

NEW PRODUCTS AND EQUIPMENT

Combination Spectrometer Colorimeter

A combination colorimeter and spectrometer for routine analysis is available from the Bausch & Lomb Optical Co. Called the Spectronic 20, the instrument produces high wave-length accuracy and spectral purity through use of a diffraction grating, according to the company. The device is designed for speedy, simple operation by production line inspectors and laboratory technicians who need to use only two control knobs in making routine calorimetric analysis.

The company says the instrument also offers a high degree of accuracy to research and control workers concerned with the more complex analyses of spectrometry. **PE1**

Cleaning Machine for 30- and 55-Gallon Drums

An airless abrasive blasting machine for the reconditioning cleaning of 30- and 55-gallon steel drums before painting and coating operations is manufactured by American Wheelabrator & Equipment Corp. The machine handles drums used for holding chemicals, industrial process materials, foods, oil, gasoline, grease, and similar materials. The machine is capable of cleaning the exterior surfaces of closed-end drums and both the exterior and interior surfaces of open-end drums, together with the lids.

The drum cleaner is equipped with a hydraulically-rotated table with a partition that divides the machine into two compartments or work stations. Each

work station consists of two power driven spinner shafts that rotate one drum in the blast zone. The company claims this arrangement permits one station to be loaded and unloaded while the other is in the blast zone, so continuous operation can be maintained.

Cleaning is done by abrasive hurled centrifugally by a rotating bladed wheel, and the spinner shafts are pivoted to enable the position of the drum with respect to the blast to be adjusted.

Among the special features of the machine are push button starting and stopping controls. Loading and unloading is made easier, as the work station moves to the operator.

The same abrasive can be used repeatedly. Abrasive particles are recovered in a hopper, and are conveyed by an elevator to the top of the machine. There, the contaminants are sorted out and the good abrasive is fed to the hurling wheel for reuse. **PE2**

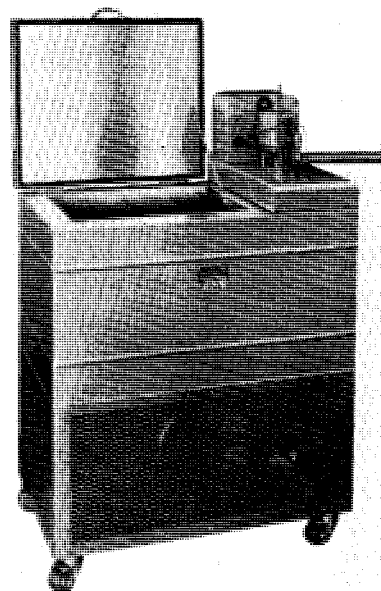
Flange Type Immersion Heaters

Single and double flange-type immersion heaters are available from General Electric. An addition to GE's Calrod heater line, the heaters are designed to operate on either a.c. or d.c. circuits at 110 or 220 volts. The immersion heaters are formed by bending a Calrod tubular unit into a hairpin shape, the ends of which are brazed into a flange. Silicone seals and a porcelain insulator are incorporated into the terminal ends of the heater as a protective measure against vapors

and liquids, and to provide electrical insulation. The heaters are intended for installation in water baths, cleaning tanks, stills, and similar equipment.

The heaters are suitable for working pressures up to 125 p.s.i. and are engineered to meet the low pressure boiler specifications of the ASME. **PE4**

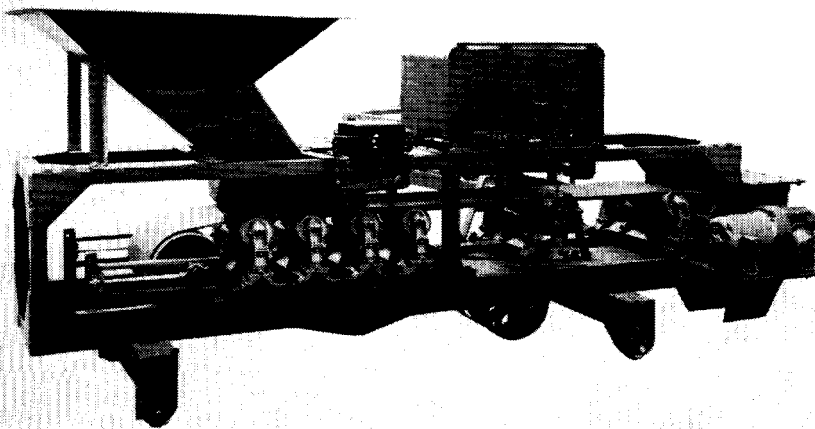
Low Temperature Bath and Circulating System



Low temperature bath and circulating system designed as a device for lowering temperature rapidly and holding it at a precisely controlled point available from the Precision Scientific Co. Available in two sizes with two temperature control ranges, the 15-gal. bath has a range down to -30°C ., the 45-gal. size has a temperature range down to 0°C . Both units are claimed to be capable of simultaneous use as bath and circulating systems **PE5**

Portable Feed Regulating Weigher

Portable Transportfeeder, a self contained automatic, feed regulating weigher, has its own power supply for feeding material at preset feed rates. The devices can convey, weigh, and feed regulate any dry material weighing under 5 pounds per cubic foot over a wide capacity range **PE3**



Tanks for Low Pressure Nitrogen Solutions

Bolted aluminum storage tanks with a capacity from 12,000 to 23,000 gallons for bulk storage of low pressure liquid nitrogen solutions are available from Butler Manufacturing Co. Aluminum skid tanks with capacities from 500 to 1000 gallons which can be carried on stake body trucks for transportation of nitrogen solutions from the bulk station to the farm are also available. **PE6**

▶ See coupon, page 751, for further information ▶