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Variable speed drives

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Variable speed. Substantial savings.

High-efficiency heating and cooling equipment can already help reduce your business' energy use—but incorporating variable speed drives, or VSDs, can help even more.

VSDs work to manipulate the voltage and frequency of the motor inside your equipment to help control the speed more efficiently and effectively. As the load decreases, your savings increase. Even the smallest decrease can make a difference—for example, a 20% reduction in flow can bring **savings of 35% or more.**

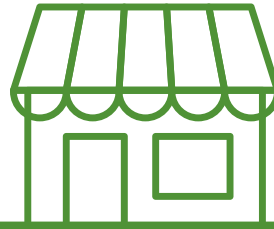


Benefits of VSDs:

- **Decrease energy consumption.**
- **Lower operating costs.**
- **Reduce wear and tear on machines.**

VSDs are best suited for heating and cooling equipment; however, they can also work on boiler draft fans, exhaust fans and manufacturing applications.

The Sponsors of Mass Save® provide incentives for eligible VSDs. Contact your Mass Save Sponsor before purchasing and installing any equipment.



Maintaining your VSD.

To ensure your VSD is working properly now and for years to come, you'll want to provide annual maintenance checks. Check the following each year:



It's running in "Auto" mode



It's modulating based on demand parameters



Variable set points (such as Temperature and Pressure Differential)

Helpful tips:

Be wary of placement. You'll want to have the VSD installed in a dry environment, as moisture can damage the system's circuit boards.

Get your VSD cleaned. Contact a licensed electrician to clean your VSD about twice a year. Dust can reduce airflow, which ultimately affects performance.

To find more ways to save your business energy and money, visit **[MassSave.com/Business](https://www.mass.gov/mass-save/business)**