

NEW PRODUCTS AND EQUIPMENT

Stainless Steel Vial Filler

Aseptic vial fillers produced by the National Instrument Co. are now available with stainless steel filling units and adjustable Teflon piston rings.

Manufacturer claims that the wiping action of the Teflon rings prevents any accumulation of solids on the cylinder walls and enables the filling unit to handle many free flowing liquids including oils, suspensions, and saturated solutions.

The stainless steel filling units are expected to be of value for production filling in factory installations where breakage of a glass filling unit would constitute a hazard to personnel. **PE1**

Single Pan Balance

A single pan balance with a capacity of 200 grams and a sensitivity of 0.1 mg. is now being produced by Wm. Ainsworth & Sons. The manufacturers claim that this is the first balance of the type to be made in the U. S. and is much faster and easier to use than a conventional analytical balance.

All necessary weights are built into the balance and operated by knobs in the front of the case. Knobs also operate counters which indicate the total of

weights employed. Values from 100 to 0.1 mg. are read from a projected scale to the right of the counters.

Weights and weighing pan are suspended from the same end of the balance beam. In weighing weights equal to the load added to the weighing pan are removed from above the pan. Ainsworth claims that this substitution method of weighing is accurate with the additional advantage that with a constant load on the balance beam sensitivity is unaffected by the load being weighed. **PE2**

Regulator Controls Flow of Liquids and Light Solids

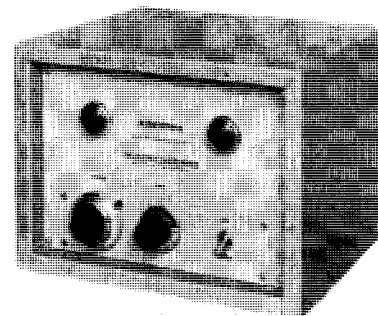
A flow rate regulator to control flow of liquids which will accurately regulate the flow of light slurries and many suspensions is available from W. A. Kates Co. The manufacturers claim a unique down flow design specifically engineered for self cleaning characteristics. **PE3**

Corrosion Resistant Heater

An immersion heating unit of impervious graphite designed specifically for use in applications involving nitric acid is available from Heil Process Equipment Co. A plastic coated steel hanger is included to insure proper location of the

heater in the tank. Manufacturer claims that the excellent heat transfer properties of graphite provide greater heating or cooling per square foot of surface area, than can be obtained from most metals. **PE5**

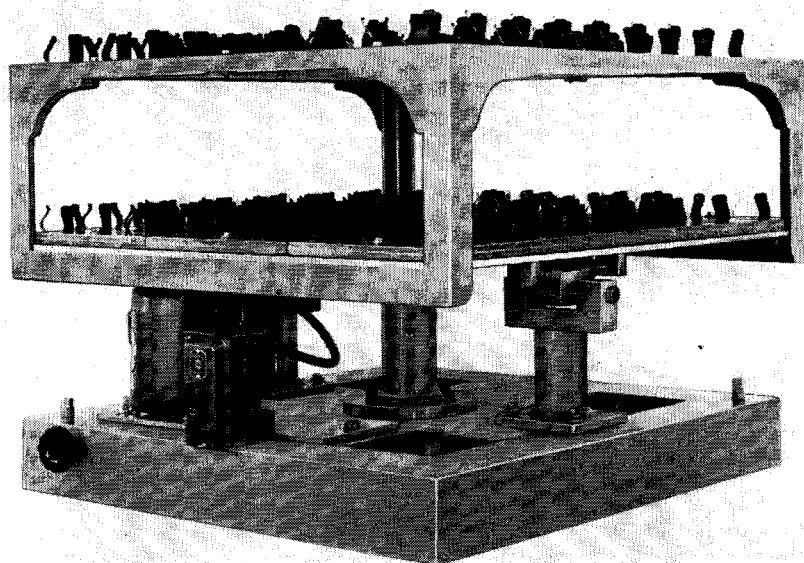
Precision Temperature Controller



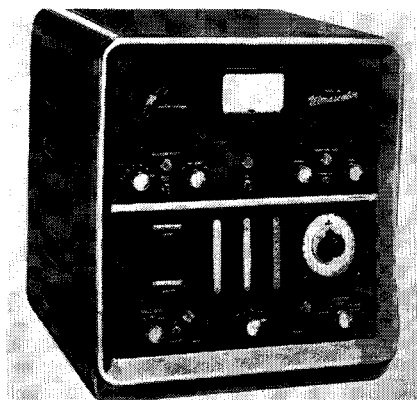
Resistorol Temperature Controller manufactured by Hallikainen Instruments designed for installations where precision temperature control is required. The instrument uses a resistance type temperature bulb, suitable for temperatures up to 600° F. Various types of bulbs are available, for installation in pressure vessels, baths, and ovens. **PE6**

Large Capacity Gyrotary Shaker

A double tier gyrotary shaker with smooth, quiet even operation, and capable of staying in position with a minimum of bolting down offered by New Brunswick Scientific Co. The manufacturers claim that they have overcome the usual problems of gyrotary shakers by the mechanical features of stabilizers and an all welded heavy duty steel construction. Trays set in the double tier framework are interchangeable and easily removable. **PE4**



All-Purpose Ultrascaler



All-purpose scaler for operation with Geiger, scintillation or proportional counters is available from Nuclear Instrument and Chemical Corporation. The instrument, known as the Model 192 "Ultrascaler," permits either manual or automatic counting procedures including either predetermined time or count operation or "time-count" operation where the count will be stopped at a preset time or preset number of counts. **PE7**

▶ See coupon, page 799, for further information ▶