



# Mosaic Sintering Kilns

GMS/TNL SERIES

## TECHNICAL DETAILS

Operating Temperature

- 900° C

Digital Temperature Controller

- Honeywell Series

Temperature Control Form

- PID

Temperature Control Zone

- Multizone

Thermocouple Type

- Type K (NiCr-Ni)

Switching Element

- SSR Solid State Relay (in electrically heated kilns)
- Servo driven positioner (in gas fired kilns)

Insulation

- Light Refractory Brick + Ceramic Fiber + Rockwool

Heating Surface

- Top

Cooling

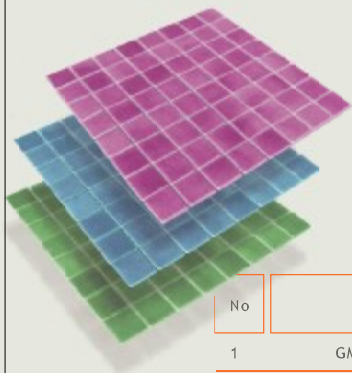
- Controlled Cooling by Fans

Belt Speed

- Adjustable by Frequency Inverter

Standard Colour

- Beige (RAL 7032 W) + Orange (RAL 2004 W)



No	Order Code	Throat - [cm]		Length - [cm]	Belt Width - [cm]	Belt Speed - [cm]	Power - [kW]
		w	h				
1	GMS/TLN CUST/... /..	t o y o u r s i z e		--	--	--	--

This group of kilns are being widely for sintering in the production of glass mosaic tiles by using glass powder pressing technique. Since the process starting with press, the kilns are designed and manufactured according to specifications of the press, i.e. number of strokes, table width, number of pins in the mould, table height, etc.

These kilns can be either electrically heated or gas fired.



Since it's  
establishment  
in 1985

Since its establishment in 1985, our company has been offering solutions in the glass and ceramic industries. Solutions cover the range from small units to complete turn-key manufacturing systems. Proof of level of our capability are the numerous systems that we already have installed.



Our company motto has always been "Ultimate Customer Satisfaction". Our highly skilled staff equipped with our experience exceeding 20 years, is always ready to respond to the special needs of our customers. With this experience, we have created our new line of kilns which we have named after



the mythological goddess of fire.

the GODDESS of FIRE



### TECHNICAL DETAILS

Operating Temperature  
• 650° C

Digital Temperature Programmer  
• Optional GEMO PC 107 or HAN7Da Plug to connect Pixsys ATR 901 or Bentrup TC 60/8

Temperature Control Form  
• Time Proportional On/Off

Switching Element  
• Contactor

Thermocouple Type  
• Type K (NiCr-Ni) (inserted in ceramic tube)

Insulation  
• High density ceramic fiber (Multi-layer)  
• Light refractory brick (Bottom Lining)

Heating Surface  
• Top

Heating Elements  
• Resistance wire wound inside quartz tubes to ensure uniform radiation

Cooling  
• Natural Cooling

Connection  
• Single Phase

Body Construction  
• Dot patterned AISI 304 Stainless steel



GBK/INX 30/0120/06



Bead works in glass furnace/www.glassfurnace.org



GBK/INX 25/0075/06



Bentrup TC 60/8



Flame works by Ahmet ÖZDENİZ



Just propane!  
Lever Adjustable torch  
Connect by STIPLAS  
www.stiplas.com

No	Order Code	Internal Dimensions - [ d x w x h ] cm	Power - [ kW ]	Connection	Available Programmers
1	GBK/INX 25/0075/06	25 x 30 x 15	1.3	230 V <sub>AC</sub>	Gemo PC 107 Pixsys ATR 901 Bentrup TC 60/8
2	GBK/INX 30/0120/06	30 x 40 x 15	1.7	230 V <sub>AC</sub>	
3	GBK/INX CUST-/--/--	to your size	--	--	

# Fusing Kilns with Flat Bottom

## GFK / ECO-F SERIES

### TECHNICAL DETAILS

Operating Temperature

- 850 °C

Digital Temperature Programmer

- Optional Bentrup TC 60/8 or HAN7Da plug.

