

**Heratherm Advanced Protocol Ovens****Thermo Scientific****Heratherm Advanced Protocol Ovens**

The series provide bench-top models with 60, 100 or 180 l as well as floor models with 400 or 750 l chamber volume and 3 different fittings, each optionally with gravity or mechanical convection.

- Very high energy efficiency, environmentally friendly materials (reduced use of formaldehyde), reduced heat emission
- Programmable timer
- Small footprint
- Flexible shelf system doubles the number of shelves and therefore the footprint
- Very good spatial and temporal temperature stability
- Automatic visual and acoustic over-temperature alarm
- Very low temperatures at outer wall
- Easy to read vacuum fluorescent display
- Intuitive user interface for setting temperature
- Easy cleaning due to edgeless fabrication

Heratherm General Protocol:

Perfect for routine daily work from 10 to 250 °C. Chambers made from corrosion-resistant st. steel with rounded corners. Timer, mechanical exhaust vent as well as 2 shelves are incl. as standard.

Heratherm Advanced Protocol:

For a greater flexibility and accuracy of temperature values. With V2A st. steel interior, works up to 330 °C at highly stable temperatures. Digital timer for daily or weekly On / OFF cycles. Up to 10 cycles can be stored and combined as ramps. Fan speed and air valve can be integrated into ramp programming. Selectable quick start function allows for extremely fast heating.

Heratherm Advanced Protocol Security:

Additional to equipment of the Advanced Protocol series: under-temperature alarm for improved sample protection. With door lock and door alarm to prevent disruption and allow for safe cultures for a long time. Optional auto-dry function deactivates oven when the samples are dry. The V2A inner chamber can be supplemented by a st. steel outer



housing for pharmaceutical and clinical applications.

Specifications

Power supply: 230 V, 60 Hz

Temperature range: 10 to 250 °C (General Protocol / Advanced Protocol floor models)

10 to 330 °C (Advanced Protocol benchtop models / Advanced Protocol Security)

As well as incorporating all the benefits of Thermo Scientific Heratherm General Protocol ovens, the Heratherm Advanced Protocol range boasts additional features providing even more flexibility, accuracy and dependability.

- Sophisticated timer extends the automation options available to the user: turn on or off after a pre-set time, choose between a recurring weekly timer or run oven based on the 24 hour clock
- Highest level of temperature uniformity
- Exceptionally low energy consumption - 60 litre models just need 170W (gravity convection) and 275W (mechanical convection) per hour to maintain 150°C
- Adjustable fan speed for application related airflow
- Programmable controller for temperature ramps and dwells (store up to 10 programs with 10 discrete steps, features electronically controlled fan speed and damper position)
- Access port allows the introduction of sensors for independent data monitoring
- A simple calibration routine ensures temperature accuracy over time
- Boost function enables rapid heating up - no need to run the oven 24/7 (tabletop models only)
- Optional stainless steel exterior

The number of shelves included in the scope of delivery is listed in the table.

Specifications

Type designation:

OGH = Natural convection

OMH = Forced air circulation

Temperature range: 10 to 330 °C

Power supply: 230 V / 50 Hz



Code	Description	Packaging
LLG09534158	Heratherm Oven OMH400 SS 400 Ltr., mechanical convection, stainless steel housing, 230 V, 50/60 Hz	
LLG04009215	OVEN AP 60L SS 230V - OGH60 SS	
LLG09534165	Heratherm Oven OMH750-3P 750 Ltr., mechanical convection, 400 V 3/N/PE, 50/60 Hz	
LLG09534157	Heratherm Oven OMH400 400 ltr., mechanical convection, 230 V, 50/60 Hz	
LLG09534162	Heratherm Oven OMH750 750 ltr., mechanical convection, 230 V, 50/60 Hz	1 pz
LLG04009214	OVEN AP 180L 230V - OGH180	
LLG04009217	OVEN AP 180L SS 230V - OGH180 SS	
LLG04009212	OVEN AP 60L 230V - OGH60	
LLG04009213	OVEN AP 100L 230V - OGH100	1 pz
LLG04009216	OVEN AP 100L SS 230V - OGH100 SS	
LLG09534163	Heratherm Oven OMH750 SS 750 Ltr., mechanical convection, stainless steel housing, 230 V, 50/60 Hz	1 pz



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