

# **HIGH CAPACITY** INFUSION-WITHDRAWAL PUMP

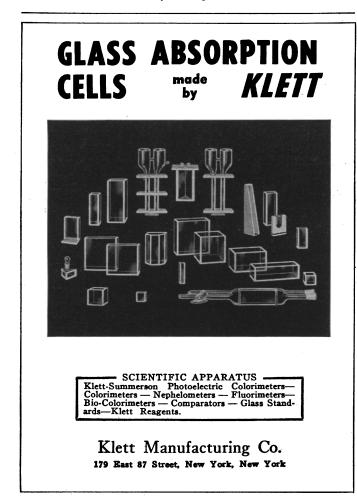
Catalog No. 600-2-200

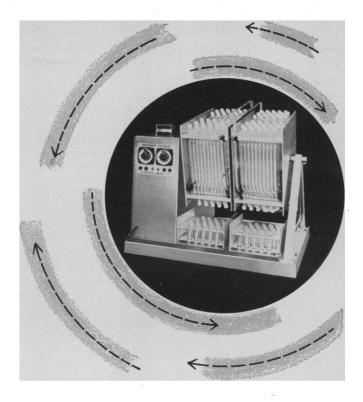
Model 600-2-200 accepts two syringes of either 200, 100 or 50 ml. capacity. With the largest syringes a total capacity of 400 ml. is available. The use of the 12 speed multi transmission and various syringes produce 36 exact rates covering a 5,000 to 1 range with a reproducibility of  $\pm 0.01\%$ . Syringes can be operated in parallel to double rate or volume. Model 600-2-200 accepts two syringes of either 200, 100 or

#### SPECIFICATIONS

- Max. Rate Per Syringe: 120 ml./min. (200 ml. syringe)
  Min. Rate Per Syringe: 0.009 ml./min. (50 ml. syringe)
  Synchronous Reversible Motor Drive
- Choice of Basic Motor Speeds
   Accommodates Standard B-D Syringes
- Write for Bulletin 600-2-200

HARVARD APPARATUS CO., INC. DOVER . MASSACHUSETTS . U.S.A. (a non-prefit organization)





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#### Used in Research On:

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- **RNA** ...... amino-acid specific components isolated and prepared in usable laboratory quantities
- E. coli ..... specific biochemical strains isolated from mixed cultures

FATS ..... mixed triglycerides quantitatively separated and identified without preliminary hydrolysis

These are just a few of the many applications for this versatile apparatus. Standard models are priced from \$385.00.

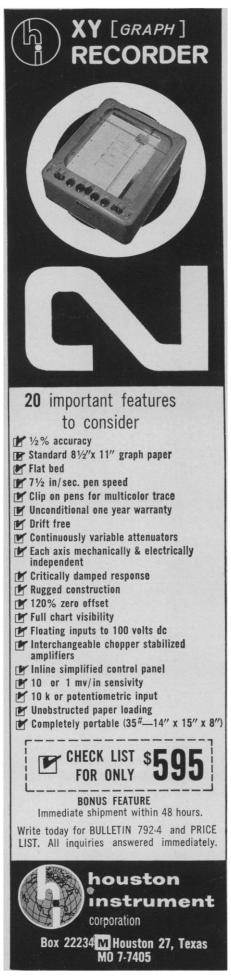
We will provide additional information, specific references and details on how to apply this equipment to your problem. Write, wire, call or we will be glad to call you.

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# PERSONNEL PLACEMENT

CLASSIFIED: Positions Wanted. 25¢ per word, minimum charge \$4. Use of Box Number counts as 10 additional words. Payment in advance is required.

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The guide will list manufacturers of equipment and instruments for analytical chemistry, medical electronics, biology, physics, geology, and oceanography.

If your company manufactures instruments and equipment for the above fields, and has not already received an official listing form, you can obtain one by writing to