Temperature Control Form

- Time Proportional On/Off

Switching Element

- Contactor (Standard)
- SSR-Solid State Relay (Optional)

Thermocouple Type

- Type K (NiCr-Ni) (inserted in ceramic tube)

Insulation

- High density ceramic fiber (Multi-layer)

Heating Surface

- Top

Heating Elements

- Resistance wire wound inside quartz tubes to ensure uniform radiation

Cooling

- Natural cooling through ventilation holes

Connection

- Single Phase

Lid Opening

- Manual by the help of pressurised gas dampers

Body Construction

- Folded sheet metal (Standard)

Frame Construction

- Welded steel tubes

Coating

- Thermoset powder coat

Standard Colour

- Beige (RAL 7032 W)+Orange (RAL 2004 W)  
(Different colours can be selected)



GFK/ECO-F 35/0125/05



GFK/ECO-F 40/0160/05



GFK/ECO-F 40/0160/05



# Fusing Kilns with Flat Bottom

## GFK / INX-F SERIES

Body Construction

- Dot Patterned AISI 304, Stainless steel



GFK/INX-F 35/0125/05



Controller with HAN7Da plug.

No	Order Code	Internal Dimensions - [d x w x h] cm	Power - [kW]	Connection	Available Programmers
1	GFK/ECO-F 35/0125/05 GFK/INX-F 35/0125/05	35 x 35 x 13	1.8	230 V <sub>AC</sub>	Pixsys ATR 901 Bentrup TC 60/8
2	GFK/ECO-F 40/0160/05 GFK/INX-F 40/0160/05	40 x 40 x 13	2.0	230 V <sub>AC</sub>	
3	GFK/ECO-F 45/0200/05 GFK/INX-F 45/0200/05	45 x 45 x 13	2.2	230 V <sub>AC</sub>	
4	GFK/ECO-F 45/0200/08 GFK/INX-F 45/0200/08	45 x 45 x 20	2.7	230 V <sub>AC</sub>	
5	GFK/ECO-F 50/0250/05 GFK/INX-F 50/0250/05	50 x 50 x 13	2.7	230 V <sub>AC</sub>	
6	GFK/ECO-F 50/0250/08 GFK/INX-F 50/0250/08	50 x 50 x 20	2.9	230 V <sub>AC</sub>	
7	GFK/ECO-F CUST/----/--- GFK/INX CUST/----/---	to your size	--	--	

**TECHNICAL DETAILS**

Operating Temperature

- 850° C

Digital Temperature Programmer

- Optional Bentrup Series or HAN7D a plug

Temperature Control Form

- Time Proportional On/Off

Switching Element

- Contactor (Standard)
- SSR-Solid State Relay (Optional)

Thermocouple Type

- Type K (NiCr-Ni) (inserted in ceramic tube)

Insulation

- High density ceramic fiber (Multi-layer)

Heating Surface

- Top

Heating Elements

- Resistance wire wound inside quartz tubes to ensure uniform radiation

Cooling

- Natural cooling through ventilation holes

Connection

- Single / Three Phase

Lid Opening

- Manual by the help of pressurised gas dampers

Body Construction

- Folded sheet metal

Frame Construction

- Welded steel tubes

Coating

- Thermoset powder coat

Standard Colour

- Beige (RAL 7032 W) + Orange (RAL 2004 W)  
(Different colours can be selected)



