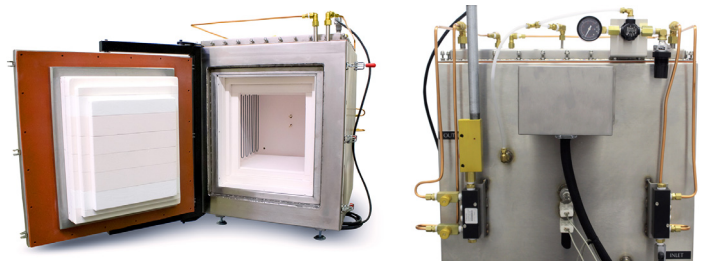


# Series 3350 High Temperature Controlled Atmosphere Box Furnace

ATS has designed and built a custom version of our standard Series 3350 High Temperature Box Furnace. Unique to this unit is the ability to hold an atmosphere – whether argon or nitrogen. The system is designed to purge the furnace of air and backfill with argon, which is delivered from a customer supplied argon tank. This design provides the customer an affordable way to operate the furnace without oxygen present, allowing them to avoid buying an additional vacuum furnace.

Capable of reaching temperatures up to 1700°C, this custom Series 3350 High Temperature Box Furnace is constructed from heavy gauge stainless steel with leveler mounts. A modified shell with water cooled seals was designed to contain the inert atmosphere, and a water manifold with valves provided independent control at each section of the furnace that require water cooling.



## Features

- Molybdenum Disilicide elements.
- Single end door with hardened vacuum cast insulation.
- Flow switch provides automatic power down due to flow loss
- 2-Type B thermocouple with insulator, connector, and 2-Sealing gland for power connections
- Low range relief valve, 2 psi
- Roughing Pump: 3.2 dfm with mist eliminator, valve, and gauge
- 2-Gas Ports: 1/4 in. dia., inlet and outlet
- Optional load train ports for use on tensile testing machines

## Product Specifications

Internal Dimensions	10 in. W x 10 in. H x 11 in. D
External Dimensions	21.5 in. W x 25.5 in. H x 22.5 in. D
Power Requirements	7200 Watts - Unit must run on 160 VAC @ 45 amps and requires a current limiting device for control.

\*Other sizes available upon request