Your Educational Institute's HVAC System

Costs of running an educational institution can add up quickly. Luckily, your HVAC is an area which you can save some money if you're willing to put in a bit of effort. To help lower your heating and cooling expenses throughout the year, consider the following tips:

- Measure and track your system's energy performance
- Gather an energy-efficiency task force to seek out improvements
- Install high-efficiency HVAC equipment every chance you get
- Keep up with your regular maintenance schedule

Preparing for the Cost of Your Educational Institution's Commercial HVAC System

If you care for your HVAC system properly, it can last you anywhere from 10 to 20 years! That makes the cost of installing the system worth it in the long run. If you are worried about the cost of your new system, however, check out the following criteria that help determine how much your new system will cost.

- Building size
- Your heating & cooling specifications
- The complexity of your installation
- Whether or not you need ductwork
- The efficiency rating and quality of your new system

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