GFK/ECO 50/0250/10



GFK/ECO 50/0500/10



Chantal Royant



GFK/ECO CUST 40/0160/16



Daive Salvador

No	Order Code	Internal Dimensions -[ d x w x h ] cm	Power -[ kW ]	Connection	Available Programmings
1	0250/10-13	50 x 50 x 25-33	3.0-3.9	230 V <sub>AC</sub>	
2	GFK/ECO 50/ 0375/10-16	50 x 75 x 25-40	4.5-5.4	400 V <sub>AC</sub>	
3	0500/10-16	50 x100 x 25-40	5.6-6.4	400 V <sub>AC</sub>	
4	0360/10-16	60 x 60 x 25-40	3.8-5.0	400 V <sub>AC</sub>	
5	GFK/ECO 60/ 0540/10-16	60 x 90 x 25-40	5.2-6.8	400 V <sub>AC</sub>	
6	0720/10-16	60 x120 x 25-40	6.5-8.5	400 V <sub>AC</sub>	
7	0490/10-16	70 x 70 x 25-40	4.7-6.3	400 V <sub>AC</sub>	
8	GFK/ECO 70/ 0700/10-16	70 x100 x 25-40	6.5-8.3	400 V <sub>AC</sub>	
9	0980/10-16	70 x140 x 25-40	8.2-11.0	400 V <sub>AC</sub>	
10	0640/10-16	80 x 80 x 25-40	6.0-7.5	400 V <sub>AC</sub>	
11	GFK/ECO 80/ 0960/10-16	80 x120 x 25-40	8.5-10.5	400 V <sub>AC</sub>	
12	1280/10-16	80 x160 x 25-40	10.5-13.5	400 V <sub>AC</sub>	
13	GFK/ECO CUST/ / ---/---	to your size		---	

Pixsys ATR 901  
Bentrup TC 60/8  
Bentrup TC 405 / 30

### TECHNICAL DETAILS

Operating Temperature

- 850°C

Digital Temperature Programmer

- Optional Bentrup Series or HAN7D a plug

Temperature Control Form

- Time Proportional On/Off

Switching Element

- Contactor (Standard)
- SSR-Solid State Relay (Optional)

Thermocouple Type

- Type K (NiCr-Ni) (inserted in ceramic tube)

Insulation

- High density ceramic fiber (Multi-layer)

Heating Surface

- Top

Heating Elements

- Resistance wire wound inside quartz tubes to ensure uniform radiation

Cooling

- Natural cooling through ventilation holes

Connection

- Single / Three Phase

Lid Opening

- Manual by the help of pressurised gas dampers

Body Construction

- Dot patterned AISI 304 Stainless steel

Frame Construction

- Welded steel tubes



GFK/INX 60/0540/13



GFK/INX 50/0250/10



GFK/INX 50/0250/10

No	Order Code	Internal Dimensions - [d x w x h] cm	Power - [kW]	Connection	Available Programmings
1	0250/10-13	50 x 50 x 25-33	3.0-3.9	230 V <sub>AC</sub>	
2	GFK/INX 50/ 0375/10-16	50 x 75 x 25-40	4.5-5.4	400 V <sub>AC</sub>	
3	0500/10-16	50 x 100 x 25-40	5.6-6.4	400 V <sub>AC</sub>	
4	0360/10-16	60 x 60 x 25-40	3.8-5.0	400 V <sub>AC</sub>	
5	GFK/INX 60/ 0540/10-16	60 x 90 x 25-40	5.2-6.8	400 V <sub>AC</sub>	
6	0720/10-16	60 x 120 x 25-40	6.5-8.5	400 V <sub>AC</sub>	
7	0490/10-16	70 x 70 x 25-40	4.7-6.3	400 V <sub>AC</sub>	
8	GFK/INX 70/ 0700/10-16	70 x 100 x 25-40	6.5-8.3	400 V <sub>AC</sub>	
9	0980/10-16	70 x 140 x 25-40	8.2-11.0	400 V <sub>AC</sub>	
10	0640/10-16	80 x 80 x 25-40	6.0-7.5	400 V <sub>AC</sub>	
11	GFK/INX 80/ 0960/10-16	80 x 120 x 25-40	8.5-10.5	400 V <sub>AC</sub>	
12	1280/10-16	80 x 160 x 25-40	10.5-13.5	400 V <sub>AC</sub>	
13	GFK/INX CUST/! ----/--	to your size		---	

Pixsys ATR 901  
 Bentrup TC 60/8  
 Bentrup TC 405 / 30

### TECHNICAL DETAILS

Operating Temperature

- 900°C

Digital Temperature Programmer

- Optional Bentrup Series or HAN7D a plug

Temperature Control Form

- Time Proportional On/Off

Switching Element

- Contactor (Standard)
- SSR-Solid State Relay (Optional)

