

ISO 9001-2015,WHO, FDA,
European CE Nortified &
ISO-13485 Certified



ALPHA^R
SUDARSHAN

CE
European CE
Nortified



ASE-148 & 149

ASE-148 Muffle Furnace Rectangular ALPHATM

Light weight with creamic fibre wool insulation. The outer & inner casing is made of double walled thick Stainless Steel sheet, reattached with thick perforated sheet on the bottom portion. Heating elements are made of Silicon Carbide and backed by high temperature wool insulation, which avoids loss of energy. Temperature control unit consists of Energy Regulator, fitter in front of furnace with two pilot lamps. The apparatus is complete with thermocouple, silver thermal fuse, main lead with power plug. To work on 220/230 volts or 400/440 volts A.C. Temperature Control Through microprocessor Based PID controller Digital with double display with an accrucy of $\pm 1^{\circ}\text{C}$. This marking does not indicate temperature. It indicates control level i.e. at Position '100' maximum electricity is allowed to flow to Furnace. Maximum Temp. is 550°C and Working Temp. 500°C . For model of higher temperature the maximum temp. is 950°C and working temp 900°C . Complete with long wire & three pin socket. **Other changes will be done on request or as per user specification.**

Muffle Size (W x D x H)	Rating (Working 500°C)	Rating Working 950°C	WORKING 900°C
(a) 100x100x225mm.	1.5	3.0	
(b) 125x125x225mm.	2.0	4.0	
(c) 125x125x300 mm.	2.5	5.0	
(d) 150x150x300mm.	3.5	7.0	
(e) 200x200x300mm.	5.0	10.0	
(f) 300x300x300mm	5.0	10.0	
(g) 175x175x475mm.	5.0	10.0	

OPTIONAL ACCESSORIES

- (a) Solid State Electronic Blind Controller in lieu of Energy Regulator.
- (b) Digital Temperature Indicator-cum-Controller.

ASE-149 Muffle Furnace (Industrial Grooved Type) ALPHATM

Light weight with ceramic fibre wool insulation (instead of Brick Insulation). The outer casing is made of double walled thick P.C.R.C. Sheet, reattached with thick perforated sheet on the bottom portion, painted with attractive stove enamel. Heating elements are made of KANTHAL "A-1" wire and inside chamber is made of GROOVED REFRACTORY for supporting the heating elements on four sides and backed by high temperature cerwool insulation, which avoids loss of energy. Temperature control unit consists of Energy Regulator, fitted in front of furnace with two pilot lamps. The apparatus is complete with power plug. TO work in 220.230 volts or 400/440 volts A.C. The energy regulator dial is arbitrarily marked 0-100 position, This marking does not indicate temperature. In indicates control level i.e., at Position '100' maximum electricity is allowed to flow to Furnace. At Position 'O' minimum electricity is allowed to flow to Furnace. At Position 'O' minimum electricity is allowed flow to Furnace. The unit has a working temperature of 100°C with maximum upto 1200°C . and working temp 1100°C or 1150°C Complete with long wire & three pin socket. **Other changes can be done on request or as per user specification..**

MUFFLE SIZE (W x D x H)	RATING	WORKING 1100°C	WORKING 1150°C
(a) 125x125x300mm.	4.0 KW		
(b) 150x150x150mm.	4.5 KW		
(c) 200x200x300mm.	6.0 KW		
(d) 300x300x300mm.	10.0 KW		

OPTIONAL ACCESSORIES

- (a) Solid State Electronic Blind Controller
- (b) Digital Temperature Indicator-cum-Controller.

Manufactured By : SUDARSHAN CHEMICALS India 324007 0744-2362345, 09414188018

CE, ISO 9001:2015, WHO, FDA & ISO-13485 CERTIFIED
With first prize awarded at Haroti Udyog Mela year 2003