



## HGP Series Horizontal High Temperature Batch Furnaces

### Standard Features

- ◆ Six models electrically heated
- ◆ 1200°C maximum operating temperature
- ◆ Low thermal mass insulation
- ◆ Silicon carbide hearth
- ◆ Rapid heating with iron chrome alloy heating elements
- ◆ Excellent temperature uniformity over the range 500°C - 1200°C
- ◆ Flue with adjustable damper
- ◆ Low case temperatures
- ◆ Controls:

Separate control panel on right hand side housing:

- P.I.D. digital temperature controller
- Excess temperature cut out instrument
- Main heating thyristor and safety back-up contactor
- Main isolator
- Fuses and circuit breakers
- 110V control

- ◆ Finish  
Exterior painted hammer blue

### Optional Accessories and Features

- ◆ Inert gas entry on furnace with flowmeter and control valve
- ◆ Horizontal alloy retort for atmosphere treatment up to 1050°C
- ◆ Heavy duty cast alloy hearth tray - max. temp. 1050°C
- ◆ Addition of circulating fan to allow temperature range 150°C - 1000°C
- ◆ Other standard accessories:
  - Time switch clock
  - Process timer
  - Programmable temperature control
  - Thyristor power control
  - Temperature recorders



MODEL	CHAMBER			OVERALL DIMENSIONS			RATING	NET WT	GROSS WT	CUBE
	A*	B*	C*	D	E	F				
HGP 11	240	145	500	800	1445	880	8	200	300	2.3
HGP 22	335	305	760	950	1580	1290	12	350	525	3.8
HGP 33	460	336	900	1100	1700	1350	21	500	750	4.6
HGP 44	665	500	1100	1270	1850	1660	36	900	1350	6.6
HGP 55	865	500	1400	1470	1850	1960	45	1150	1725	8.6
HGP 66	865	650	1400	1470	2000	1960	54	1380	2070	9.2

NOTE:

All dimensions in mm. Uniformity  $\pm 10^{\circ}\text{C}$  over the useable range 500°C - 1200°C

\* Door opening

For more information

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