

Digital Vacuum Ovens

- Controlled temperature and vacuum conditions.
- Temperatures up to 240°C.
- Analogue and digital models available.
- Corrosion resistant sturdy stainless steel construction.
- Many applications.
- Available in 3 sizes.
- Unique cross-flow ventilation.
- True vacuum valves.
- Interchangeable door gaskets.
- CE approved.



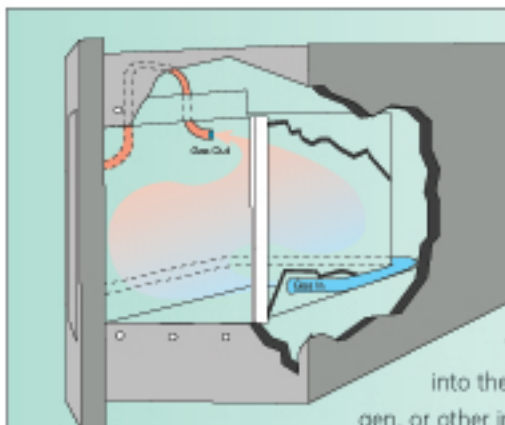
MODEL 1425

Vacuum ovens are used for a wide variety of vacuum drying, curing, and moisture content testing. Common applications include drying heat sensitive samples, moisture determination, and drying samples under a controlled atmosphere. All Townson and Mercer vacuum ovens are

specifically designed for unparalleled performance when utilised for these, and other, applications.

Since there is no air in the vacuum chamber, heat is transferred from the heating elements to the interior chamber wall,

then to the shelves, and finally to the samples. To minimise conductivity resistance, aluminium shelves are provided with all the vacuum ovens. The oven chambers are wrapped in high temperature insulation which aids overall performance and promotes energy efficiency.



All vacuum ovens feature a unique cross-flow ventilation design to ensure superior performance. The vacuum port is located inside the chamber on the top, left side, while the vent port is located on the bottom right side of the chamber. Therefore, during vacuum operation, heavy particles or condensation from the oven interior are not pulled into the vacuum pump. More importantly, nitrogen, or other inert gas, is forced across the greatest distance inside the oven chamber, passing over your samples, and purging the chamber. Corrosion resistant stainless steel tubing is used for the gas purge piping system.

Townson and Mercer offers a range of high performance, microprocessor controlled models. All models include unique design features which enhance the overall performance of the ovens. These features include durable construction with corrosion resistant stainless steel chambers, true vacuum valves, cross-flow ventilation through the oven chamber, and interchangeable door gaskets for application specific use. Independent, resettable circuit breakers prevent any electrical overload.