

# Digital Vacuum Ovens

## DIGITAL MODELS FOR TOP PERFORMANCE AND ACCURACY

Townson and Mercer offers the Models 1425, 1445 and 1465 digital vacuum ovens. Our PID (Proportional Integral Differential) controller delivers precise temperature stability and uniformity. A touchpad control panel provides easy parameter setup and even temperature calibration. Both setpoint and actual chamber temperatures are digitally displayed.

The chamber door is vented to allow cooler ambient air to infuse the plenum surrounding the inner chamber. This provides a cooler surface temperature while still maintaining optimum temperature control and accuracy inside the oven chamber. The door is secured with a positive latch handle to ensure a good vacuum.

## OPTIONAL GASKETS

The standard gasket supplied with all models is made of highly resistant sili-



MODEL 1445

cone rubber. Also available as optional accessories are application-specific gaskets. The BUNA-N gasket is available for solvent applications and is limited to a maximum temperature of 160°C. The VITON-B gasket is available for applications involving acids.

SPECIFICATIONS			
Control	Digital	Digital	Digital
Chamber capacity	16 litres	47 litres	127.5 litres
Temperature range	+10 - 240°C	+10 - 240°C	+10 - 240°C
Temperature uniformity	±2.0	±2.0	±2.5
Heat up time, minutes	35 @ 100°C	45 @ 100°C	65 @ 100°C
Shelves supplied	3 aluminium	3 aluminium	3 aluminium
External dimensions, HDW mm	584 x 483 x 432	660 x 686 x 508	813 x 787 x 660
Internal dimensions, HDW mm	229 x 305 x 229	305 x 508 x 305	457 x 610 x 457
Watts / Amps - 110 Volt	850 / 7.0	1100 / 9.0	1500 / 12.5
Watts / Amps - 230 Volt	850 / 3.5	1100 / 4.5	1500 / 6.5
Cycle	50/60 Hz	50/60 Hz	50/60 Hz
Phase	Single	Single	Single

\* All models available in both 110V and 230V. \* Ovens operate at 5°C above ambient to maximum temperature.