

## STV-1600-121216 Versatile High Temperature Box Furnace for Atmosphere/Vacuum Spec Sheet

STV-1600-121216	<ul style="list-style-type: none"> <li>• 1600C Continuous Operating Temperature In Air/Argon</li> <li>• 1400C Continuous Operating Temperature in 10<sup>-2</sup> Torr Vacuum</li> </ul>
Chamber Dimensions	<ul style="list-style-type: none"> <li>• 12"(W) x 12"(H) x 16"(D)</li> </ul>
Power	15 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"> <li>• Yudian Temperature Controller</li> <li>• 1 Program, 30 segments PID Programmable</li> <li>• +/- 1 °C temperature accuracy.</li> <li>• B type Platinum Rhodium long lasting thermocouple</li> <li>• Optional Controllers: <ul style="list-style-type: none"> <li>○ Eurotherm 2404</li> <li>○ Eurotherm 3404</li> <li>○ Eurotherm Nanodac Controller/Recorder</li> </ul> </li> </ul>
Max Vacuum (Torr)	10 <sup>-2</sup> Vacuum
Net Weight	1400 lbs
Overall Dimensions	55"(L) x 41"(W) x 75"(H)
Warranty	<ul style="list-style-type: none"> <li>• One year warranty on electronic parts</li> </ul>
Optional Items	<ul style="list-style-type: none"> <li>• Vacuum Pump</li> <li>• GE Oxygen Sensor</li> <li>• Vacuum Pressure Sensor with Control System</li> <li>• PC Data Logger (records temperature from Thermocouple to PC files).</li> <li>• UL/CSA Certified Parts in Control System</li> <li>• 3 Year Extended Warranty on all electronic parts (not including shipping)</li> <li>• 5 Year Extended Warranty on all electronic parts (not including shipping)</li> </ul>