

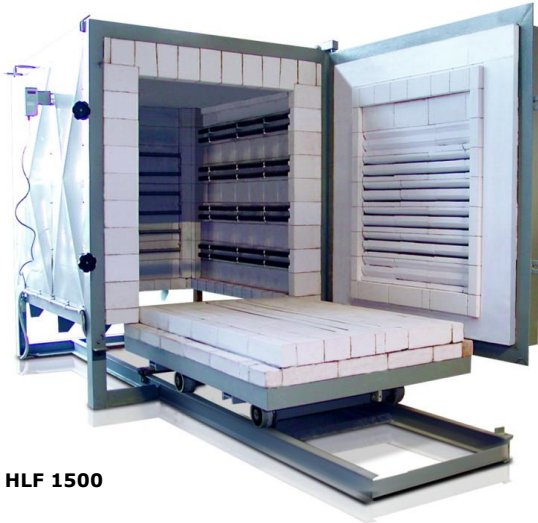
HEAT TREATMENT FURNACES

HLF Series

Glass Series

Heat Treatment Furnaces

HLF Series



HLF 1500

HLF series have been used for heat treatment of metals, glass and similar materials by many professionals for many years.

Available with brick and fiber insulation elements, with a wide variety of options, HLF series is the optimum choice for general heat treatment procedures.

Standard HLF series furnaces cover a range up to 1200°C, and have a volume of 1000 liters. However we do provide a much larger range for our customers on request.

Galvanized coating covered epoxy painted structure, providing longer life time and aesthetics.

System Features

- ✓ Vertical or sideways opening door
- ✓ Door safety switch
- ✓ Customized controller option
- ✓ High-quality fiber material
- ✓ High level temperature uniformity
- ✓ Custom made carriage track fitted for the installation site
- ✓ Electrical protection
- ✓ Door with hand fitted brick-on-brick seal
- ✓ High quality heating elements and ceiling construction ensuring a long service life
- ✓ Dual skin housing for low external temperatures and high temperature stability
- ✓ Easy maintenance and service procedures
- ✓ Multiple and extra heating sides added according to customer needs
- ✓ Intuitive controller user interface

Model	Maximum Temperature (°C)	Continuous Operating Temperature (°C)	Volume (L)	Inner Dimentions (HxWxD) (cm)	Outer Dimentions (HxWxD) (cm)	Power (kW)	Phase
HLF 50	1200	1150	50	40x35x35	67x84x74	3.6	1
HLF 100	1200	1150	100	50x40x50	110x94x93	8.0	3
HLF 140	1200	1150	140	70x40x50	135x95x95	12.0	3
HLF 200	1200	1150	200	80x45x55	150x103x95	12.0	3
HLF 300	1200	1150	300	75x50x80	130x103x110	18.0	3
HLF 400	1200	1150	400	73x75x75	135x132x120	21.0	3
HLF 500	1200	1150	500	80x80x80	138x154x125	24.0	3
HLF 1000	1200	1150	1000	85x90x125	140x167x170	33.0	3

*For system accessories please check the accessory page for furnaces.

Optional Features

- ✓ Over-temperature limiter for thermal protection
- ✓ Adjustable air intake opening in the furnace door
- ✓ Exhaust air opening in the of the furnace roof
- ✓ Option of hydraulic opening door
- ✓ Data logger with the software
- ✓ RS422/485 communication
- ✓ Bottom, lid or back side heating
- ✓ Extra load wagon
- ✓ Protective gas system and connection

Glass Furnaces

PGLS Series



PGLS 07

PGLS series are within our standard products and used for glass fusion and pate de Verre furnaces. Custom made glass furnaces are made upon customer request.

Glass Fusion Furnaces are all top heated, to achieve maximum temperature homogeneity. Observation ports are available for the user to observe the stage of fusion and act accordingly.

Standard HLF series furnaces cover a range up to 1000°C/1832°F, and a volume of 500 liters.

All models have a stand frame on wheels for easy moving. Gas struts are installed to enable easy lid opening.

Custom made higher volumes include hydraulic lift mechanisms for easier usage.

System Features

- ✓ Upwards opening door
- ✓ Door safety switch
- ✓ Customized controller option
- ✓ High-quality fiber material
- ✓ High level temperature uniformity
- ✓ Electrical protection
- ✓ Top heating
- ✓ High quality heating elements and ceiling construction ensuring a long service life
- ✓ Dual skin housing for low external temperatures and high inner temperature stability
- ✓ Intuitive controller user interface
- ✓ System operation with solid-state-relays

Model	Maximum Temperature (°C)	Continuous Operating Temperature (°C)	Volume (L)	Inner Dimentions (HxWxD) cm	Power (kW)	Phase
PGLS01	1000	950	100	40x50x50	8.0	1
PGLS02	1000	950	140	70x40x50	10.0	3
PGLS03	1000	950	180	90x40x50	10.0	3
PGLS04	1000	950	260	110x40x60	12.0	3
PGLS05	1000	950	340	120x40x70	15.0	3
PGLS06	1000	950	420	150x40x70	18.0	3
PGLS07	1000	950	480	200x40x60	18.0	3
PGLS08	1000	950	560	200x40x70	22.0	3

*For system accessories please check the accessory page for furnaces.

Optional Features

- ✓ Over-temperature limiter for thermal protection
- ✓ Option of hydraulic opening door
- ✓ Data logger with the software
- ✓ RS422/485 communication
- ✓ Bottom, lid or back side heating
- ✓ Observation port

*For your inquiries and questions please contact us

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