Thermocouple Type

- Type K (NiCr-Ni) (inserted in ceramic tube)

Insulation

- High density ceramic fiber (Multi-layer)

Heating Surface

- Top

Heating Elements

- Resistance wire wound inside quartz tubes to ensure uniform radiation

Cooling

- Natural cooling through ventilation holes

Connection

- Three Phase

Lid Opening

- Counter balanced by gas dampers (small kilns)
- By pneumatic cylinders (large kilns)

Body Construction

- Welded steel tubes

Casing

- Folded sheet metal

Coating

- Thermoset powder coat

Standard Colour

- Beige (RAL 7032 W) + Orange (RAL 2004 W) (Different colours can be selected)
- Stainless steel casing (Optional)



GFK/PRO 80/0960/12



GFK/PRO 80/0960/12



GFK/PRO 100/2000/16



GFK/PRO 80/0960/12



Cam Ocagi Vakfı



GFK/PRO 100/2000/16

No	Order Code	Internal Dimensions - [d x w x h] cm	Power -[kW]	Connection	Available Programmers
1	GFK/PRO 50/ 0500/12-16	50 x 100 x 30-40	6.5- 7.8	400 V <sub>AC</sub>	Bentrup TC 60/8-Pixsys ATR 901 Bentrup TC 405/30-TC 507
2	0800/12-16	80 x 100 x 30-40	7.8- 9.0	400 V <sub>AC</sub>	
3	GFK/PRO 80/ 0960/12-16	80 x 120 x 30-40	9.0-10.4	400 V <sub>AC</sub>	
4	1280/12-16	80 x 160 x 30-40	11.6-12.9	400 V <sub>AC</sub>	
5	1500/12-16	100 x 150 x 30-40	14.2-15.5	400 V <sub>AC</sub>	
6	GFK/PRO 100/ 1750/12-16	100 x 175 x 30-40	16.2-17.5	400 V <sub>AC</sub>	
7	2000/12-16	100 x 200 x 30-40	18.1-19.4	400 V <sub>AC</sub>	
8	1920/12-16	120 x 160 x 30-40	17.9-18.5	400 V <sub>AC</sub>	
9	GFK/PRO 120/ 2400/12-16	120 x 200 x 30-40	20.7-22.0	400 V <sub>AC</sub>	
10	2880/12-16	120 x 240 x 30-40	24.3-27.0	400 V <sub>AC</sub>	
11	3000/12-16	150 x 200 x 30-40	25.2-27.7	400 V <sub>AC</sub>	
12	GFK/PRO 150/ 3750/12-16	150 x 250 x 30-40	33.1-36.5	400 V <sub>AC</sub>	
13	4500/12-16	150 x 300 x 30-40	41.4-44.6	400 V <sub>AC</sub>	
14	GFK/PRO CUST/ : ---/--	to your size	---	--	

## TECHNICAL DETAILS

- Operating Temperature
  - 900° C
- Digital Temperature Programmer
  - Bentrup TC 507 - TC M2
  - Pixsys ATR 313
  - Device model changes according to kiln size
- Temperature Control Form
  - Time Proportional On/Off
- Switching Element
  - SSR-Solid State Relay (Standard)
- Thermocouple Type
  - Type K (NiCr-Ni)
  - (inserted in ceramic tube)
- Insulation
  - High density ceramic fiber (Multi-layer)
- Heating Surface
  - From upper frame
- Heating Elements
  - Resistance wire wound inside quartz tubes to ensure uniform radiation
- Cooling
  - Free cooling by ventilation holes (Standard)
  - Fast cooling by high pressure fan (Optional)
- Connection
  - Three Phase
- Kiln Car Movement
  - Manual (Standard)
  - Programmable (Optional)
- Number of Kiln Car
  - 1 (Standard)
  - 2 or more (Optional)
- Lid Opening
  - By mechanical elevating mechanism
- Body Construction
  - Welded steel tubes
- Casing
  - Folded sheet metal
- Coating
  - Thermoset powder coat
- Standard Colour
  - Beige (RAL 7032 W) + Orange (RAL 2004 W)
  - (Different colours can be selected)
  - Stainless steel casing (Optional)



