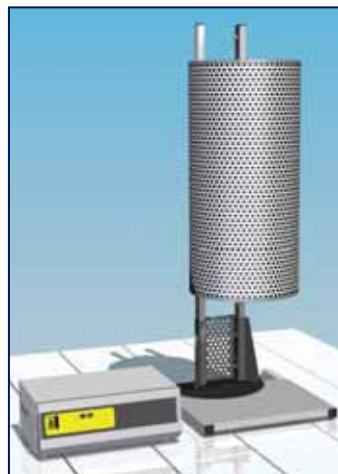


GVC Wire Embedded Versatile Configuration Three Zone Tube Furnaces

Standard features

- ✓ 1200°C maximum operating temperature
- ✓ Excellent uniformity results from the heated length's division into 3 zones each with its own controller & thermocouple
- ✓ Power to the end zones is automatically adjusted to compensate for heat loss
- ✓ Provides a longer uniform zone than can be achieved in a single zone tube furnace
- ✓ Heated lengths of 450, 600, 750, 900, 1050, or 1380mm
- ✓ Accepts accessory work tubes with maximum outer diameter of 170mm
- ✓ All three zones are controlled to the same set-point
- ✓ Vertical configuration with separate control module
- ✓ PID controller with single ramp to setpoint & process timer.



GVC 12/750

Options

specify these at time of order

- ✦ Impervious inner worktubes to protect against chemical attack or damage from thermal shock
- ✦ Over-temperature protection (recommended to protect valuable contents & for unattended operation)
- ✦ Available without stand (comprising control module & furnace body with cradle)
- ✦ Available without foot (for horizontal mounting or wall mounting using additional bracket)
- ✦ Wall mounting bracket
- ✦ Control module on longer 6 metre conduit
- ✦ 'Blank base' mounting option
- ✦ Gas injection & vacuum compatible tube end seal assemblies

- ✦ Insulation plugs & radiation shields are strongly recommended to prevent heat loss & improve uniformity (and are essential for vertical operation)
- ✦ 3 phase or 'universal' power supply, depending upon model
- ✦ 8 or 20 segment programmer
- ✦ 'Retransmission of Setpoint' control configuration to facilitate programmed cooling
- ✦ RS232 communications & graphical recorders
- ✦ Alternative furnace sizes can be supplied upon request

Providing the benefits of a three zone tube furnace in the form of an extended uniform zone together with versatile furnace mounting options and a separate control module linked through a 2 meter flexible conduit.

Requires but does not include an appropriate accessory worktube with maximum 170mm outer diameter.

Model	Max temp (°C)	Heat-up time (mins)	Dimensions				External Furnace H x W x D (mm)	Clearance under furnace H (mm)	*Average uniform length ±5°C (mm)	Max power (W)	Thermo-couple type	W't (kg)	Power supply	
			Max o/d access-ory tube (mm)	Tube* / Worktube length (mm)										Control module H x W x D (mm)
				Heated* Furnace body length (mm)	For work in air	**For modified atmosphere work								
GVC 12/450	1200	75	170	450 630	750	1050	1418 x 468 x 662 225 x 600 x 380	177 to 702	300	3100 1500	N	Single, 3 phase or Universal		
GVC 12/600	1200	80	170	600 780	900	1200	1418 x 468 x 662 225 x 600 x 380	177 to 550	440	3900 1800	N	Single phase or Universal		
GVC 12/750	1200	92	170	750 930	1050	1350	1793 x 468 x 662 225 x 600 x 380	177 to 777	500	4600 2200	N	50 Single phase or Universal		
GVC 12/900	1200	111	170	900 1080	1200	1500	1860 x 468 x 662 225 x 600 x 380	100 to 702	640	5400 2800	N	57 Single phase or Universal		
GVC 12/1050	1200	122	170	1050 1230	1350	1650	1943 x 468 x 662 225 x 600 x 380	26 to 627	880	6200 2800	N	68 Single phase or Universal		
GVC 12/1200	1200	81	170	1200 1380	1500	1800	2018 x 468 x 662 225 x 600 x 380	26 to 551	-	7000 3100	N	- Single phase or Universal		

'Universal' models are easily altered between single phase (220V), 3 phase+neutral (e.g. 380/220V) and delta (e.g. 220V) electrical supplies



Continuous operating temperature is 100°C below maximum temperature.

Holding power is measured at the continuous operating temperature.

Uniform length measured with end plugs fitted.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.