

Muffle Furnace

MF



SORAJ INSTRUMENTS offers muffle furnace for various R&D sector, laboratories, educational institute & pharmaceutical industries to suit the I.S. & A. S t. M standards. To reduce heat energy, here we provide double-walled construction, inner case is made of high quality ceramic pot of alumina grade, & outer wall is made of good quality M.S. Sheet duly painted with stove enamel or powder coated, delivering rust proof & long lasting performance. The gap in between as filled with glass wool ensuring maximum thermal efficiency. Heating elements are made of kanthal "A-1" grade of wire. For precious temperature control, here we use ON-OFF temperature controller of type "K" having range up to 1200°C. For status indication purpose ,one" load LED" used here to indicate furnace heater ON or OFF condition & one " power LED " used here to indicate power ON or OFF condition. A heavy duty electro mechanical contactor used as final control element making ON or OFF to heater coils.

Sl. No.	Parameter	Variants
1	Maximum and Operating Temperature	• Maximum Up to 1200°C & Operating Up to 1100°C
2	Auxiliary Supply	• 230V / 440V AC, 50Hz.
3	Muffle Pot / Tiles Construction	• High Grade Ceramic / Alumina
4	Digital Temperature Controller	• ON-OFF Type / PID Controller / Profile Controller
5	Pot / Tiles Size	• 4"X4"X9" / 5"X5"X10" / 6"X6"X12" / 8"X8"X12" / 12"X12"X12" / (User's Defined Size)
6	Power Consumption	• 1.2KW to 9KW (As Per Dimension & Rate of Heating)
7	Final Control Element	• Relay / Power Contactor / SSR / Thyristor Drive

Ordering Information For Model Selection:-

MF	1	2	3	4	5	6
	Muffle Pot Size (WxHxD)	Paint	Controller	Coils Discription	Inner Construction	Supply Phase & Wattage
	"4" For 4"X4"X9"	"P" For Powder Coating	"IDTC" For Integrated Digital Controller	"S" For Simplex	"TC" For Tiles Closed	"S/-KW" For Singel Phase
	"5" For 5"X5"X10"	"SE" For Stove Enameld	"SDTC" For Separate Digital Controller	"D" For Duplex	"TO" For Tiles Open	"D/-KW" For Double Phase
	"6" For 6"X6"X12"		"IPID" For Intrigated PID Controller		"PC" For Pot Closed	"T/-KW" For Three Phase
	"8" For 8"X8"X12"		"SPID" For Separate PID Controller		"PO" For Pot Open	
	"12" For 12"X12"X12"					

Example:-

MF	6	SE	IDTC	D	TC	S/2KW
	Muffle Pot Size (WxHxD)	Paint	Controller	Coils Discription	Inner Construction	Inner Construction
	"6" For 6"X6"X12"	"SE" For Stove Enameld	"IDTC" For Integrated Digital Controller	"D" For Duplex	"TC" For Tiles Closed	"S/-KW" Singel Phase 2 KW

* Due to continuous development & improvements in design, we reserve the right to change the specification without notice



SORAJ INSTRUMENTS & CONTROL ENTERPRISE

(An ISO 9001:2015 & 14001:2004 Certified & NSIC Approved Company)

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