



tube furnaces



HVT 12/60/700

Vacuum Tube Furnaces

This range of 1200°C and 1500°C horizontal vacuum tube furnaces, offers vacuum levels of better than 10^{-5} mbar with a clean empty worktube.

The vacuum system and all controls are housed in the base with one end of the worktube joined to the vacuum system via a stainless steel radiused bend. Access to the tube is via the other end which is fitted with a removable stainless steel flange. Radiation shields are provided for both ends of the furnace to ensure maximum temperature uniformity with minimum loss of pumping speed.

These furnaces include two stage sliding vane rotary pump, water cooled oil diffusion pump, high vacuum baffle valve, roughing/backing valve(s) and Pirani and Penning gauges.

A number of special options is available including gas systems, automatic/semi-automatic vacuum systems, air cooled diffusion pump, cooling water failure alarm, special vertical and custom built designs.

Model	HVT 12/50/550	HVT 12/60/700	HVT 12/80/700	HVT 15/50/450	HVT 15/75/450
Max. Temperature (°C)	1200	1200	1200	1500	1500
Continuous Temperature (°C)	1100	1100	1100	1400	1400
Tube Inside Diameter (mm)	50	60	80	50	75
Heated Length (mm)	550	700	700	450	450
Max. Power (W)	2000	3000	3500	5500	5500
Holding Power (W)	1600	1800	2800	4800	4800
External Dimensions:					
H (mm)	1450	1450	1450	1565	1565
W (mm)	1700	1700	1700	1700	1700
D (mm)	600	600	600	600	600

- 1) Holding power is measured at 100°C below max. temperature, based on 240V supply, with an empty chamber.
- 2) Uniformity graphs are available on request, for most models.
- 3) Heat up time is measured at 100°C below max. temperature with an empty tube.
- 4) Extra information on Uniformity and heat up rate is available on request, due to information varying with application



Thank you for reading this data sheet.

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



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)330 088 0560

Fax: +44 (0)1245 808399

Email: sales@keison.co.uk

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