GFK/MFR 120/02880/16



Chantal Royant



GFK/MFR 100/02000/16

No	Order Code	Internal Dimensions - [d x w x h] cm	Power - [kW]	Connection	Available Programmers
1	GFK/MFR 100/ 02000/12-16	100 x 200 x 30-40	18.1-19.4	400 V <sub>AC</sub>	Pixsys ATR 313 Bentrup TC 507 - Bentrup TC M2
2	02160/12-16	120 x 180 x 30-40	18.5-19.7	400 V <sub>AC</sub>	
3	GFK/MFR 120/ 02520/12-16	120 x 210 x 30-40	21.3-22.6	400 V <sub>AC</sub>	
4	02880/12-16	120 x 240 x 30-40	24.3-27.0	400 V <sub>AC</sub>	
5	03000/12-16	150 x 200 x 30-40	25.2-27.7	400 V <sub>AC</sub>	
6	GFK/MFR 150/ 03750/12-16	150 x 250 x 30-40	33.1-36.5	400 V <sub>AC</sub>	
7	04500/12-16	150 x 300 x 30-40	41.4-44.6	400 V <sub>AC</sub>	
8	06000/12-16	200 x 300 x 30-40	54.3-57.6	400 V <sub>AC</sub>	
9	GFK/MFR 200/ 07000/12-16	200 x 350 x 30-40	61.3-64.7	400 V <sub>AC</sub>	
10	08000/12-16	200 x 400 x 30-40	68.5-71.2	400 V <sub>AC</sub>	
11	07875/12-16	225 x 350 x 30-40	67.4-71.4	400 V <sub>AC</sub>	
12	GFK/MFR 225/ 08800/12-16	225 x 400 x 30-40	77.0-81.6	400 V <sub>AC</sub>	
13	10125/12-16	225 x 450 x 30-40	86.7-91.9	400 V <sub>AC</sub>	
14	07500/12-16	250 x 300 x 30-40	64.2-68.10	400 V <sub>AC</sub>	
15	GFK/MFR 250/ 10000/12-16	250 x 400 x 30-40	85.62-90.7	400 V <sub>AC</sub>	
16	12500/12-16	250 x 500 x 30-40	107.0-113.4	400 V <sub>AC</sub>	
17	GFK/MFR CUST/! ----/--	to your size	-		

to use up-to-date technology

V E S T A l e a d s u s

to work hard

VESTA

... in being  
as friendly as  
we are

... in working  
as hard as  
we do



and more important among

... in using  
up-to-date  
technology

to machine  
accurately

V E S T A l e a d s u s

to be more friendly

V E S T A l e a d s u s

to control precisely

leads us

... in controlling  
as precisely as  
we do

... in machining  
as accurately as  
we do

and even more important,  
in being a united and  
harmonious **TEAM**.

V E S T A l e a d s u s

technology



**TECHNICAL DETAILS**

- Operating Temperature
  - 900° C
- Digital Temperature Programmer
  - Honeywell / Pixsys Series
- Temperature Control Form
  - PID
- Temperature Control Zone
  - Multizone
- Switching Element
  - SSR Solid State Relay
- Thermocouple Type
  - Type K (NiCr-Ni)
- Insulation
  - Light Refractory Brick + Ceramic Fiber + Rockwool
- Heating Surface
  - Top
- Cooling
  - Controlled Cooling by Fans
- Standard Colour
  - Beige (RAL 7032 W) + Orange (RAL 2004 W)



No	Order Code	Throat - [cm]		Nominal Diameter - [cm]	Outer Diameter - [cm]	Power - [kW]
		w	h			
1	GFK/TNL 225/0700/06	25	15	225	300	30
2	GFK/TNL 240/0750/06	35	15	240	320	35
3	GFK/TNL 365/1150/08	35	20	365	450	48
4	GFK/TNL 500/1570/08	45	20	500	625	68
5	GFK/TNL CUST/---/---	to your size				--



