



OptoTech

# OLF OptoHeat 60/90

Furnace for Curing Coatings on Ophthalmic Lenses



The OLF OptoHeat furnaces are specially designed for curing coatings on ophthalmic lenses after the hardcoating process. The system is available in 2 different versions, making it suitable for labs of any size.



## Technical data

	OLF OptoHeat 60/90
Application	Furnaces for Curing Coatings on Ophthalmic Lenses
Average Air Velocity	Approx. 0.6 m/s
Circulating Airflow	Approx. 1200 m <sup>3</sup> /h
Connection Voltage	3/N PE AC 400V +/- 10%, 50 Hz
Control Accuracy	+/- 2.5K
Exhaust Airflow	Approx. 138 m <sup>3</sup> /h
Heating Power	7.2 kW
Heating Time	From room temperature to 150°C in 20 min
Oven Capacity	Up to 10 shelves (40 lenses per shelf at 70mm)
Recovery Time	Back to 150°C after 30s door opening in 2 min
Vapour Space Volume	502 litres
Working Chamber Dimensions	600mm x 600mm x 900mm (WxDxH)
Working Space Volume	324 litres
Working Temperature	150°C
Power Requirement (others on request)	8 kW
Dimensions	Width: 1000 mm, Height: 1890 mm, Depth: 1170 mm
Weight (approx.)	350 Kg
Disclaimer	All data are subject to change without notice. Please verify details with OptoTech.





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## Highlights

- Specially designed for curing coatings on ophthalmic lenses after the hardcoating process
- 2 different versions makes the OptoHeat series suitable for labs of all sizes
- Oven capacity for up to 400 lenses (10 shelves with 40 lenses per shelf at 70mm)
- Cycle time of 30 minutes per cycle on average
- Very fast heating rates and homogeneous temperature distribution
- Macro controlled processes offer the possibility to significantly reduce curing times

## System advantages

- Stand alone units with a small footprint
- Fast curing times due to homogeneous temperature distribution, ideal air velocity of both sides of the lenses and optimal air ventilation system
- Shorter process times reduce energy consumption
- Reproducible product quality