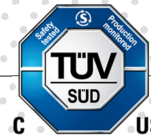


# Vacuum Drying Oven

Benchtop to Floor Type Vacuum Drying Oven

**SDP300/310/400/410/610**



Operating temp. range	RT +10~220°C (SDP300/310/400/410)	RT +15~220°C (SDP610)	Operating vacuum range	-10 ~ 101 kPa	Capacity	47.2L (SDP300/310)	127.4L (SDP400/410)	264L (SDP610)
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**Provides exceptional capabilities for fast and gentle drying of heat-sensitive materials**

## Features

- Digital vacuum gauge shows chamber vacuum level
- Watlow controller that can be programmed to perform multiple ramp and soak profiles
- Doors with positive latch handles with spring-loaded glass to facilitate good vacuum seal
- Tempered glass viewing window allows for safe, continuous monitoring of samples
- Generous usable shelf area
- Achieve impressive vacuum levels
- Built-in overtemperature protection
- Meets TUV safety requirements



**47L**  
SDP300/310



**127L**  
SDP400/410

## Specifications

Model	SDP300 SDP310	SDP400 SDP410	SDP610
Operating temperature range	Room temperature +10°C ~220°C		Room temperature +15°C ~220°C
Operating vacuum range	-3.0 ~ -29.9 inHg (-10 ~ 101 kPa)		
Vacuum display range	0.0 ~ -29.9 inHg (5 to -101 kPa)		760 Torr down to 0 mTorr
Controls	EZ-ZONE Watlow		
Access port	KF25		
Temperature uniformity - midrange	± 6.0% of setpoint		
Temperature stability	@ 80°C	± 0.1°C	± 0.2°C
	@ 150°C	± 0.20°C	± 0.25°C
	@ 220°C	± 0.3°C	± 0.3°C
Heat up times (from RT of 20°C for SDP300/400) (from RT of 25°C for SDP610)	@ 80°C	70 mins.	80 mins.
	@ 150°C	120 mins.	130 mins.
	@ 220°C	200 mins.	180 mins.
Cool down times (time to cool down to 50°C)	From 80°C	110 mins.	---
	From 150°C	188 mins.	---
	From 220°C	233 mins.	---
Controller	Digital		
Display resolution	0.1 °C		
Interior material	300 SST		
Exterior material	Painted cold roll steel		
Standard chamber gasket	Silicone		Viton
Internal dimensions	W304 x D508 x H304 mm 12 x 20 x 12 in.	W457 x D610 x H457 mm 18 x 24 x 18 in	W710 x D609 x H609 mm 28 x 24 x 24 in
External dimensions	W528 x D795 x H681 mm 20.8 x 31.3 x 26.8 in	W686 x D895 x H833 mm 27.0 x 35.2 x 32.8 in	W965 x D1189 x H1624 mm 38.1 x 46.8 x 63.9 in
Internal capacity	47.2L	127.4L	264L
Shelf dimensions (WxD)	287 x 483 mm (11.3" x 19")		
Shelf capacity by weight per shelf *1	15.8 kg		34 kg
Maximum total load *2	47.6 kg.		102 kg
Shelf rest step number	3 steps	6 steps	3 steps
Power source 50/60 Hz	AC110 - 120V 10A AC220 - 240 5.5A	AC110 - 120V 13A AC220 - 240V 7A	AC230V 20A (no plug)
Weight	~83kg	~144kg	~223kg
Included accessories	3 shelves (2 tall, 1 short bottom), 1 power cord, 4 leveling feet	3 shelves, 12 shelf clips, 1 power cord, 4 leveling feet	3 shelves, 12 shelf clips, 4 leveling feet, oil drain tray

\*1 With weight evenly distributed across the shelf

\*2 Exceeding this limit risks damaging chamber liner