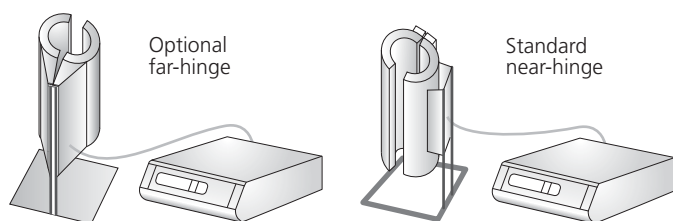


HZS & TVS Wire Embedded Versatile Configuration Three Zone Split Tube Furnaces

Standard features

- ✓ 1200°C maximum operating temperature
- ✓ Accepts accessory worktubes with maximum outer diameters up to 110mm
- ✓ Heated length of 600mm or 900mm
- ✓ Versatile horizontal (HZS) or vertical (TVS) configuration furnaces with separate control module on 2 metre conduit
- ✓ Furnace splits into two halves to accommodate reactor vessels, large workpieces or samples fixed into a test rig
- ✓ Long life, rapid heating, resistance wire elements mounted in rigid, half cylindrical vacuum formed insulation modules
- ✓ Carbolite 301 controller, with single ramp to set-point facility with two back to back 2132 controllers
- ✓ Delayed start / process timer function as standard



TVS 12/600/3216P (near hinge)

Options

specify these at time of order

- ✦ With end zones either 150mm long or with three approximately equal length zones
- ✦ Insulation plugs & radiation shields to prevent heat loss & improve uniformity (strongly recommended for vertical tubes)
- ✦ Non-permeable inner worktubes to contain modified atmosphere
- ✦ 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 with 'L' stand kit for vertical and horizontal use

- ✦ Wall mounting bracket
- ✦ 'Far-hinge' configuration alternatives for the vertical TVS range
- ✦ Control module on longer 6 metre conduit
- ✦ Gas injection & vacuum compatible tube end seal assemblies
- ✦ 3 phase or 'universal' power supply
- ✦ 8 or 20 segment programmer
- ✦ RS232 communications & graphical recorders

Ranges of horizontal (HZS) and vertical (TVS) three zone split tube furnaces heated using wire wound elements. These offer the advantages of increased uniform heated length and a furnace body capable of versatile horizontal, vertical or 'L' stand mounting.

*Requires but does not include an appropriate accessory worktube up to 110mm outer diameter.
Please indicate worktube diameter at time of ordering.*

Model	Max temp (°C)	Heat-up time (mins)	Dimensions				*Average uniform length ±5°C (mm)	Max power (W) Holding power (W)	Thermo-couple type	W't (kg)	Power supply	
			Max o/d accessory tube (mm)	Tube* / Worktube length (mm)								External Furnace H x W x D (mm)
				Heated* Furnace body length (mm)	For work in air	**For modified atmosphere work						
HZS 12/600	1200	45	110	600 750	900	1200	350 x 725 x 410 225 x 600 x 380	500	3000 -	N	40	3 phase or Universal
HZS 12/900	1200	45	110	900 1050	1200	1500	350 x 1050 x 410 225 x 600 x 380	750	4500 1100	N	65	3 phase or Universal
TVS 12/600	1200	45	110	600 750	600	750	700 x 350 x 350 225 x 600 x 380	500	3000 -	N	34	3 phase or Universal
TVS 12/900	1200	45	110	900 1050	1200	1050	1000 x 350 x 350 225 x 600 x 380	750	4500 -	N	44	3 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.