

What is a Voltage Stabilizer and how they work.

First and foremost, our Voltage Stabilizers do not allow you to regulate/adjust voltage*

Voltage Stabilizers only reduce the voltage on the third leg generated by our Rotary Phase Converters so that it is within +/- 5-10% of the other two legs. They are a proprietary product and not to be mistaken as voltage regulators or VFDs.

Voltage Stabilizers are not to be used as a stand-alone product. It is a product that is meant to be used only in tandem with our Rotary Phase Converters. If you are looking to adjust voltage without our Rotary Phase Converters, the Voltage Stabilizer is not the product you need.

Not every application requires the use of a Voltage Stabilizer. Rotary Phase Converters do not require a Voltage Stabilizer to work. However, Voltage Stabilizers do require our Rotary Phase Converters to work. Some applications where a Voltage Stabilizer is recommended/required are CNC machines, and most machines with electronic controls/digital displays/controls.

If you have any questions regarding our Voltage Stabilizers or need to be sized for one, please click on the 'Sizing Assistance' tab and select the prompt that best suits your needs. Complete the form as best you can, send it to us and a technician will contact you as soon as possible. You are also welcome to call us and ask to speak with the technical support team.

Thank you.

**For small corrections in 3-phase voltage (15-20%) you would have to use a step-down/up transformer. They are commonly known as "buck boost" transformers and you can read more about them on the Transformers tab of our Home Page*