GWB/PRO 100/0160/01

### TECHNICAL DETAILS

Operating Temperature

- 900°C

Digital Temperature Programmer

- Bentrup TC 405/30 - TC 507
- Device model changes according to kiln size

Temperature Control Form

- Time Proportional On/Off

Switching Element

- Contactor (Standard)
- SSR-Solid State Relay (Optional)

Thermocouple Type

- Type K (NiCr-Ni) (inserted in ceramic tube)

Insulation

- High density ceramic fiber (Multi-layer)

Heating Surface

- Top and bottom

Heating Elements

- Resistance wire wound inside quartz tubes to ensure uniform radiation

Cooling

- Natural cooling through ventilation holes

Connection

- Three Phase

Lid Opening

- Counter balanced by gas dampers (small kilns)
- By pneumatic cylinders (large kilns)

Body Construction

- Welded steel box profiles

Casing

- Folded sheet metal

Coating

- Thermoset powder coat

Standard Colour

- Beige (RAL 7032 W) + Orange (RAL 2004 W)  
(Different colours can be selected)
- Stainless steel casing (Optional)

No	Order Code	Base Dimensions - [ d x w ] cm	No of Moulds	Power -[ kW ]	Programmer [ Bentrup ]
1	GWB/PRO 100/0160/01	100 x 160	1	28	TC 507
2	GWB/PRO 120/0216/02	120 x 180	2	35	
3	GWB/PRO 120/0300/03	120 x 250	3	50	
4	GWB/PRO CUST/----/--	to your size	--	--	



GWB/MFR 120/0300/03

### ADDITIONAL SPECIFICATIONS

Digital Temperature Programmer

- Bentrup TC 507 - TC M2
- Device model changes according to kiln size

Switching Element

- SSR-Solid State Relay (Standard)

Heating Surface

- From upper frame

Cooling

- Free cooling through ventilation holes (Standard)
- Fast cooling through high pressure fan (Optional)

Kiln Car Movement

- Manual (Standard)
- Programmable (Optional)

Number of Kiln Car

- 1 (Standard)
- 2 or more (Optional)

Lid Opening

- By mechanical elevating mechanism



GWB/MFR 120/0300/03



No	Order Code	Base Dimensions - [ d x w ] cm	No of Moulds	Power -[ kW ]	Programmer [ Bentrup ]
1	GWB/MFR 120/0300/03	120 x 250	3	55	TC M2 TC 507
2	GWB/MFR 120/0420/04	120 x 350	4	75	
3	GWB/MFR 120/0540/05	120 x 450	5	80	
4	GWB/MFR 120/0660/06	120 x 550	6	85	
5	GWB/MFR CUST/----/--	to your size	--	--	



# Glass Melting Furnaces

GMF / DTK SERIES

## TECHNICAL DETAILS

Operating Temperature

- 1450° C

Digital Temperature Programmer

- Pixsys Series of Controller

Thermocouple Type

- Type S (Pt-Rh-Pt) (inserted in ceramic tube)

Insulation

- Multi-Layer insulation composed of ZAC+ Light refractory bricks with different grades

Heater

- Medium Velocity Thermjet Burner

Firing System

- In accordance with EN 746 - 2 Standard

Connection

- Single / Three phase (optional)

Body Construction

- Welded mild steel construction



GMF/DTK 080/0115/12



M. De Somma



GMF/DTK 080/0115/12

No	Order Code	Internal Dimensions - [w x h x d] cm	Volume - lt
1	GMF/DTK 070/ 0100/10	70 x 55 x 25	100
2	GMF/DTK 075/ 0101/12	75 x 45 x 30	100
3	0156/14	75 x 60 x 35	160
4	0115/12	80 x 48 x 30	115
5	0132/12	80 x 55 x 30	135
6	0144/12	80 x 60 x 30	145
7	GMF/DTK 080/ 0156/12	80 x 65 x 30	160
8	0182/14	80 x 65 x 35	180
9	0208/16	80 x 65 x 40	210
10	GMF/DTK CUST/! .../...	to your size	--

