epGreen®

Go Green.
Join the Centrifuge Evolution!

Energy Saving Right from the Start

Eppendorf recognizes what it means to go “green” by focusing on the development of new features to reduce the energy consumption and to optimize the ecological footprint of our products.

As a commitment to the environment and future generations, we constantly look for ways to improve the eco-friendliness of our products.
The epGreen concept started many years ago when we fitted all our refrigerated centrifuge models with CFC-free refrigerants having a zero ozone depletion potential. Eppendorf equipped the new centrifuges 5418 R, 5424 R, and 5430 R with our latest innovations in cooling technology.

With our new line of microcentrifuges, we have now reached a level of performance and energy efficiency that defines an entirely new laboratory standard. Alltogether, we have considerably reduced the overall energy consumption:

Starting from our factory …
- In production & logistics
- After generational change

… to your lab bench
- While spinning
- During standby
- For FastTemp & FastTemp pro

eppendorf

Moving Centrifuges to a Greener Standard. Ours.

Eppendorf takes centrifugation to the next level and by offering features that go beyond speed and capacity to benefit you, your application, and our environment.

Production & Logistics

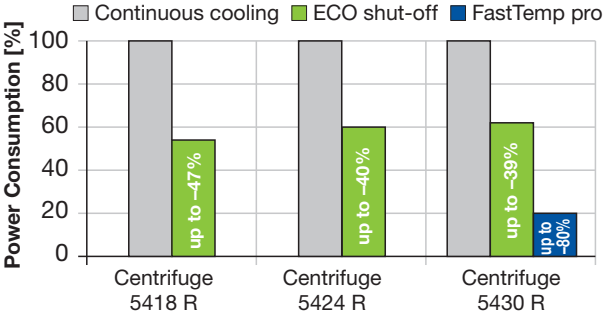
The production of each centrifuge has been optimized in the commitment to maintain a clean environment.

- Within the last 10 years, power consumption per produced centrifuge has been reduced by more than 50 %
- Our centrifuge production site in Germany is certified according to ISO/EN 14001 (key standards for an effective environmental management system)
- Avoiding the use of organic solvents during production processes (reduction of up to 70 %), switch to environment-friendly water soluble varnishes and paints
- Usage of much more efficient insulation foam for refrigerated centrifuges to improve temperature efficiency
- CFC-free refrigerants with an ozone depletion potential of zero
- Since 2005, Eppendorf has reduced air freight by more than 60 % to reduce the CO_2 footprint

Power saving with FastTemp pro*

Up to 47 % power savings (over night) are achieved due to unique ECO shut-off, save up to 80 % power with superior FastTemp pro function (Centrifuge 5430 R)

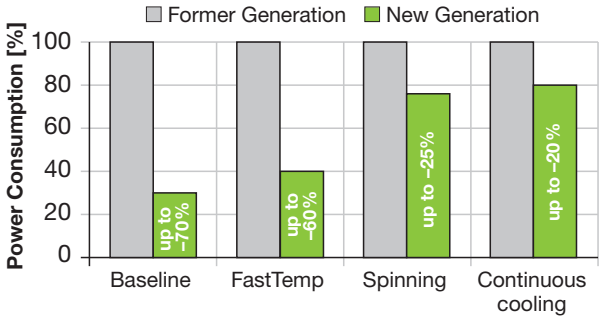
Power saving during cooling over night



Power saving by new generation centrifuges*

Optimized motor systems, light weight rotors, and highly efficient compressor systems for optimized cooling in combination with low energy consumption. Distinct reduction of power consumption from former generation to new generation of microcentrifuges.

Energy saving by generational change of Eppendorf centrifuges



epGreen centrifuge features

- Dynamic compressor control (DCC) for improved cooling performance
- ECO shut-off of compressor engages after 8 h of non-use for power saving and extended compressor life
- Brushless induction motors to provide maintenance-free operation and to avoid carbon particle emissions
- Weight reduction of fixed-angle rotors for less power consumption during spinning
- Rotors made of aluminum, fully recyclable at end of service time

* based on internal testings, 220 V
Errors and omissions excepted; technical specifications subject to change.

Further information available at www.eppendorf.com/centrifugation

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