

# AGD Acid Gas Determinator Furnaces

## Standard features

- ✓ 1200°C maximum operating temperature
- ✓ Designed for combustion testing of electrical cable to BS EN 50267-1:1999
- ✓ Cable samples are heated within the worktubes at a controlled rate of rise, whilst a small flow of air is passed over the samples & analysed (using separate apparatus) for acidity
- ✓ Four IAP tube design gives increased working capacity
- ✓ Fast resistance wire heating at <40 mins to 800°C (better than 20°C/min to 1000°C)
- ✓ Digital temperature controller providing precise setting & repeatability
- ✓ Highly stable temperature control – the temperature at the centre of each tube will be within  $\pm 5^\circ\text{C}$  over a length of 300mm\*\*
- ✓ Low thermal mass insulation
- ✓ Power control by solid state relay, incorporating zero voltage switching

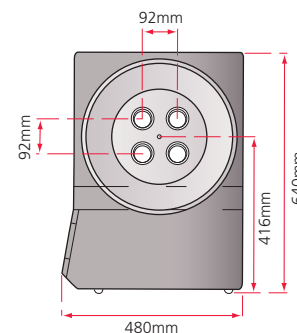
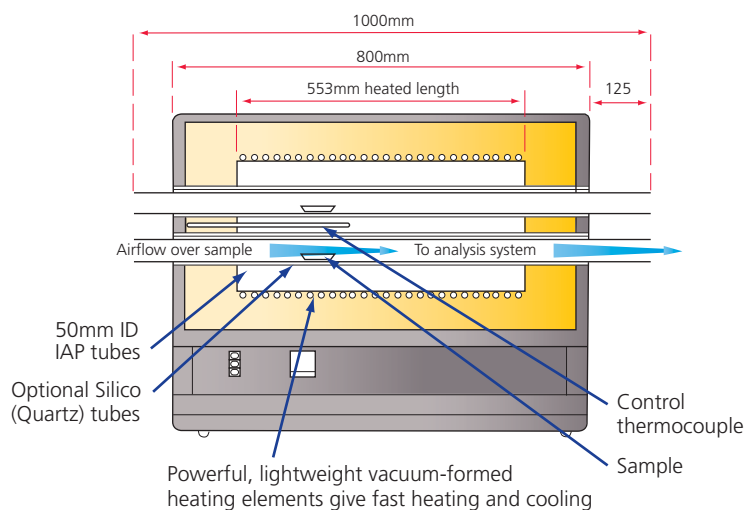


AGD 12/4

## Options

*specify these at time of order*

- ✦ Fused silica inner tubes 41mm inner diameter x 45mm outer diameter x 1000mm (NOTE fused silica tends to devitrify when used above 1000°C)
- ✦ Programmable control to provide automatic cooling after the timed hold at maximum that is required by the standard



Model	Max temp (°C)	Temp range (°C)	Heat-up time (mins) to 1000°C	Dimensions			Max power (W)	Thermo-couple type	Weight (kg)	Power supply
				No. worktubes	Worktube dimensions L x inner Ø x outer Ø (mm)	External H x W x D (mm)				
AGD 12/4	1200	400 to 1200	<40	4	800 x 50 x 60	640 x 800 x 480	1100	N	8.8	Single Phase 220-240V 50/60Hz 20A



\* Heat up time is measured 100°C maximum temperature with empty tubes.

\*\* With no gas flow – BSEN 50267-1 1999 requires  $\pm 17.5^\circ\text{C}$  with a 'small' gas flow.

IAP is Impervious Aluminous Porcelain.

Continuous operating temperature is 100°C below maximum temperature.



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.