

Arts & Crafts
Nabertherm

Fusing
Furnaces for
Workshop and
Hobby

For more information about our
kilns for workshop and hobby visit
our website



Handcrafted in Germany
nabertherm.com

Top Loaders as Fusing Furnaces

Choose the ideal companion for your fusing work – our top loaders as fusing furnaces. With robust refractory insulation and protected heating in the lid, our fusing furnaces in the F 75 – F 220 range with additional side heating provide optimum support.

Standard equipment

- Refractory insulation ensures clean firing results
- Lid with adjustable quick-release lock and padlock
- Adjustable lid suspension
- Durable lid seal (brick on brick)
- Lid interlock safety switch
- Heating elements in the roof, with fusing furnaces F 75 – F 220 also all around the sides
- Solid state relays ensure low noise heater operation
- Powerful gas struts support lid opening

“I entrust my art to my Nabertherm fusing furnace.”

David Perry
davidperryglassceramics.uk



- Top loader F 30 as tabletop model without castors
- F 220 with two-zone control (lid and side) as standard

Controller

- Controller with touch operation C540 (10 programs with each 20 segments) or P570 (50 programs with each 40 segments) for F 220

A reliable companion whose performance will delight you!



Fusing furnace F 75



Here you will find a
dealer close to you





Sturdy lid design with two lid brackets



Interior with bottom side ring heating on fusing furnaces F 75 – F 220



Sturdy professional-grade castors on fusing furnaces F 75 – F 220

Model	Tmax °C	Inner dimensions in mm			Floor space in m ²	Outer dimensions ¹ in mm			Connected load kW	Electrical connection	Weight in kg
		w	d	h		W	D	H			
F 30	950	Ø 410		230	0.13	640	770	585	2.0	1-phase	55
F 75 L	950	750	520	230	0.33	945	930	690	3.6	1-phase	95
F 75	950	750	520	230	0.33	945	930	690	5.5	3-phase	95
F 110	950	930	590	230	0.47	1130	1000	690	7.5	3-phase	110
F 220	950	930	590	460	0.47	1130	1000	920	15.0	3-phase	150

¹External dimensions vary when furnace is equipped with additional equipment. Dimensions on request

Fusing Furnaces

with fixed table

Nabertherm fusing furnaces in the GF 75 – GF 1425 product line were developed for professional use to meet the highest standards. The heating elements, arranged close together and protected in quartz glass tubes, guarantee a remarkably high level of temperature uniformity across the entire surface of the table – perfect for fusing or bending glass.

All models have an appealing, dual-shell stainless steel housing. The level table surface is made from sturdy, durable refractory bricks. The hood opening is supported with gas struts that makes for effortless work. The electric rating of the furnace heating has been optimized to heat up the glass quickly.

Standard equipment

- Heating elements protected in quartz glass tubes
- Controller integrated on the right-hand side of the furnace to save space

Controller

- Controller with touch operation C540 (10 programs with each 20 segments)

Our fusing furnaces combine precision and aesthetics. Experience how our technology enriches your artistic vision!



Fusing furnace GF 75



Fusing furnace GF 240



Additional Equipment



Observation window in air inlets to observe the glass



Automatic and manual exhaust air opening in the roof for faster cooling. Operating lever on the right-hand side of the furnace (above the switchgear).



Additional tables to extend the furnace system for GFM models; interchangeable table system to utilize residual heat and reduce cycle times by changing tables while the furnace is still warm

Model	Tmax °C	Inner dimensions in mm			Floor space in m ²	Outer dimensions ⁴ in mm			Connected load kW	Electrical connection	Weight in kg
		w	d	h		W	D	H ³			
GF 75	900	620	620	310	0.38	1070	950	1370	3.6	1-phase	180
GF 75 R	950	620	620	310	0.38	1070	950	1370	5.5	3-phase ¹	180
GF 190 LE	950	1010	620	400	0.62	1460	950	1460	6.0	1-phase ²	210
GF 190	950	1010	620	400	0.62	1460	950	1460	6.4	3-phase ¹	210
GF 240	950	1010	810	400	0.81	1460	1140	1460	11.0	3-phase	275
GF 380	950	1210	1100	400	1.33	1660	1460	1460	15.0	3-phase	450
GF 420	950	1660	950	400	1.57	2110	1310	1460	18.0	3-phase	500
GF 520	950	1210	1160	400	1.40	1660	1520	1460	15.0	3-phase	550
GF 600	950	2010	1010	400	2.03	2460	1370	1460	22.0	3-phase	600
GF 920	950	2110	1160	400	2.44	2560	1520	1460	26.0	3-phase	850
GF 1050	950	2310	1210	400	2.79	2760	1570	1460	32.0	3-phase	1050
GF 1425	950	2510	1510	400	3.79	2960	1870	1460	32.0	3-phase	1250

¹Heating only between two phases

²Fuse if connected to 230 V = 32 A

³Including base

⁴External dimensions vary when furnace is equipped with additional equipment. Dimensions on request

Detailed Overview



Large handles



Closable opening for ventilation



Closely arranged roof heating elements protected in quartz glass tubes



Removable controller with touch operation



Level table surface with rugged refractory insulation



Mobile monitoring with the MyNabertherm app



Adjustable, large quick-release fasteners



Gas pressure springs



Rugged base on castors with shelf



Ergonomic charging height of 860 mm



Heating switches off when the lid is opened



Solid state relays ensure low-noise heater operation



Appealing, dual-shell stainless steel housing


Glass Beads Cooling Furnace

A high-quality furnace is indispensable for the creative design of glass beads. The MF 5 model is the ideal companion for cooling glass beads or glass jewelry.

