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**MUFFLE
FURNACE**



**3000
SERIES**

EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

Features

Sturdy construction for long term use : Compact in design and space saving

Available with 800°C to 1800°C temperature : Safe and trouble free performance

Microprocessor PID controller : Over temperature and short circuit breaker

High ceramic fiber blanket and board insulation : Ventilation or chimney at the back

Only branded heating elements are used : Uniform heating inside chamber

CE and ISO marked : Comply to DIN and ASTM standards

►► Temperature Range:

To meet unique needs of every application, our muffle furnaces or box furnaces are available in temperature range from 800°C to 1800°C

►► Usability & Performance:

Usability is one of the major factors that one should look into while buying heating equipment and with Analytical Technologies Limited Muffle Furnace systems you experience unmatched convenient working performance. All our electric muffle furnaces feature rust and corrosion free stainless steel housing, compact and light weight construction and branded heating elements and programmable PID controller, ensure safe operation every time.

►► Safety Features:

These systems are microprocessor controlled programmable muffle furnaces that offer easy and safe operation even at high temperature. These systems are designed with your safety in mind. Multi-layered insulation keeps external surfaces (cabinet) cool to the touch. Door safety switch (optional accessory) stops power to heating elements when door is opened.

| Model | BST/MF/900 | BST/MF/1100 | BST/MF/1450 | BST/MF/1800 |
|-------------------------------|--|-------------|-----------------------|-----------------------------|
| Max. Temperature | 900°C | 1100°C | 1450°C | 1800°C |
| Working Temperature | 800°C | 1000°C | 1350°C | 1700°C |
| Heating Element | Kanthal A-1 | | Silicon Carbide (SiC) | Molybdenum Silicide (MoSi2) |
| Temperature Accuracy | +/- 1°C (+/- 1.8°F) | | | |
| Temperature Controller | PID controller | | | |
| Display | LED / LCD Display | | | |
| External Chamber Construction | MS w/ Powder Coating / 304 Grade Stainless Steel (Optional) | | | |
| Internal Chamber Construction | Ceramic Board & Grooved Refractory Chamber as per Temp. Requirement | | | |
| Insulation | Ceramic wool insulation | | | |
| Alarm | Audible & Visual type | | | |
| Power Supply | 220 / 440 Volts | | | |
| Certification | ISO, CE & GMP | | | |
| Stabilizer | As standard | | | |
| Optional Accessories | <ul style="list-style-type: none"> - Provision for Printer - Data logger - Safety switch on door - Temperature Chart Recorder - Extra port for gas - Extra heating element & rod with clips - Extra thermocouple - Tongs - Gloves | | | |

►► Standard Inner Chamber Sizes

| | | | | | | | |
|--------------------|-----------|------------|------------|------------|------------|--------------|--------------|
| Dimension (Inches) | 4 x 4 x 9 | 5 x 5 x 10 | 5 x 5 x 12 | 6 x 6 x 12 | 8 x 8 x 12 | 12 x 12 x 12 | 18 x 18 x 18 |
| Volume (Liter) | 2 | 4 | 5 | 7 | 13 | 28 | 96 |

▶▶ **Regulatory compliances**



▶▶ **Corporate Social Responsibility**

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



Analytical
Foundation

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

▶▶ **Reach us @**



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