

Rectifiers & Transformers

Zinex introduces a new generation of automatic control rectifiers and transformers superior in efficiency, quality and trouble-free operation.

No Hidden Extras

All Units are complete and ready to operate.

Standard Features:

- ▶ Oil cooled for efficient, corrosion-free operation
- ▶ Ripple effect less than 5% at all normal loading
- ▶ Remote Control without extras or modifications
- ▶ Automatic constant voltage or automatic constant current by simple button selection
- ▶ Solid state throughout - no moving parts
- ▶ Digital amp and volt meters (optional extra)
- ▶ Amp hour counters (optional extra)



GENERAL DESCRIPTION

Free-standing, natural oil cooled combined Rectifier and Transformer, complete with stepless control automatic constant voltage or amperage output. Low ripple at all loading. Solid state throughout.

APPLICATIONS

Specially designed for the Electro Plating industry in general, but particularly important when used for ripple-sensitive processes such as bright and hard chrome plating.

CONSTRUCTION

All units are manufactured to our exacting standards using the most modern production techniques.

- Robust steel oil tank suitably reinforced with sealed top plate, oil level indicator, and lifting eyes. Cooling radiators are fitted to larger models.
- Easily removable control box for remote application.
- Rectifier, transformer & SCR's are integrated into common frame and emersed in oil.
- All internals are removable from the oil tank as a unit, for ease of inspection and repair.

FINISH

Special silicone hammer finish paint applied to a self-etch primer base. Standard color is cobalt blue. Other colors by special request.

METERS & CONTROLS

- Analog amp and volt meter (Digital - optional extra)
- On/off push button with indicator light
- Main incomer isolation breaker with overload protection
- Constant voltage or constant amperage regulator

AUTOMATIC CONTROL IS STANDARD TO GIVE:

- Constant voltage with varying amperage; or
- Constant amperage with varying voltage

SPECIFICATIONS

Standard Range: Delivery usually in-stock, subject to previous sale

Any size, voltage and/or current variation available upon request

Note: 110 V Single Phase laboratory units and other sizes to suit your requirements are available by special order.

Ripple effect:	5% at normal loadings. (Lower ripple effect by special order.)
Type of rectification:	Silicone diode - 6 phase double star
Voltage control:	Constant 0 to 100% stepless
Current control:	Constant 0 to 100% stepless
Temperature rise at 100% duty (max):	60° C (140° F) max. from 35° C (95° F) ambient
Control:	Solid state printed circuit board protected against chemical environment.

Note: All units are shop tested before dispatch and certified to comply with our specifications.

OPTIONAL EXTRAS

- Polarity reversing (manual and automatic)
- Constant current density control
- Special anodizing color programming
- Hard anodizing auto ramp
- Electronic amp/hour record and auto dose pump control

SPARE PARTS

Spare parts are available, usually in-stock

Zinex reserves the right to make any changes to equipment and or publications without notification.

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