The door has a slit for glass beads which can be closed with the supplied plug if the furnace is to be used for other applications. With a maximum temperature of 950 °C, the furnace becomes a versatile helper – also ideal for small fusing and enameling jobs, decorations and to pre-heat frits and other materials.

Standard equipment

- Tabletop model
- Furnace top heating, protected in quartz glass tubes
- Multi-layer insulation
- Housing made from structured stainless steel

 Experience Glass Working in a New Light.

- Solid state relays ensure low noise heater operation
- Easy to fill with glass beads

Controller

- Controller with touch operation C540 (10 programs with each 20 segments)

Experience the world of glass working with a Nabertherm furnace that not only offers technology but also creates passion and inspiration!



Glass beads



Glass beads



Top loader HO 70/R

Model	Tmax °C	Inner dimensions in mm			Volume in l	Outer dimensions in mm			Connected load kW	Electrical connection	Weight in kg
		w	d	h		W	D	H			
MF 5	950	220	240	100	5	485	370	320	1.6	1-phase	15

Nabertherm Controllers Series 500

**I AM THE
CONTROLLER**

I'm the big brother of analog buttons and turning switches. I am the new generation of control and intuitive operation. My skills are highly complex, my operation is simple. I can be touched and speak 24 languages. I'll show you exactly which program is running and when it ends.



The controller series 500 impresses with its unique scope of performance and intuitive operation. In combination with the free "MyNabertherm" smartphone app, monitoring your furnace is even easier and more powerful

"I was immediately able to work intuitively with the controller."

Samet can Alis
sametcanalis.com

than ever before. The operation and programming takes place via a high-contrast, large touch panel, which shows exactly the information that is relevant at the moment.

Standard equipment

- Transparent, graphical display of temperature curves
- Clear presentation of firing data
- 24 operating languages selectable
- Consistent, attractive design
- Easily understandable symbols for many functions
- Precise and accurate temperature control
- User levels
- Program status display with estimated end time and date
- Documentation of firing curves on USB storage medium in .csv file format
- Service information can be read out via a USB stick
- Clear presentation
- Plain text display
- Can be configured for all furnace families
- Can be parameterized for different firings



Highlights

Modern design



Colored display of temperature curves and firing data

Simple programming



Simple and intuitive program entry via touchpanel

Integrated help function



Information on various commands in plain text

Program management



Temperature programs can be saved as favorites and in categories

Segment player



Detailed overview of firing information, including setpoint, actual value and switched functions

Wi-Fi-capable



Connection with the MyNabertherm app



Intuitive touch screen



Easy program entry and control



Precise temperature control



User levels



Firing data documentation on USB

You can find more information about Nabertherm controllers, firing data documentation as well as tutorials on how to use the devices on our website: nabertherm.com/en/series-500



The MyNabertherm App

for mobile monitoring of firing progress

Our free MyNabertherm app is the powerful, digital accessory for Nabertherm Series 500 Controllers. Use the app for convenient online progress monitoring of your Nabertherm furnaces – from your office, while on the way or from wherever you wish. The app always keeps you in the picture. Just like the controller itself, the app is also available in 24 languages.

App-functions

- Convenient monitoring of one or more Nabertherm furnaces simultaneously
- Clear presentation as a dashboard
- Individual overview of a furnace
- Active/Inactive furnaces
- Operating status
- Current firing data

Display of program progress for each furnace

- Graphic presentation of the firing progress
- Display of furnace name, program name, segment information
- Start time, program run time, remaining run time
- Display of additional functions such as fresh-air fan, exhaust air flap, etc.
- Operating modes as symbols

Push notifications in case of malfunctions and at program end

- Push notification on the lock screen
- Error messages with description of the malfunction in the individual overview and in a message list

Contacting with service possible

- Stored furnace data facilitate rapid support for you

Requirements

- Connection of the furnace to the Internet via the customer's Wi-Fi
- For mobile devices with Android (from version 9) or IOS (from version 13)

No matter where you are, you always know the status of your firing!



Convenient monitoring of one or more Nabertherm furnaces simultaneously



Display of program progress for each furnace



Easy to contact



Monitoring of Nabertherm furnaces with controller series 500 with touch operation

Everything on display in the new Nabertherm app for the new controller series 500. Get the most out of your furnace with our app for iOS and Android. Don't hesitate to download it now.



Any addition of Nabertherm furnaces



Push notifications in case of malfunctions



Clear context menu

Arts & Crafts

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