

# **BUEHLER®**

## **Polimet® 1000**

### **VARIABLE SPEED GRINDER/POLISHER**

- **Mounts in Laboratory Countertops**
- **Available with either 8" (203mm) or 12" (305 mm) Diameter Platens**
- **Variable Speed Control**
- **Powerful 1Hp (750 W) Motor**
- **Sturdy Aluminum Base**
- **Integral Bowl and Rinsing Sink**
- **Easy-To-Use Control Panel**
- **Built-In Bowl Flush**
- **Pop-Up Water Dispensing Arm**
- **Removable Splash Guard**
- **Built-in Fuse Protection**



## Technical Data

The PoliMet® 1000 is a high torque, variable speed grinder-polisher engineered for manual preparation of today's materials. This polisher offers the combination of variable speed and high torque needed for aggressive grinding and polishing.

The conveniently located controls allow the operator to accurately set the polishing speed between 100 and 1200 rpm. The electronic circuitry is designed to maintain the preset wheel speed over any loading conditions encountered in today's laboratories. Speed control ensures greater consistency in preparation time to create the same high quality surface finish from sample to sample.

## Ordering Information

Includes one bronze platen, a selection of grinding paper and polishing cloth samples, 10' (3m) power cord with stripped wire ends and operating instructions.

### 47-2890-160 PoliMet® 1000

12" (305mm) Platen with Sink, 115 VAC, 60 Hz, 1 phase

### 47-2890-250 PoliMet® 1000

12" (305mm) Platen with Sink, 230 VAC, 50 Hz, 1 phase

### 47-2895-160 PoliMet® 1000

8" (203mm) Platen with Sink, 115 VAC, 60 Hz, 1 phase

### 47-2895-250 PoliMet® 1000

8" (203mm) Platen with Sink, 230 VAC, 50 Hz, 1 phase

## Specifications

### Motor Power:

1Hp (750 W)

### Platen Speed:

100 - 1200 rpm

### Water Supply:

0.25" (6.35mm) hose, 40-100 psi (2.8-6.9 bar)

### Drain Connection:

1" (25mm) hose

### Safety Standards:

CE marked, EC applicable directives

## Cutout Dimensions

12" (305mm) Platen with Sink

• 17.82" D x 22.83" W (70mm x 90mm)

8" (203mm) Platen with Sink

• 15.88" D x 20.75" W (63mm x 82mm)



The front panel incorporates an on/off toggle switch and platen speed control knob.



The cover keeps debris away from the platen when not in use.



The integral sink and faucet allows fast sample cleaning between steps.

For a complete listing of consumables, please refer to our Consumables Buyer's Guide. Buehler continuously makes product improvements; therefore, technical specifications are subject to change without notice.

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