

# Vacuum Oven FM-VO-A103



## Description :

Vacuum Oven FM-VO-A103 comes with 210 L chamber capacity and ambient + 5 °C to 250°C temperature range. Features independent vacuum valve, purge needle valve and 4-Sided heating (top, bottom, left and right) with aluminium plates for excellent temperature uniformity during fast heating. Equipped with over temperature protector with neon indicator based on capillary temperature switch. Vacuum take-off hose barb of 3/8" located inside the oven which is well protected. Used for drying sensitive substances that may be damaged by excessive heat.

## Specifications :

Chamber volume	7.5 cu ft. (210 L)
Temperature range	Ambient + 9°F to 482°F (ambient +5 °C to 250°C)
Temperature fluctuation	Better than +/- 0.9°F (0.5°C)
Temperature accuracy	± 1°F (0.5°C)
Time range	1 to 9999 minutes
End Vacuum level	Better than 29.9 in Hg / 500 m Torr / 0.7 m bar
Vacuum take-off port	KF 25 Connection
Door gasket material	Silicone (Optional Viton)
Observation window	1/2" thickness tempered glass and 1/8" thickness polycarbonate
Chamber material	Stainless Steel 304
Quantity of tray (Standard/Max)	5 (non-adjustable)

Tray material	Aluminium tray
Power	2500 W
Power supply	AC 115 V $\pm$ 10%, 50 to 60 Hz (Optional 230 V)
Interior dimension (W $\times$ D $\times$ H)	570 $\times$ 540 $\times$ 640 mm
Exterior dimension (W $\times$ D $\times$ H)	860 $\times$ 740 $\times$ 900 mm
Gross weight	220 kg

## Features :

- Fine-tuning stainless steel 304 needle valve
- 3/8" stainless steel 304 hose barb for air or inert gas backfill
- 4-sided heating (top, bottom, left, right)
- Lab grade vacuum gauge with SS 316 L tube /socket (in both Hg and bar reading)
- Large LCD display
- Over temperature protection with neon indicator
- Electro-polished SS304 vacuum chamber with no welding
- Electro-plated aluminium casting door handle
- Removable internal fixture and plates

## Applications:

Used in laboratory research, engineering, and industry for drying sensitive substances that may be damaged by excessive heat.

## Accessories Optional:

Accessories no	Accessories name	Unit
1	30 segment ramp & soak programmable temperature controller	1
2	Custom LED on the oven window	1
3	Premium quality stainless steel 304 flexible vacuum bellow, 3.3 feet	1
4	Clamp, stainless steel 304	1
5	O-ring	1
6	Stainless steel 304 3-way T connector	1
7	Stainless steel 304 4-way cross connector	1
8	3/8" hose barb adapter	1
9	In-line dry ice / liquid nitrogen cold trap (1 L)	1
10	In-line dry ice / liquid nitrogen cold trap (2 L)	1



**Email :** [info@fison.com](mailto:info@fison.com) | **Website :** [www.fison.com](http://www.fison.com)