

# Drying oven FM-DO-A105



## Description :

Drying oven FM-DO-A105 is a floor standing type oven with 620 L chamber capacity. Superior temperature uniformity controlled by PID microprocessor. It provides fast ramping rate and stability during operation. It comes with ambient temperature + 10°C to 300°C temperature range and platinum gold resistor PT100 temperature sensor. Equipped with stainless steel chamber, outer shell of steel with plastic coating and three layer toughened glass observation window. It is suitable for industrial and mining enterprises, laboratories and scientific research institutes for desiccation, torrefaction, wax-melting and sterilization.

## Specifications :

Chamber volume	620 L
Method	The aplomb forces convection
Temperature range	Ambient temperature + 10 to 300°C
Temperature accuracy	±1 at 100°C
Temperature fluctuation	± 1°C
Temperature uniformity	± 2.5 at 100°C
Temperature controller	(The PID microprocessor controls, touch type, numeral manifestation)
Temperature sensor	PT100 (Platinum gold resistor PT100)
Timer	Wait on time, wait off time (Maximum: 99 h, Minimum: 1 min)
Environmental condition	Temperature 5 to 30°C
Maximum relative humidity	Maximum relative humidity 80%

Altitude	up to 2000 m
Internal material	304 stainless steels
External material	08F (Iron 08F)
Number of shelves (Standard/Maximum)	2/4
Shelf dimension	790 mm × 564 mm
Power	3970 W
Power supply	AC 380 V, 50 Hz
Internal dimension	800 × 600 × 1300 mm
External dimension	970 × 760 × 1750 mm
Net weight	250 kg

## Features :

- Floor standing type
- Microprocessor PID control system
- Vertical force convection and bottom heating
- Exhaust fan for temperature uniformity in chamber
- Corrosion resistance stainless steel chamber
- Platinum gold resistor PT100 temperature sensor
- Steel outer shell with static plastic spraying
- Three layer toughened glass observation window
- Adjustable stainless steel shelves
- Self-diagnostic dynamic control technology
- Temperature controller with sensor malfunction and low/ high temperature deviation alarm

## Applications:

Used for glassware desiccation, laboratorial sample, food, chemical materials heat denaturalization, heat induration, moisture elimination, biomedical and other instruments sterilization; electronic components torrefaction and aging.

## Accessories Optional:

Accessories no.	Accessories name	Unit
1	Motor	1
2	Sealing ring	1
3	Temperature controller	1
4	Plastic handle	1
5	Stainless steel handle	1



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