ASHING FURNACES

- Our Ashing Furnace range comprises two of our most popular chamber sizes.

When ashing materials a good airflow through the chamber is essential for complete combustion. We ensure this with a 50mm bore chimney, 610mm high which gives the required air flow. Air is drawn through inlets in the back of the furnace under the hearth tile, being pre-heated before entering the chamber, passing over the samples and travelling up the chimney.

Vecstar Ashing Furnaces incorporate numerous safety features such as a vertically opening door to keep the hot insulation plug away from the operator, automatic shut-off switch that kills the power to the elements when the door is opened and a double steel skin ensuring the outer surface is as cool as possible. Only ultra 'high grade' insulation materials are used to ensure our furnaces are as energy efficient as possible.

Also available is a wide range of equipment and extras such as crucibles, tongs and furnace tables,

Model		AF								VF	
		1	2	3	4	5	6	2	3	1	2
Chamber size (m/m)	H	90	90	200	140	165	200	100	150	100	150
	W	180	180	200	135	160	200	150	180	150	180
	D	355	455	350	200	270	350	305	355	255	355
External size (m/m)	H	595	595	950	820	870	950	725	775	775	825
	W	455	455	640	570	570	640	600	600	700	700
	D	550	730	890	880	915	950	600	650	550	650725
Volume (litres)		5.7	7.2	14	3.8	7.1	14	4.6	9.6	3.8	9.6
Max. temperature		1200°C			1800°C					1600°C	
Max. continuous working temperature		1150°C			1750°C					1550°C	
Temperature sensor		Type 'K'			Pt 20% Rh / Pt 40% Rh						
Maximum power rating (kW)		3	3.9	9	5.5	7.6	12	5.3	7	4.5	7.5
Holding Power @ 1000°C (kW)		1.2	1.6	3.6	2.2	3	4.6	2.1	2.8	1.8	3
Net Weight (kg)		57	65	81	120	145	70	81	89	95	107
Electrical Supply		1 PH								1 PH	
Power control		Solid State Relay									
Over temp protection		Thermal Fuse Standard									
Insulation material		A combination of low thermal mass materials and refractory brick									
Chimney		Standard									

ABOUT VECSTAR

We build furnaces, ovens and hot plates for industry, laboratories and educational institutions. During the 30+ years Vecstar have been established, a comprehensive range of advanced electric heating equipment has been developed.

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