

# MUFFLE FURNACE

## ASH FROM PETROLEUM PRODUCTS

### SPECIFICATIONS

#### Standards

ASTM D 482, D 874, IP4, and related methods.

#### Key Features

- Automatic control of temperature by electronic PID controller
- 3 L capacity
- Temperature range from Ambient to 1100°C
- With natural air circulation and chimney
- Time from ambient to 1100 °C: 50 min.
- Heating from two sides by ceramic heating plates
- Housing made of sheets of textured stainless steel
- Dual shell housing for low external temperatures and high stability
- Exhaust air outlet in rear wall of furnace

### ORDERING INFORMATION

#### Scope of delivery :

**23963** Instrument is delivered with:

- 1 Set of heating elements PN 23964
- 1 Thermocouple K (160mm) PN 23965

#### Site requirements:

Power Supply: AC 230 V - 50 Hz - 6 A

Weight: 20 kg

Dimensions:

- Internal size: 160x140x100 mm
- External size: 380x370x420 mm



Reagents: Propanol-2, Toluene and Sulfuric acid are necessary - To be supplied locally

## ACCESSORIES

### ACCESSORIES FOR ASTM D 482

#### Necessary accessories

|                  |                                                      |
|------------------|------------------------------------------------------|
| <b>REF 10532</b> | Pack of 6 porcelain dishes, 100 ml, flat bottom      |
| <b>REF 10728</b> | Glass rod dia. 6mm, length 200mm                     |
| <b>REF 15657</b> | Filter papers (ashless) pack of 100 (dia. 70mm)      |
| <b>REF 24221</b> | Analytical balance EAB 224e, capacity 220 g : 0,1 mg |
| <b>REF 10687</b> | Stainless curved crucible tong                       |
| <b>REF 10702</b> | Glass balls dia. 2 mm (1 kg)                         |
| <b>REF 27083</b> | Meker burner                                         |
| <b>REF 14110</b> | Tube for propane gas 6 x12 mm (10 m)                 |
| <b>REF 27203</b> | Glass dessiccator                                    |

#### Optional accessory

|                  |                                       |
|------------------|---------------------------------------|
| <b>REF 10770</b> | Porcelain plate for dessiccator 27203 |
|------------------|---------------------------------------|

### ACCESSORIES FOR ASTM D 874

#### Necessary accessories

|                  |                                                      |
|------------------|------------------------------------------------------|
| <b>REF 24221</b> | Analytical balance EAB 224e, capacity 220 g : 0,1 mg |
| <b>REF 15657</b> | Filter papers (ashless) pack of 100 (dia. 70mm)      |
| <b>REF 10687</b> | Stainless curved crucible tong                       |
| <b>REF 27203</b> | Glass desiccator                                     |

#### Optional accessory

|                  |                                       |
|------------------|---------------------------------------|
| <b>REF 10770</b> | Porcelain plate for dessiccator 27203 |
|------------------|---------------------------------------|

#### Crucibles at choice

|                  |                                                   |
|------------------|---------------------------------------------------|
| <b>REF 10508</b> | Porcelain crucible, 40 ml tall form (pack of 6)   |
| <b>REF 10509</b> | Porcelain crucible, 80 ml, low form (pack of 6)   |
| <b>REF 10510</b> | Porcelain crucible, 120 ml, tall form (pack of 6) |
| <b>REF 10515</b> | Porcelain crucible, 80 ml low form (pack of 6)    |
| <b>REF 10532</b> | Porcelain dish, 100 ml, flat bottom (pack of 6)   |
| <b>REF 15377</b> | Silica crucible (50 ml tall form)                 |
| <b>REF 15386</b> | Silica crucible (75 ml low form)                  |
| <b>REF 15387</b> | Silica crucible (130 ml low form)                 |



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