GPW / STD SERIES

# Pipe Warmers



Hot works by master blower İZZET ÖZDEMİR



Emma Varga



GPW/STD 040/0120/05

No	Order Code	Opening	
		w [cm]	h [cm]
1	GPW/STD 040/0120/05	40	12.5
2	GPW/STD 050/0150/05	50	12.5
3	GPW/STD 060/0180/05	60	12.5
4	GPW/STD 075/0225/05	75	12.5
5	GPW/STD CUST/----/--	to your size	

**TECHNICAL DETAILS**

- Insulation
- Light refractory brick + ceramic fiber blanket
- Heater
- Pine ridge burner
- Temperature Controller
- Optional
- Construction
- Welded steel tubes + 3 mm steel plate
- Kiln Atmosphere
- Oxidizing/Neutral (Standard)
  - Reducing (Optional)
- Standard Colour
- Beige (RAL 7032 W) + Orange (RAL 2004 W)  
(Different colours can be selected)



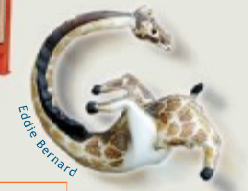
GGH/BGN 035/0050/30

No	Order Code	Internal Dimensions -[cm]		No of Door Sets	Opening Dimensions -[cm]	
		Diameter	Length		Minimum	Maximum
1	GGH/BGN 025/0015/20	25	30	1	12	20
2	GGH/BGN 030/0025/25	30	35	1	15	25
3	GGH/BGN 035/0050/30	35	50-60	1	20	30
4	GGH/BGN 040/0075/35	40	60-70	1	25	35
5	GGH/BGN CUST/----/--	to your size		--	--	--

Double ended glory holes are also available!



GGH/MST 050/0150/40



Eddie debard

No	Order Code	Internal Dimensions -[cm]		No of Door Sets	Opening Dimensions -[cm]	
		Diameter	Length		Minimum	Maximum
1	GGH/GFR 065/0300/55	65	90-105	3	20	55
2	GGH/GFR 075/0400/60	75	90-115	3	25	60
3	GGH/GFR 085/0650/70	85	115	3	30	70
4	GGH/GFR 090/0800/75	90	125	3	30	75
5	GGH/GFR 100/1000/85	100	130	4	25	85
6	GGH/GFR CUST/----/--	to your size		--	--	--

Double ended glory holes are also available!



GGH/BGN 035/0050/30-Double ended

No	Order Code	Internal Dimensions -[cm]		No of Door Sets	Opening Dimensions -[cm]	
		Diameter	Length		Minimum	Maximum
1	GGH/MST 045/0100/40	45	65-80	2	20	40
2	GGH/MST 050/0150/40	50	75-90	2	20	40
3	GGH/MST 055/0175/45	55	75-95	2	20	45
4	GGH/MST 060/0200/50	60	70-90	2	25	50
5	GGH/MSTO CUST/----/--	to your size		-	--	--

Double ended glory holes are also available!



GGH/MST 050/0150/40

### TECHNICAL DETAILS

Operating Temperature  
 • 650°C

Digital Temperature Programmer  
 • Bentrup TC 60/8 - TC 405/30  
 Device model changes according to kiln size

Temperature Control Form  
 • Time Proportional On/Off

Switching Element  
 • Contactor (Standard)  
 • SSR-Solid State Relay (Optional)

Thermocouple Type  
 • Type K (NiCr-Ni)  
 (inserted in ceramic tube)

Insulation  
 • Light refractory brick  
 + High density ceramic fiber

Heating Elements  
 • Resistance wire wound and  
 placed into grooves of bricks

Heating Surface  
 • Side walls

Connection  
 • Three Phase

Lid Opening  
 • Manual

Body Construction  
 • Welded steel tubes

Casing  
 • Folded sheet metal

Coating  
 • Thermoset powder coat

Standard Colour  
 • Beige (RAL 7032 W) + Orange (RAL 2004 W)  
 (Different colours can be selected)  
 • Stainless steel casing (Optional)



