



MUFFLE FURNACE :-

Spire Automation & Innovation Muffle Furnace is light on weight and has ceramic wool insulation instead of brick insulation. Taking about the outer casting of this furnace which has been made out of double walled thick PCRC sheet, duly painted with attractive stove enamel. Heating elements are made of Kanthal A-1 wire and backed by high temperature ceramic wool insulation, which avoids loss of energy.

It has one microprocessor based PID controller fitted in front of the furnace with two pilot lamps, apart from that this apparatus is complete with one pyrometer, thermocouple, silver thermal fuse and is being plugged with main lead. It works on 20/230Volts AC or 400/440 Volts AC as per size.



SAILENT FEATURES:

- Temperature range up to 1450 °C
- K type thermocouple (Ni-Cr) for furnace having temperature range up to 1300°C max & B type thermocouple (Pt-Rh) for furnace having temperature above 1300°C
- Heating element: Kanthal A1 grade wire
- High density ceramic fibre insulation
- Accuracy: ± 3°C
- It works on 230V AC, 50 Hz supply.
- Triple walled unit for better thermal safety
- Overload safety cutoff provided as standard feature

SPECIFICATION:

Model (A/B/C)	SAII-MF-900	SAII-MF-1000	SAII-MF-1100	SAII-MF-1200	SAII-MF-1300	SAII-MF-1450
Temp max	900°C	1000°C	1100°C	1200°C	1300°C	1450°C
Working temp	850°C	950°C	1050°C	1150°C	1250°C	1400°C
Internal dimension (WxDxH inch)	4 x 4 x 9 (A)	4 x 4 x 9 (A)	4 x 4 x 9 (A)	4 x 4 x 9 (A)	4 x 4 x 9 (A)	4 x 4 x 9 (A)
	6 x 6 x 12 (B)	6 x 6 x 12 (B)	6 x 6 x 12 (B)	6 x 6 x 12 (B)	6 x 6 x 12 (B)	6 x 6 x 12 (B)
Power consumption (KW)	8 x 8 x 18(C)	8 x 8 x 18(C)	8 x 8 x 18(C)	8 x 8 x 18(C)	8 x 8 x 18(C)	8 x 8 x 18(C)
	A- 1.5	A- 1.5	A- 1.75	A- 1.75	A- 2	A- 2
	B- 2.5	B- 2.5	B- 2.75	B- 2.75	B- 3	B- 3
	C- 4	C- 4	C- 4.25	C- 4.25	C- 4.5	C- 4.5

Optional:

- Thermal chart recorder
- Spare Silicon Carbide Heating rod to cost extra
- Software to interface furnace directly to computer for storing data & print