

STVO-1600-181818 Versatile High Temperature Box Furnace for Oxygen Atmosphere/Vacuum Spec Sheet

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| STVO-1600-181818 | <ul style="list-style-type: none"> • 1600C Continuous Operating Temperature Under Oxygen Atmosphere • 1600C Continuous Operating Temperature in 10⁻² Torr Vacuum |
| Chamber Dimensions | <ul style="list-style-type: none"> • 18”(W) x 18”(H) x 18”(D) |
| Power | 30 KW |
| Max. Current | 90A |
| Voltage | 208V/240V |
| Uniformity at 1600 °C | +/- 5°C |
| Max. Heating Rate | 10-15°C/minute depending on load volume |
| Temperature Control | <ul style="list-style-type: none"> • Eurotherm Nanodac controller/Recorder • 100 Program, 20 segments PID Programmable • +/- 1 °C temperature accuracy. • B type Platinum Rhodium long lasting thermocouple • Oxygen mass flow controller to control single line of gas flow from 0-50 liter per minute. Also includes controller system to control the gas flow rate |
| Max Vacuum (Torr) | 10 ⁻² Vacuum |
| Net Weight | 2860 lbs |
| Overall Dimensions | Furnace Vessel: 62”(L) x 39”(W) x 74”(H) Controller Box: 22” (L) X 25” (W) x 64” (H) |
| Warranty | <ul style="list-style-type: none"> • One year warranty on electronic parts |
| Comes equipped with | <ul style="list-style-type: none"> • Welch Duo-Seal Vacuum Pump for oxygen applications • GE Oxygen Sensor • Vacuum Pressure Sensor with Control System • UL/CSA Certified Parts in Control System • Advanced energy Power SCR system |