Ovens up to 300 °C, also with Safety Technology According to EN 1539

With their maximum working temperature of up to 300 °C and forced air circulation, the ovens achieve a very good temperature uniformity. They can be used for various applications such as e.g. drying, sterilizing or warm storing. Short delivery times from stock are ensured for standard models.

Oven TR 450

Standard Equipment

- Tmax 300 °C
- Working temperature range: + 20 °C above room temperature up to 300 °C
- Ovens TR 30 - TR 420 designed as tabletop models
- Ovens TR 450 - TR 1050 designed as floor standing models
- Horizontal forced air circulation results in temperature uniformity according to DIN 17052-1 better than +/– 5 °C in the empty oven (with closed exhaust air flap) see page 71
- Stainless steel furnace housing, material no. 1.4016 (DIN)
- Stainless steel chamber, alloy 304 (AISI)/(DIN material no. 1.4301), rust-resistant and easy to clean
- Charging in multiple layers possible using removeable grids (number of removeable grids included, see table to the right)
- Large, wide-opening swing door, hinged on the right with quick release for models TR 30 - TR 240 and TR 450
- Double swing door with quick release for models TR 420, TR 800 and TR 1050
- Ovens TR 800 and TR 1050 equipped with transport castors
- Infinitely adjustable exhaust at the rear wall with operation from the front
- PID microprocessor control with self-diagnosis system
- Models TR .. LS: Safety technology according to EN 1539 for charges containing liquid solvents, achievable temperature uniformity +/– 8 °C according to DIN 17052-1 in the empty oven (with closed exhaust air flap) see page 71
- Controller R7 (resp. C450 for TR ..LS), alternative programmable controllers see page 75

Oven TR 120 LS with safety technology according to EN 1539 for charges containing liquid solvents

Additional Equipment

- Over-temperature limiter with adjustable cutout temperature for thermal protection class 2 in accordance with EN 60519-2 as temperature limiter to protect the oven and load
- Fan speed of the air circulation fan can be reduced infinitely
- Window for charge observing
- Further removeable grids with rails
- Side inlet
- Electrical rotary device (associated sample holder will be individually adapted to the charge)
- Exhaust air duct DN 80
- Transport castors for models TR 240 - TR 450
- Upgrading available to meet the quality requirements of AMS 2750 E or FDA

Oven TR 240

Oven TR 1050 with double door

Model	Tmax	Inner dimensions in mm			Volume	Outer dimensions[1] in mm			Connected	Electrical	Weight	Minutes	Grids	Grids	Max.
	in °C	w	d	h	in l	W	D	H	load in kW	connection*	in kg	to Tmax[2]	included	max.	total load[3]
TR 30	300	360	300	300	30	610	570	665	2.6	1-phase	45	25	1	4	80
TR 60	300	450	390	350	60	700	610	710	3.1	1-phase	90	25	1	4	120
TR 60 LS	260	450	360	350	60	700	820	710	5.3	3-phase	100	25	1	4	120
TR 120	300	650	390	500	120	900	610	860	3.1	1-phase	120	45	2	7	150
TR 120 LS	260	650	360	500	120	900	820	870	6.3	3-phase	120	45	2	7	150
TR 240	300	750	550	600	240	1000	780	970	3.1	1-phase	165	60	2	8	150
TR 240 LS	260	750	530	600	240	1000	990	970	6.3	3-phase	180	60	2	8	150
TR 420	300	1300	550	600	420	1550	815	970	6.3	3-phase	250	60	2	8	200
TR 450	300	750	550	1100	450	1000	780	1470	6.3	3-phase	235	60	3	15	180
TR 450 LS	260	750	530	1100	450	1000	990	1470	12.6	3-phase	250	60	3	15	180
TR 800	300	1200	670	1000	800	1470	970	1520	6.3	3-phase	360	80	3	10	250
TR 1050	300	1200	670	1400	1050	1470	970	1920	9.3	3-phase	450	80	4	14	250

[1]External dimensions vary when furnace is equipped with additional equipment. Dimensions on request
[2]In the empty and closed oven, connected to 230 V 1/N/PE resp. 400 V 3/N/PE
[3]Max load per layer 30 kg

*Please see page 75 for more information about supply voltage

Oven TR 30 with observation window

Extricable metal grids to load the oven in different layers

Electrical rotating device (in this case with tailored platform for PARR autoclave containers)