

NEW PRODUCTS AND EQUIPMENT

Vacuum Gage Monitors Five Positions in System

The Hasting Instrument Co. has a vacuum gage available with a switching unit which makes it possible to monitor 5 different positions in a vacuum system with one gage.

The gage system uses a switching unit, which permits a single operator to make selective readings at the 5 different stations. The system is designed for processing plants or laboratories to establish permanent multiple point vacuum monitoring in the 1-1000 micron range.

The calibration of the gage tubes is not affected by exposure to atmospheric pressure of ambient temperature, according to the manufacturers. **PE1**

Water Sterilizers Use Ultraviolet Light

A line of electronic water sterilizers, capable of handling from 300 to 7,000 gallons of water per hour has been developed by the Aquafine Co.

The simple, compact sterilizers have no moving parts and will operate on 110 volt A.C. electrical systems. The steril-

izers operate by guiding the water through a series of helical baffles into contact with a number of ultraviolet lamps. The lamps have a 6,000 hour life, and the stainless steel sterilizer is designed for ease of maintenance and lamp replacement.

The sterilizer unit is expected to find application in industries which use large quantities of sterile water such as the dairy, brewing, and pharmaceutical industries. **PE2**

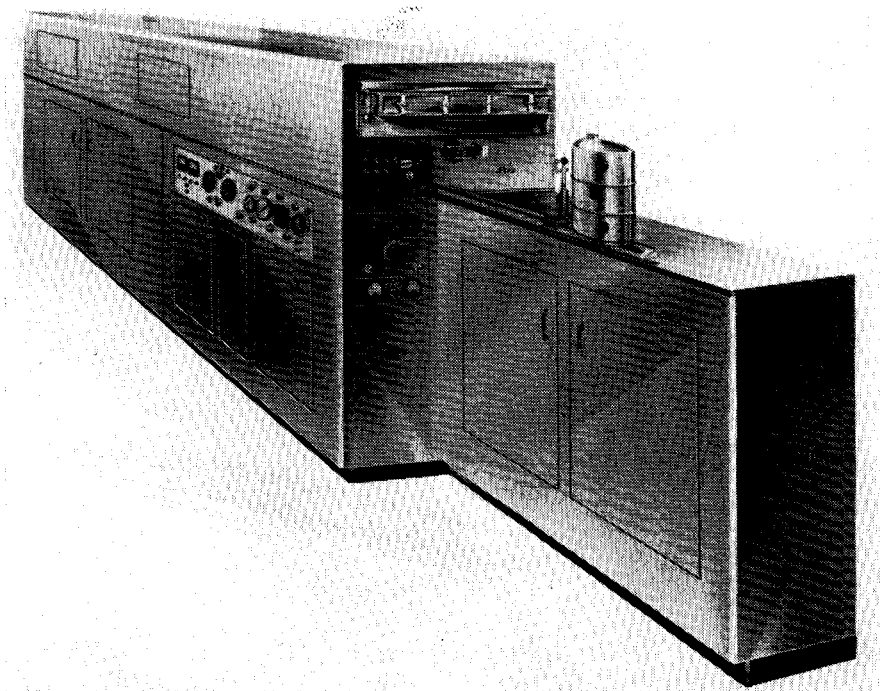
Fluorimeter based on Improved Design Available

A laboratory fluorimeter based on an advanced design which eliminates the need for cooling systems and optical meters is available from Jarrell-Ash Co.

The instrument has been designed for laboratory or plant use and is mounted in an attractive gray metal base. The ultraviolet lights used develop small amounts of heat and a cooling system is not required. The sample slide automatically centers itself in reading position, activating the correct shunt so that the standard reading can be checked before and after each sample reading.

High Resolution and Dispersion Claimed for Plane Grating Spectrograph

Plane grating spectrograph offers special advantages in analyzing isotopes according to the manufacturer, Jarrell-Ash. The instrument has been specifically developed for high dispersion and resolution while covering the range from 2000 A. to 6500 A. Resolution of 100,000 at 3000 A. is guaranteed. The standard model is supplied with a 20-in. plateholder which accommodates two 4 X 10 in. plates. **PE3**



The sample slide is designed to accommodate either the small melt resulting from a sodium fluoride fusion, or the larger mixed flux melt. **PE4**

Electronic Temperature Control

An electronic temperature controller with a range from -100° F. to +600° F. has been developed by the industrial division of Minneapolis Honeywell Regulator Co. The controller is intended for industrial applications requiring temperature control which do not need indicating or recording apparatus.

The controller employs the resistance thermometer principle. Temperature control is indicated by a pair of red and green signal lights. The green light glows when temperature is below the set point; the red light when the temperature is above set point. When both lights are out the temperature is at the set point. **PE5**

Vibration Relay Engineered For Large Rotating Equipment

A vibration relay specifically engineered for large rotating equipment, which initiates a signal when excessive vibration occurs has been announced by the Special Products Division of General Electric.

The relay can be used for such equipment as turbines, large motors, blowers, and centrifuges which are left unattended for long periods of time.

Operating range of the device is 300 to 18,000 r.p.m. Within this range it can be set to energize pre-set warning or shut down devices at vibration accelerations up to 20 g. An added safety factor is the inclusion of a fail safe feature which gives a warning when the device itself fails. **PE6**

Increased Efficiency for Dry Fire Extinguishers

The Ansul Chemical Co. claims a 50% increase in fire effectiveness as a result of a new nozzle and gas tube design for its wheeled extinguishers. The new nozzle design features a self-sealing principle to insure water and gas tightness. The extinguishers use dry chemical as the extinguishant, and the gas tube in the dry chemical chamber has been redesigned to increase the flow rate of the dry chemical by 30%. The range of the dry chemical stream is about 40 feet.

The new design features have been incorporated in two wheeled, dry chemical fire extinguishers available from Ansul. **PE7**

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