

Vacuum oven XF range



Vacuum oven
XF240 with options

These ovens are easy to use and gather functional and practical equipments.

They are suitable for processes such as mild drying of sensitive products, as thermal treatment of materials that can oxidize, as fast drying of powders and granules, as well as in laboratories as in pharmaceutical, cosmetic, plastic, electronic, chemical or food industries.

- Temperature range : from 20°C above ambient up to 200°C or 300°C as an option
- Regulator digital display accuracy : 0,1°C
- Regulation stability better than $\pm 0,2^\circ\text{C}$
- Temperature measurement : Pt100 probe set inside the useful volume enabling to display a temperature that is the closest to the one of the tested product

Dimensions (mm)	Chamber useful			Chamber overall			Useful volume (dm ³)	Unloaded weight (kg)
	W	D	H	W	D	H		
XF 020	250	320	250	410	530	515	20	44
XF 050	320	500	320	530	710	635	51	70
XF 120	470	500	470	750	775	840	112	149
XF 240	470	1000	470	750	1275	840	223	230

Model	Electrical supply 50Hz (V)	Power rating (W)
XF 020	230 mono	500
XF 050		1005
XF 120		2010
XF 240		3015



Construction

4 volumes of vacuum oven are available, from 20 litres to 240 litres. Control panels are on the top part of the ovens to minimize their size.

The inner casing, in very thick stainless steel (4mm) and strengthened for 120 and 240 models, is particularly corrosion-proof. The outer casing is made of galvanized sheet, coated with epoxy light grey paint (RAL 7035).

No contact between inner and outer casings and an optimized insulation minimize heat dissipation and ensure low surface temperatures.

Walls and door are insulated with 70mm thick glass wool or rock wool and asbestos-free.

The door is made of a thick safety glass viewing window (from 8 to 15mm according to models).

The silicone gasket is easy to dismantle or to change.

Heating

Stainless steel screened flat resistances are distributed around the cabinet to provide with the best temperature homogeneity possible.

Static relays switch on the heating without contact nor interference.

As an option, heating can be ensured by one or several heating plates (except for XF020).

Pressure measurement

Inside pressure is indicated by an analog vacuum meter, graduated between 0 and -1 bar.

As an option, a piezoelectric probe can digitally display the pressure with a 1mbar resolution.

Regulation, control

The temperature is measured by a Pt100 probe.

The PID C3000 electronic regulator digitally displays the setpoint temperature and the measured temperature.

3.1 security

An independent, and adjustable, class 3.1 safety thermostat shuts down the heating in case of failure of the main regulation system and ensures the safety of the oven and its load.

Equipment

Holders and plates can be set on many levels.

Vacuum ovens are delivered with a stainless steel perforated plate and its two holders.

Options (to be ordered with the oven)

OG9001	Extension of max temperature up to 300°C	OG9021	Cycles programmer (4 prog. of 16 segments)
OG9002	Outer casing in brushed finish stainless steel	OP0001	Temperature sound alarm
OG9004	Special outer casing colour (indicate RAL)	OP0037	Micro-leak valve
OG9007	Class 2.1 additional safety thermostat	OP0046	Piezoelec pressure sensor and digital display
OG9014	1 temperature portable paper recorder	OP0051	Additional Pt100 probe and connector
OG9015	2 temperatures portable paper recorder	OP0093	Pressure regulation with digital display
OG9016	Unit for vacuum pump		Heating plate

Contact us for specific dimensions or any other options (heating plates, 10[°] secondary vacuum)