

BUEHLER ECOMET® POLISHER/GRINDERS



The ECOMET® series of 8" (20.3 cm) Polisher/Grinders has all the features needed to meet the metallographers' total sample preparation requirements. The three models, ECOMET® I, ECOMET® II and ECOMET® III, all feature an attractive tabletop design compatible with other BUEHLER sample preparation equipment. These low maintenance units, with easy access to all moving parts, are the most economically priced U.S. manufactured polisher/grinders meeting the high BUEHLER standard.

All ECOMET® models are gear driven, high torque units, incorporating a noise dampening connection between the motor and transmission. Each unit is equipped with a non-corroding, non-conductive aluminum wheel which enables the microstructural analyst to use a single wheel for all samples regardless of com-

position. The standard BUEHLER tapered spindle nose accommodates the entire spectrum of available wheels and laps.

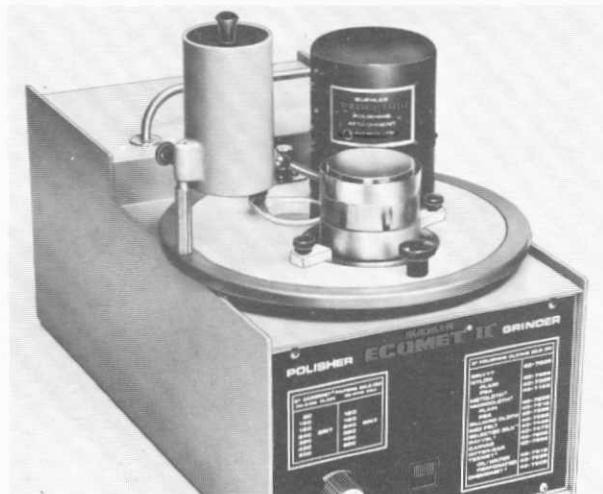
Each unit is equipped with a standard BUEHLER splash ring and aluminum cover. The easy to clean, non-corroding plastic bowl and corrosion resistant plumbing are an added plus. Both ECOMET® II and ECOMET® III have a swing spout water faucet and front mounted water control valve to provide the running water necessary for most grinding operations.

The ECOMET® II and III Polisher/Grinders accommodate the AUTOMET® Attachment, which makes it possible for all sample preparation stages, fine grinding through final polishing, to be accomplished semi-automatically. All three units accept the PETRO-THIN® Polishing Attachment.

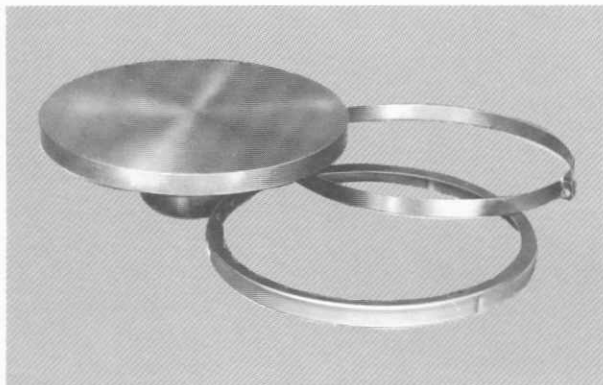
ECOMET®



ECOMET® III with AUTOMET® Attachment



ECOMET® II with PETRO-THIN® Attachment



40-4058 Aluminum Wheel with Cloth Clamp and Paper Holding Band



ECOMET® III Control Panel

SPECIFICATIONS

No. 49-1601 ECOMET® I POLISHER/GRINDER, 8" (20.3 cm), corrosion resistant modified epoxy coated table-top cabinet, glass-fiber reinforced plastic bowl with drain, cover and removable splash ring. 1/8 HP single speed motor, 115 V., 60 Hz., 1 ϕ , right angle gear reduction for 350 RPM, illuminated on-off switch, cord and plug. Complete with No. 40-4058 heavy duty non-conductive aluminum wheel. Samples of CARBIMET® paper and polishing cloth. Operating instructions.

No. 49-1602 ECOMET® II POLISHER/GRINDER, 8" (20.3 cm), corrosion resistant modified epoxy coated table-top cabinet, glass-fiber reinforced plastic bowl with drain, swing faucet, panel mounted water control knob, cover and removable splash ring. 1/8 HP single speed motor, 115 V., 60 Hz., 1 ϕ , right angle gear reduction for 175 RPM, illuminated on-off switch, cord and plug. Complete with No. 40-4058 heavy duty non-conductive aluminum wheel. Samples of CARBIMET® paper and polishing cloth. Operating instructions.

Available for operation on other electrical services.

No. 49-1650 ECOMET® III POLISHER/GRINDER, 8" (20.3 cm), corrosion resistant modified epoxy coated table-top cabinet, glass-fiber reinforced plastic bowl with drain, swing faucet, panel mounted water control knob, cover and removable splash ring. 1/8 HP DC motor, solid state speed control, 115 V., 60 Hz., 1 ϕ , infinitely variable speeds 50-500 RPM, illuminated on-off switch, cord and plug. Complete with No. 40-4058 heavy duty non-conductive aluminum wheel. Samples of CARBIMET® paper and polishing cloth. Operating instructions.

ALL ECOMET® POLISHER/GRINDERS

Overall dimensions: 12" W x 24" D x 12" H
(30 x 61 x 30 cm)

Approx. shipping weight:

ECOMET® I 80 lbs. (36 kg)
ECOMET® II & III 90 lbs. (41 kg)

(See pages 33-35, 40-50, 52, 53 for Consumables).