

Compact Cycling Chambers

Get fast temperature cycling of 15°C/min or 30°C/min
in a four cubic foot test chamber



EGNZ4 -5NWL - 30°C/m

BTZ-4200 - 15°C/m

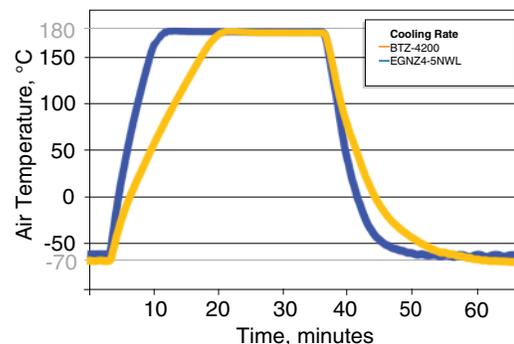
EGNZ4 and BTZ-4200 Comparison

Two new test chambers from ESPEC allow you to get faster temperature cycling done in the smallest footprints.

The BTZ-4200 can achieve 15°C/m ramping with just 208V electrical power...without cooling water or liquid nitrogen.

To go even faster, up to 30°C/min, the EGNZ4-5NWL model utilizes larger heating and a water-cooled refrigeration system.

Both chambers have the same four cubic foot interior size, as well as exterior width. They also have common standard features of stainless steel exterior and interior and high reliable scroll compressors.



Ramping comparison over the full range of each chamber. Your performance will vary based on your settings and loading.

Specification Comparison

Model	BTZ-4200	EGNZ4-5NWL
Temperature Range	-70 to 180°C	-65 to 180°C
Heating Rate	15°C/min	30°C/min
Cooling Rate	15°C/min [13°C/min with 50Hz]	25°C/min [20°C/min with 50Hz]
Interior (W x D x H)	19.6" x 15" x 23.6"	19.6" x 15" x 23.6" (498 x 381 x 600 mm)
Exterior (W x D x H)	31" x 41.5" x 74"	30" x 55.5" x 69.6" (770 x 1409 x 1905 mm)
Live Load Capacity	1000 W at -40°C	2500 W at -50°C
Refrigeration System	Cascade 3-hp Scroll	Cascade 5-hp Scroll
Air Flow	200 CFM	300 CFM
Electrical Supply	208/230V 1Ø 60Hz [230V 1Ø 50Hz]	460V 3Ø 60Hz [380-415V 3Ø 50Hz]
Performance	Air-cooled	Water-cooled

*Change rate per IEC 60068 3-5 with empty chamber, measured at the supply air. Performance assured when room temperature is steady, 18 to 27°C (65 to 80°F).



Interior view of BTZ-4200, the EGNZ4-5NWL is similar.

Criterion BTZ-4200

This model is an extension of ESPEC's popular Criterion benchtop series. It can achieve a change rate of 15°C/m. with a footprint of just 31" x 45". Because it is so small and only requires only electrical utilities, it may be the ultimate portable temperature cycling chamber. A Watlow F4T controller is standard.

Global-N EGNZ4-5NWL

The EGNZ4 models is an engineering feat by ESPEC, bringing the high-performance of our Global-N line to a four cubic foot model with a change rate up to 30°C/m. It is available with P-300 or Web Controller operation.

To learn more about these models:

- [espec.com/na/products/model/btz_4200](https://www.espec.com/na/products/model/btz_4200)
- [espec.com/na/products/model/egnz4_5nwl](https://www.espec.com/na/products/model/egnz4_5nwl)