

Thermo Scientific Nalgene Vacuum Desiccator

Cat. No. 5310-0250

Description

The transparent polycarbonate (PC) cover and polypropylene (PP) base will not shatter or implode at full vacuum when used according to the following instructions and cautions. No solid desiccant will harm the polypropylene base. However, DO NOT use concentrated acids as desiccants.

How to Use

- Attach vacuum tubing to the serrated end of the enclosed white stopcock. We recommend Nalgene 180 clear plastic vacuum tubing, Cat. No. 8000-0145.
- Connect the tubing to a vacuum source.
- Put a desiccant, such as Drierite® in the base.
- Put desiccator plate in place. The unbreakable Nalgene plate (Cat. No. 5312-0230), made of a ceramic-metal composite, is recommended.
- Apply a light coating of stopcock grease (silicone is best) to the upper surface of base rim. Put on cover, apply vacuum, then close stopcock.

This desiccator will hold a vacuum for 24 hours. If there is some initial leakage, apply a little more grease to the rim and tighten stopcock.

- If the desiccator is used for a very light ash in crucibles, release the vacuum gently by opening the stopcock slowly. The baffle minimizes blowing when vacuum is released.
- To remove the cover, hold the knob and twist slightly while lifting. If it doesn't come off easily, the vacuum is not completely broken or too much lubricant has been used.
- The unit will withstand full vacuum.

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*Contact information contained within
this document may be incorrect.

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CAUTION

The desiccator is designed for normal vacuum operation between 15°C and 40°C. Hot crucibles placed on the plate, however, will not harm the unit.

- Use ONLY at room temperature.
- DO NOT autoclave the desiccator.
- DO NOT expose the polypropylene bowl to temperatures below freezing.
- Polycarbonate is attacked by some solvents and their vapors. DO NOT expose it directly to the following chemicals or their vapors; strong bases, esters, aromatic or halogenated hydrocarbons, ketones.

Care and Cleaning

With its rugged construction, the Nalgene desiccator is designed to last a long time. DO NOT expose the cover to organic solvents. To clean the unit, use a warm soap or detergent solution and rinse thoroughly. DO NOT use alkaline or abrasive cleaning agents.

For more information contact Nalgene Technical Service at the numbers listed below.

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