

GO GREEN with CSZ and Save

Environmental chambers utilizing CSZ's patented Tundra® refrigeration systems offer more performance and can save up to 54% in operating costs!

How can CSZ test chambers with the Tundra save operating costs?

Operating costs are reduced compared to a chamber with a cascade refrigeration system since there is only one compressor now needed to run temperatures as cold as -45°C and -54°C . This can provide your company with substantial costs savings.

Energy efficiency for refrigeration compressors is measured by the Energy Efficiency Ratio (EER). Typical EERs at -40°C are:

- Tundra 3.5 EER
- Tundra II 4.6 EER
- Cascade 2.5 EER

What is the Tundra refrigeration System?

Conventional single-stage systems can reliably test product to -34°C . The patented Tundra and new Tundra II systems can efficiently test product to -45°C or -54°C with a single compressor.

Tundra

Tundra is a patented refrigeration system design that uses one compressor and can be used in any CSZ chamber from 3.5 to 15 HP. The Tundra is ideal for testing products down to -45°C . The Tundra is a proven and reliable system that has been in production for over 10 years.

Tundra II

Built off of the original Tundra platform, the Tundra II is a unique refrigeration system design that also uses one compressor and can be used in any CSZ chamber available from 12 to 30 HP. The Tundra II is ideal for larger systems and accelerated testing down to -54°C .

The Tundra system offers the following benefits:

- Increased Performance Capacity - The system offers even greater capacity with rapid temperature change rates and increased live load capability.
- High Reliability - Utilizing proven refrigeration system design that has a single compressor with fewer parts than a cascade system adds to the reliability of the Tundra system. CSZ provides a 3 year part & labor warranty on Tundra chamber compressors.
- Reduced Maintenance Costs - With few parts to service, maintenance cost will be lower.