SCIENCE

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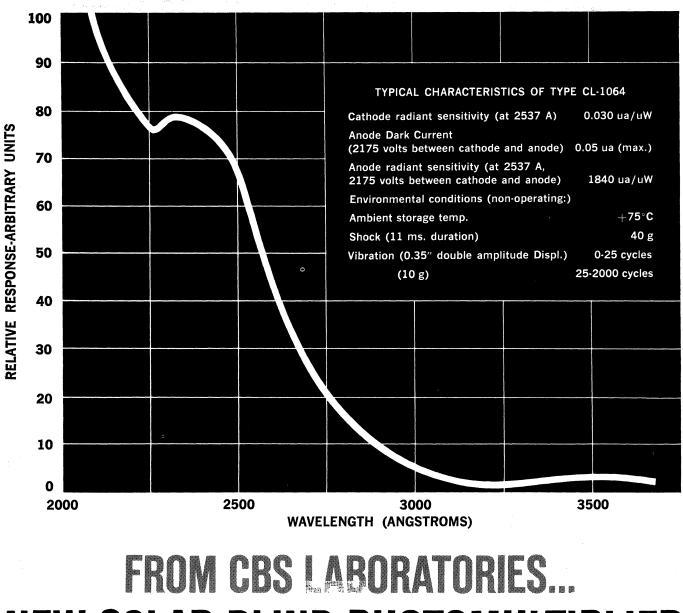
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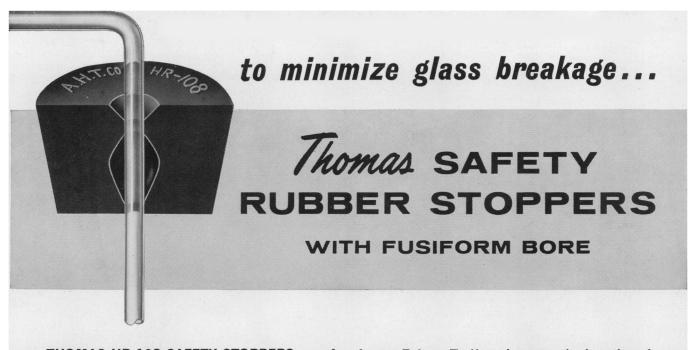
Type CL-1064, the latest in CBS LABORATORIES' new line of photomultipliers, has a high-peak quantum efficiency heretofore unavailable in solar-blind photomultiplier tubes. It has a peak sensitivity to ultraviolet radiation and very low sensitivity to visible and infrared radiation. These characteristics result from its unique photocathode, a composite of rubidium and tellurium deposited on a solid metal surface. Peak quantum efficiency of the photocathode is approximately 25%.

The solar-blind CL-1064 is designed for detecting lowlevel ultraviolet radiation in the presence of visible and infrared radiation. It is specially constructed for use in rocket and other airborne instrumentation. Current applications include star-tracking, measuring ultraviolet radiation from the stars, and ultraviolet vacuum spectroscopy. The tube, whose diameter is 2 inches, employs an end-on photocathode and a 13-stage multiplier.

A wide range of special purpose tubes is also available (or can be readily designed) with cathode sensitivities of from 10,000 Å (in the infrared region) to approximately 1000 Å (in the vacuum ultraviolet region).



LABORATORIES HIGH RIDGE ROAD, STAMFORD, CONNECTICUT A DIVISION OF COLUMBIA BROADCASTING SYSTEM, INC.



**THOMAS HR-108 SAFETY STOPPERS** are of bloomless, black, resilient, heat resisting rubber composition, with low sulfur content and long life. Straight bore of the conventional stopper has been replaced by a fusiform bore with bevelled entrance. Internal diameter at center approximately twice that of a sealing band at either end. Advantages are:

**Safety**—Glass tubes can be easily inserted and removed, *particularly by students*, with greater safety than with straight bore. Insertion is facilitated by bevelled entrance of bore. Tube slides through only the two sealing bands. **Larger Tubes**—Fusiform bore permits insertion of larger tubes than is possible with straight bore. For example, tubes 6 to 11 mm can be inserted in sizes 5 to 9 inclusive.

Superior Composition—The stock contains more than 70% of pure virgin gum, possesses great elasticity, is free from surface sulfur and contains less than 0.75% free sulfur; no reclaimed rubber is used.

**Heat Resistant**—Temperatures up to  $110^{\circ}$  C do not affect shape, size or structure.

**Long Life**—Tests indicate useful life approximately *five times* that of common stoppers.

		Stoppers,		HR-108,	as above
described	, one	hole (fusife	orm bore).		
				-	-

Size	Approx. no. per lb.	Carton Contains	Per Dozen	Per Carton
00		168	1.24	15.81
0		108	1.27	10.36
1	97	96	1.38	10.02
2	74	72	1.48	8.07
3	55	60	1.67	7.60
4	44	48	1.81	6.60
5	37	36	2.02	5.52
51/2	31	36	2.18	5.94
6	27	30	2.33	5.29
61/2	24	30	2.49	5.68
7	20	24	2.77	5.05
8	16	18	3.12	4.26
9	13	18	3.64	4.97

8808. Safety Stoppers, Thomas HR-108, as above described, but two hole.

scribeu, i	Suc two noic		-	-
Size	Approx. no.	Carton	Per	Per
Number	Approx. no. per lb.	Contains	Dozen	Carton
00		168		17.04
0	110	108		11.23
1	95:	96	1.48	10.78
	74			
	55			
	46			
	38			
	33			
	28			
	25			
	20			
8	17	18		4.31
	14			

5% discount from carton prices in lots of 6 cartons; 10% discount from carton prices in lots of 12 cartons 20% discount from carton prices in lots of 24 cartons; 30% discount from carton prices in lots of 48 cartons one size, or assorted in carton units

> For more detailed description, see pages 830-831 of our 1961 catalog; or Bulletin No. 134 sent upon request

