

Inert Oven

Suitable for No Oxidation Environment

DN411IE/611IE

MADE
IN
JP

Operating temp.
range Room temp. +15°C~360°C

Temp.
gradient 12°C (at 360°C) (411IE) / 20°C (at 360°C) (611IE)

Internal
capacity

95L (DN411IE)
223L (DN611IE)

Suitable for Curing Process in No Oxidation Environment



Inert oven suitable for temperature test and heat treatment in a non-oxidizing environment, by introducing N₂ gas into chamber.

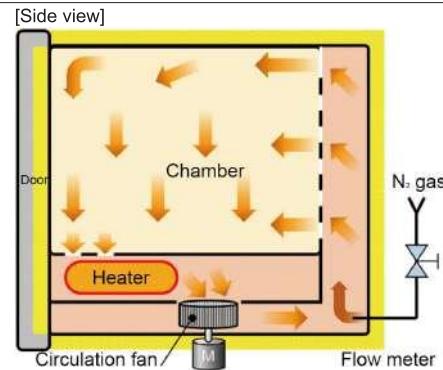
Operation and functions

- Heat resistance test and heat treatment of up to 360°C
- Simple operation by interactive key input
- Standard equipped with various operation modes such as program operation and calibration offset function, power failure recovery mode selection, and user configuration information saving
- Repeatable operation function up to maximum 99 steps, 99 patterns controller with repeat function
- N₂ gas flow amount controllable

Safety features

- Enhanced safety countermeasure, including self-diagnostic functions, digital setting independent overheat prevention device and electric leakage breaker
- In case of door opening during operation, fan and heater turn off by door switch

Method



Control Panel



Overheat Prevention Device



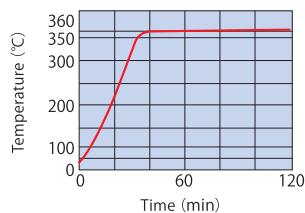
N₂ Gas Entrance Port (ø9mm)



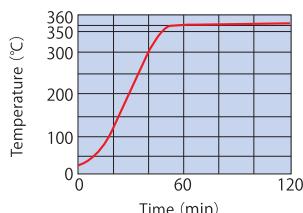
* N₂ introduction rate 20L/min.

Temp. Rising Curve (AC220V 50Hz Room temp.23°C)

DN411IE

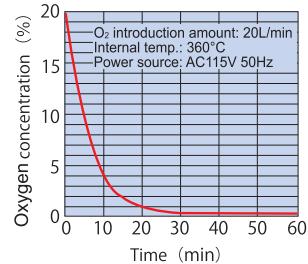


DN611IE

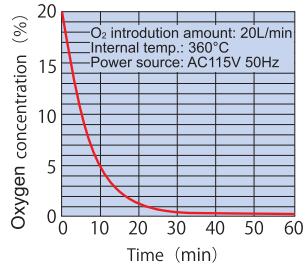


O₂ Gas Substitution Performance Curve

DN411IE



DN611IE

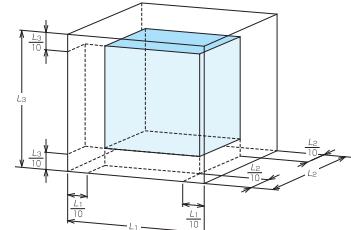


9 Points Distribution Reference Data

	Top right back	Top left back	Top right front	Top left front	Bottom right back	Bottom left back	Bottom right front	Bottom left front	Center
DN411IE	359	358	363	361	359	359	359	356	359
DN611IE	361	357	362	357	359	355	350	350	357

Conditions:

1. Measured by 9 points including 1/10 distance to the opposite wall and center measuring point according to internal dimensions.
2. Room temperature 23°C, AC220V, 50Hz, Setting at 360°C, Average temp. during stable state.
3. No load, 2 shelf plates installed.



Optional Items

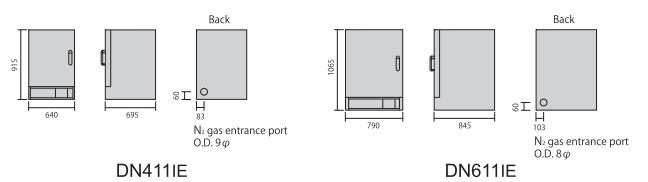
Description	Product code
Stand OH41(for DN411IE) OH61(for DN611IE)	212477 212478
Shelf (with brackets 2 pcs.)	
Stainless wire (loading up to 30 kg/shelf) ODQ10 for DN411IE	211063
ODQ20 for DN611IE	211064
Stainless punching metal shelf (loading up to 15kg/shelf) ODQ30 for DN411IE	211098
ODQ40 for DN611IE	211099
*Temperature output terminal ODH18	212976
*External alarm output terminal ODH22	212977
*Time up output terminal ODH24	212978
*Operation signal output terminal ODH26	212979
*Event output terminal ODH28	212980

* Customized from factory. Please specify when ordering main unit.

Interior



Dimensions (Unit:mm)



Attention

- Never use in flammable or explosive gas atmosphere
- Never use explosive or flammable materials
- Caution: High temperature components

Stand (Optional Item)



DN611IE+ Stand (Optional Item)