

Плавильные печи с подвижным столом или ванной GFM

Технические характеристики

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Fusing Furnaces with Movable Table or Tub

Fusing furnaces in the “GFM” series were developed for special production requirements. The GFM series combines the impressive quality benefits of the GF series with the option of charging the table outside the furnace. The table runs on swivel castors and can thus be moved freely.

The scope of delivery includes a flat table for fusing work; additional tables can be added. An interchangeable table system is especially economical, as one table can be charged while the other is in the furnace. Instead of flat tables, different tables with different heights can be used if the furnace is to be used for higher components, for example.



Fusing furnace GFM 920

Standard Equipment

- Tmax 950 °C
- Heating element, protected in quartz tubes
- High current connection capacities for short warm-up times and energy-saving way of working
- Arranged closely beside each other on the top, heating elements ensure direct and uniform radiation of the glass
- Infrared heated in hood which is attached to stand
- Dual shell hood made of stainless steel with slotted cover lid
- Scope of delivery includes a table
- Table on wheels, freely movable
- Controller integrated to save space on the right side of the furnace
- Level table surface with insulation made of robust lightweight refractory bricks and marked charge surface
- Top hat insulated with high-quality fiber material; exclusive use of insulation materials without categorization according to EC Regulation No 1272/2008 (CLP). This explicitly means that alumino silicate wool, also known as “refractory ceramic fiber” (RCF), which is classified and possibly carcinogenic, is not used.
- Adjustable, large quick-release fasteners - can be used while working in gloves
- Handles on the left and right side of the hood for opening and closing the furnace
- Hood safety switch
- Solid state relays provide for low-noise operation
- Type K thermocouple
- Hood easy to open and close, supported by compressed-gas springs
- Lockable air inlet opening for ventilation, fast cooling and observation of charge
- Comfortable charging height of 860 mm
- Controller with touch operation C540 (10 programs with each 20 segments), controls description see page 86



Tables for expansion of the furnace system as additional equipment; Interchangeable table system to use the residual heat of the furnace and to reduce cycle times by changing table in warm state

Additional Equipment

- Motorized lid opening for faster cooling for models GFM 420 up
- Bottom heating for uniform through heating of large objects
- Cooling fan for accelerated cooling with closed lid
- Tables for expansion of the furnace system; Interchangeable table system to use the residual heat of the furnace and to reduce cycle times by changing table in warm state
- Table designed as a basin
- Motorized exhaust air flap for faster cooling of the fusing furnace
- Air inlet flap with window for observing the glass



GFM 1425 fusing furnace with motorized lid opening

Model	Tmax °C	Inner dimensions in mm			Floor space in m ²	Outer dimensions ² in mm			Heating power in kW ¹	Electrical connection*	Weight in kg
		w	d	h		W	D	H			
GFM 420	950	1660	950	400	1.57	2230	1390	1460	18	3-phase	620
GFM 520	950	1210	1160	400	1.40	1780	1600	1460	15	3-phase	670
GFM 600	950	2010	1010	400	2.03	2580	1450	1460	22	3-phase	730
GFM 920	950	2110	1160	400	2.44	2680	1600	1460	26	3-phase	990
GFM 1050	950	2310	1210	400	2.79	2880	1650	1460	32	3-phase	1190
GFM 1425	950	2510	1510	400	3.79	3080	1950	1460	32	3-phase	1390

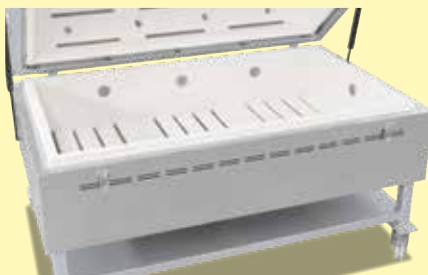
¹Depending on furnace design connected load might be higher

²External dimensions vary when furnace is equipped with additional equipment. Dimensions on request.

*Please see page 86 for more information about supply voltage



Motorized lid opening for faster cooling for models GFM 420 up



GF 420/S with basin and floor heating



Inspection window in air inlet opening for observation of the glass as additional equipment



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