GAK/TLD 60/0540/20

No	Order Code	Internal Dimensions -[d x w x h] cm	Power -[kW]	Programmer [Bentrup]
1	GAK/TLD 60/0540/20	60 x 90 x 50	9.5	TC 60/8 TC 405/30
2	GAK/TLD 60/0720/25	60 x 120 x 65	10.5	
3	GAK/TLD 60/0900/25	60 x 150 x 65	14.5	
4	GAK/TLD CUST/----/--	to your size	--	

### TECHNICAL DETAILS

Operating Temperature  
 650°C •

Digital Temperature Programmer  
 Bentrup TC 60/8 - TC 405/30  
 Device model changes according to kiln size

Temperature Control Form  
 Time Proportional •  
 On/Off

Switching Element  
 Contactor (Standard) •  
 SSR-Solid State Relay •  
 (Optional)

Thermocouple Type  
 Type K (NiCr-Ni) •  
 (inserted in ceramic tube)

Insulation  
 Light refractory brick + •  
 High density ceramic fiber

Heating Elements  
 Resistance wire wound and •  
 placed into grooves of bricks

Heating Surface  
 Side walls •

Connection  
 Three Phase •

Door Opening  
 Manual •

Body Construction  
 Welded steel tubes •

Casing  
 Folded sheet metal •

Coating  
 Thermoset powder coat •

Standard Colour  
 Beige (RAL 7032 W) + Orange (RAL 2004 W) •  
 (Different colours can be selected)  
 Stainless steel casing (Optional) •



GAK/FLD 75/1050/32



GAK/FLD 75/1050/32

No	Order Code	Internal Dimensions -[d x w x h] cm	Power -[kW]	Programmer [Bentrup]
1	GAK/FLD 60/0840/32	60 x 140 x 80	11.0	TC 60/8 TC 405/30
2	GAK/FLD 75/0675/28	75 x 90 x 70	11.5	
3	GAK/FLD 75/0975/28	75 x 130 x 70	15.0	
4	GAK/FLD 75/1050/32	75 x 140 x 80	16.5	
5	GAK/FLD CUST/----/--	to your size	--	

# programm<sup>ers</sup> ✓

## Available Programmers

### GEMO PC 107

[www.gemo.com.tr](http://www.gemo.com.tr)

Temperature Controller with Built-in Timer for Industrial Panel Mounting  
1 user definable program up to 20 segments  
Dimensions [72 x 72 x 75] mm



### BENTRUP TC 60/8

[www.bentrup.de](http://www.bentrup.de)

Compact Plug-in Programmer  
1 user definable program up to 8 segments  
Dimensions [65 x 130 x 60] mm



### PIXSYS ATR 901

[www.pixsys.it](http://www.pixsys.it)

Compact Plug-in Programmer  
4 user definable programs each up to 15 segments  
Dimensions [65 x 120 x 65] mm



### BENTRUP TC 405/30

[www.bentrup.de](http://www.bentrup.de)

Professional Compact Plug-in Programmer  
84 user definable programs depending on no of segments  
Dimensions [110 x 200 x 60] mm



### BENTRUP TC 507

[www.bentrup.de](http://www.bentrup.de)

Professional Compact Plug-in Programmer  
99 user definable programs depending on no of segments  
Dimensions [110 x 200 x 60] mm  
Computer Interface : Optional (RS 232 / RS 485)  
Software : WinControl OR WinControl Light (free)



### BENTRUP TC M2

[www.bentrup.de](http://www.bentrup.de)

Single / Multichannel Programme Controller for Industrial Panel Mounting  
99 user definable programs depending on no of segments  
Dimensions [240 x 200 x 120] mm  
Computer Interface : Optional (RS 232 / RS 485)  
Software : WinControl



### PIXSYS ATR 313

[www.pixsys.it](http://www.pixsys.it)

Single / Multichannel Programme Controller with PLC Model PL 300 for Industrial Panel Mounting  
20 user definable programs each up to 30 segments  
Dimensions [251 x 146 x 56] mm  
Computer Interface : RS 485  
Software : Datalogger

