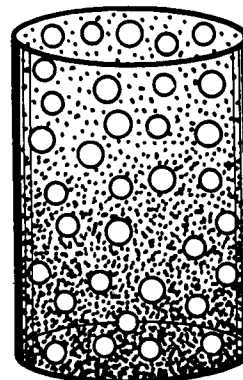
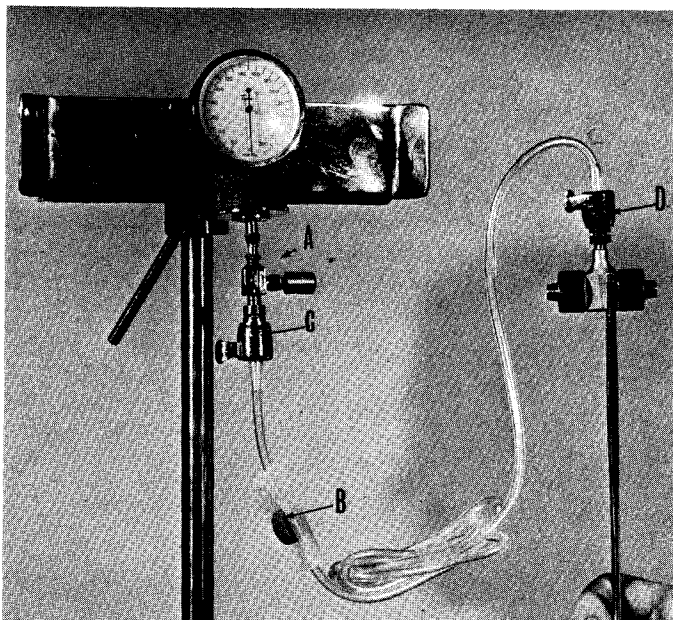
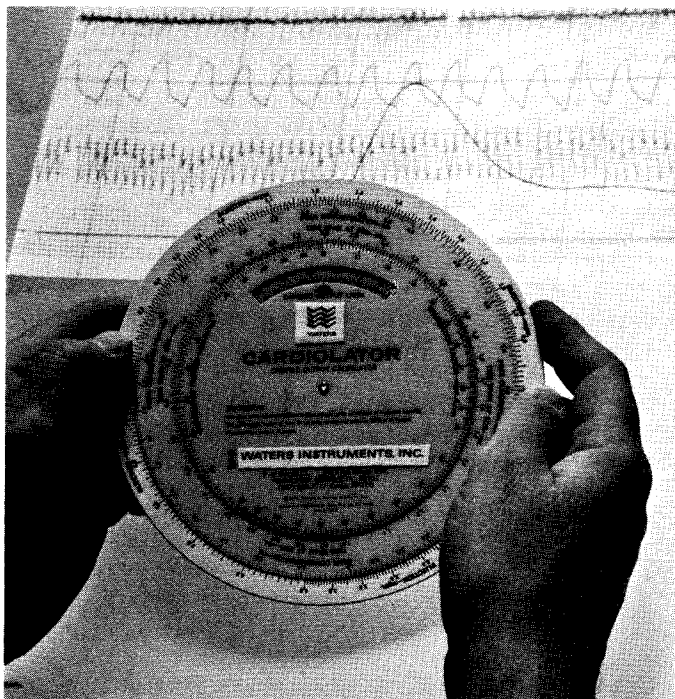


Mr. L. H. Witzke of Waters Instruments, Inc. announces the DCR-700, a dye curve recorder, densitometer and cardiac output computer in one compact instrument. The overall unit is about 9" x 17" x 14" and weighs about 26 pounds. Solid-state, plug-in circuit boards keep maintenance to a minimum. A single dye injection will display the cardiac output in digital form and the linear dye curve on a four-inch wide graph. Circle number 59 on the Reader Service Card and Mr. Witzke will send you the complete dossier on this instrument.

Waters also has available a new, rapid cardiac output calculator (pictured). Using the "fore-'n-aft" triangle formula, the operator simply dials three measurements from the dye curve onto the cardiometer along with the known quantity of injected dye. The output is read directly in the window of the cardiometer. Mr. Witzke can supply you with information on this product by circling number 60 on the Reader Service Card.



Oxygenation

Continuous line pressure monitoring is an important feature of most extracorporeal circuits. A description is given of modifications made on Tyco's gauges which allow for phasic or mean line-pressure recordings to be displayed.

Tyco's gauges were remodelled by the addition of three-way taps (A).

Disposable pressure lines were produced*, 3 feet long and fitted with Male luer-connectors at each end. Included on the pressure line were thumb-roll occluders such as used with standard drip sets (B). By selective occlusion of this thumb-roll mean or phasic line-pressures can be monitored. Accidental or intentional high pressures can sometimes be encountered in an extracorporeal circuit.

As a means of achieving a safe seal with the Male push-in plastic luer connections, luer type safety locks were designed and produced. Two "safety locks" are required for each Tyco's gauge used (C) and (D).

A method is described to modify Tyco's gauges so as to safely observe extracorporeal line-pressures.

My thanks are due to Sister Mary Regis for the illustration.

Submitted by Maurice Robertson, Perfusionist and Senior Medical Technologist, Thoracic Unit, St. Vincent's Hospital, Sydney, Australia.

*Tatal Laboratories, Sydney.