

DATA SHEET

Muffle furnaces

EN 1367-5 | EN 196-2 | EN 459-2 | EN 12697-1

GENERAL DESCRIPTION

A Muffle Furnace is an oven used for Research applications in which a sample is subjected to high temperatures to determine what proportion is non-combustible and non-volatile.

The 10-D1418/D and 10-D1419/A Muffle Furnace model covers all requirements of a construction materials laboratory, ranging from aggregates, cement to concrete and asphalt testing. This model can also be programmed to set temperature ramp.

Controlled by a microcomputer temperature controller with a PID parameter's self-tuning function, the CONTROLS Muffle Furnace can program up to 30 segments to meet temperature control and maintain constant temperature requirements. Heating elements are built from high temperature alloy resistance wire ensuring low maintenance and long shelf life.

10-D1418/D has an internal capacity of 7 liters aprox. while 10-D1419/A has a larger capacity. 30 liters.

Main Features

- Chamber size: 200 x 300 x 120 mm (WxDxF) For 10-D1418/D
- External size: 480 x 630 x 630 mm (WxDxF) For 10-D1418/D
- Chamber size: 300 x 500 x 200 mm (WxDxF) For 10-D1419/A
- External size: 600 x 870 x 735 mm (WxDxF) For 10-D1419/A
- Rated Max Temp: 1,200°C
- Temperature stability: ±1°C
- Heating speed: 1 - 20°C/min

TECHNICAL SPECIFICATIONS

Models 10-	D1418/D D1418/DZ	D1419/A
Max. temperature	1200°C	1200°C
Accuracy	±1°C	±1°C
Power	3 kW	7.5 kW
Inside dim. cm	20x30x11	30x50x20
Outside dim. cm	48x63x63	60x87x74
Weight approx.:	80 kg	135 kg

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Reference standards	EN 12697-1 ; EN 131108 EN 196-1 ; EN 196-2 ; EN 459-2	EN 1367-5
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ORDERING INFO

10-D1418/D

Muffle furnace, 1200°C max temperature. About 7 liters. 230 V, 50-60 Hz, 1 ph

10-D1418/DZ

Muffle furnace, 1200°C max temperature. About 7 liters. 110 V, 60 Hz, 1 ph

10-D1419/A

Muffle furnace, 1200°C max temperature, high capacity, 30 liters. 380 V, 50-60 Hz, 3 ph

ACCESSORIES

48-D0454/1

Metal test plate, 440x240x4 mm thick with 12 mm high turned lip.

48-D0454/2

Metal support frame for metal test plate.

48-D0454/3

Fire proof plate 450x250x10 mm thick.

48-D0454/4

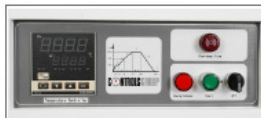
Stainless steel sieve fabric, 2 mm aperture, 250x445 mm size



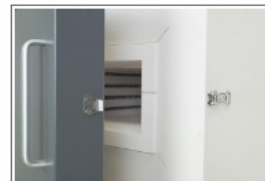
10-D1418/D



10-D1418/D



10-D1418/D



10-D1418/D



10-D1418/D