

MUFFLE FURNACES

STANDARDS: EN 12697-1 Clause C, EN 13108

Designed for high temperature heating.

The furnaces cover a range from 1100°C to 1500°C.

The thermic insulation is in ceramic fiber plate and firebrick to avoid the smallest heating leakage and so it takes a great energetic saving.

External Surface Material Electrostatic powder painted.

Muffle Furnaces has Programmable PID Microprocessor Control System, Digital Display, Easy to use Control Panel and a wide flue to eliminate the chemical smoke.

A1 quality wire resistance is used in 1100 °C and 1200 °C Muffle Furnaces, APM quality wire resistance is used in 1300 °C Muffle Furnaces, Silicon carbide resistance is used in Muffle Furnaces between 1400 °C and 1500 °C.

N type thermocouple is used in 1100 °C and 1200 °C Muffle Furnaces, S and B type thermocouples are used in Muffle Furnaces between 1300 °C and 1500 °C.

Temperature Sensitivity is 2 °C in all Muffle Furnaces.



HR-A0602

Technical Specifications:

Product Code	Product Name	Max. Temp. (°C)	Cont. Op. Temp. (°C)	Volume (L)	Int. Dimensions (cm)	Ext. Dimensions (cm)	Power Supply
HR-A0600	Muffle Furnace	1100	1050	3	13x13x18	35x38x37	220 V, 50-60 Hz, 1 ph
HR-A0601	Muffle Furnace	1100	1050	7	19x15x25	43x51x47	220 V, 50-60 Hz, 1 ph
HR-A0602	Muffle Furnace	1100	1050	8	17x14x20	43x51x47	220 V, 50-60 Hz, 1 ph
HR-A0603	Muffle Furnace	1100	1050	9	21x17x25	49x56x53	220 V, 50-60 Hz, 1 ph
HR-A0604	Muffle Furnace	1100	1050	10	21x19x25	49x56x53	220 V, 50-60 Hz, 1 ph
HR-A0605	Muffle Furnace	1100	1050	15	25x20x30	49x56x53	220 V, 50-60 Hz, 1 ph
HR-A0606	Muffle Furnace	1100	1050	30	30x25x40	56x64x65	380 V, 50-60 Hz, 3 ph
HR-A0607	Muffle Furnace	1100	1050	40	32x25x49	56x64x65	380 V, 50-60 Hz, 3 ph
HR-A0610	Muffle Furnace	1200	1150	3	13x13x18	35x38x37	220 V, 50-60 Hz, 1 ph
HR-A0611	Muffle Furnace	1200	1150	7	19x15x25	43x51x47	220 V, 50-60 Hz, 1 ph
HR-A0612	Muffle Furnace	1200	1150	8	17x14x20	43x51x47	220 V, 50-60 Hz, 1 ph
HR-A0613	Muffle Furnace	1200	1150	9	21x17x25	49x56x53	220 V, 50-60 Hz, 1 ph
HR-A0614	Muffle Furnace	1200	1150	10	21x19x25	49x56x53	220 V, 50-60 Hz, 1 ph
HR-A0615	Muffle Furnace	1200	1150	15	25x20x30	49x56x53	220 V, 50-60 Hz, 1 ph
HR-A0616	Muffle Furnace	1200	1150	30	30x25x40	56x64x65	380 V, 50-60 Hz, 3 ph
HR-A0617	Muffle Furnace	1200	1150	40	32x25x49	56x64x65	380 V, 50-60 Hz, 3 ph
HR-A0620	Muffle Furnace	1300	1250	3	13x13x18	35x38x37	220 V, 50-60 Hz, 1 ph
HR-A0621	Muffle Furnace	1300	1250	7	19x15x25	43x51x47	220 V, 50-60 Hz, 1 ph
HR-A0622	Muffle Furnace	1300	1250	8	17x14x20	43x51x47	220 V, 50-60 Hz, 1 ph
HR-A0623	Muffle Furnace	1300	1250	9	21x17x25	49x56x53	220 V, 50-60 Hz, 1 ph
HR-A0624	Muffle Furnace	1300	1250	10	21x19x25	49x56x53	220 V, 50-60 Hz, 1 ph
HR-A0625	Muffle Furnace	1300	1250	15	25x20x30	49x56x53	220 V, 50-60 Hz, 1 ph
HR-A0626	Muffle Furnace	1300	1250	30	30x25x40	56x64x65	380 V, 50-60 Hz, 3 ph
HR-A0627	Muffle Furnace	1300	1250	40	32x25x49	56x64x65	380 V, 50-60 Hz, 3 ph
HR-A0630	Muffle Furnace	1400	1350	5	14x15x25	50x53x52	380 V, 50-60 Hz, 3 ph
HR-A0631	Muffle Furnace	1400	1350	9	18x20x25	50x53x52	380 V, 50-60 Hz, 3 ph
HR-A0632	Muffle Furnace	1400	1350	15	25x20x30	49x56x53	380 V, 50-60 Hz, 3 ph
HR-A0640	Muffle Furnace	1500	1450	5	14x15x25	50x53x52	380 V, 50-60 Hz, 3 ph
HR-A0641	Muffle Furnace	1500	1450	9	18x20x25	50x53x52	380 V, 50-60 Hz, 3 ph
HR-A0642	Muffle Furnace	1500	1450	15	25x20x30	49x56x53	380 V, 50-60 Hz, 3 ph

Platinum Crucibles and Molds are also available as optional for use in Muffle Furnaces.

Platinum Crucibles and Molds are 95/5 Platinum/Gold alloy.

Can be produced in special sizes upon request.



HR-A0650



HR-A0660

Platin Crucibles*

Product Code	Product Name	Lower inner dia. (mm)	Upper inner dia. (mm)	Outer edge (mm)	Height (mm)	Base Thickness (mm)	Weight (gr)
HR-A0650	Platin Crucible (95pt/5Au)	20	34	---	38	0,4	35
HR-A0651	Platin Crucible (95pt/5Au)	22	39	---	43	0,4	45
HR-A0652	Platin Crucible (95pt/5Au)	26	44	---	38	0,4	55
HR-A0660	Platin Mold (95pt/5Au)	29	31	41	3	0,8	28
HR-A0661	Platin Mold (95pt/5Au)	32	34	41	3	0,8	30
HR-A0662	Platin Mold (95pt/5Au)	34	36	51	3	0,8	47
HR-A0663	Platin Mold (95pt/5Au)	38	40	51	4	0,8	48
HR-A0664	Platin Mold (95pt/5Au)	39	41	51	3	0,8	48

*Can be produced in special sizes upon request.