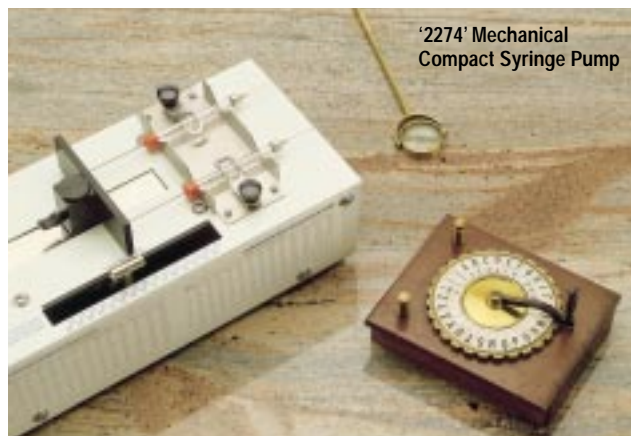


Harvard Mechanical Compact Syringe Pumps



'975' Mechanical Compact Syringe Pumps



'2274' Mechanical Compact Syringe Pump

'975' and '2274' Features

- Infusion only
- Speed accuracy $\pm 0.01\%$
- 30-speed mechanical gear box with positive locking action
- Ratio between adjacent settings has been held to only 1.4 to 1. The range over the 30-gear settings is 17,000 to 1
- A gear overload clutch stops pusher block advance when the required force exceeds 25 lbs.

Flow Rate Ranges

'975' Flow Rate Syringe Volume	'975' Flow Rate		'2274' Flow Rate Syringe Volume	'2274' Flow Rate	
	Low ($\mu\text{l} / \text{min}$)	High (ml / min)		Low ($\mu\text{l} / \text{min}$)	High (ml / min)
1 ml	0.074	1.347	10 μl	0.0000073	0.1260
3 ml	0.266	4.759	25 μl	0.0000182	0.3150
6 ml	0.541	9.601	50 μl	0.0000364	0.6300
12 ml	0.854	15.035	100 μl	0.0000730	1.2600
20 ml	1.416	24.721	250 μl	0.0001820	3.1500
35 ml	1.935	33.624	500 μl	0.0003640	6.3000
60 ml	2.424	41.981	1000 μl	0.0007300	12.6000

'2274' Mechanical Compact Syringe Pump

This pump is exactly like the '975' compact/syringe pump, see to the left, with these exceptions:

- The motor is 100 times slower
- Single syringe holder is supplied for holding one or two syringes from 10 μl to 50 ml

This pump is ideal for infusions into single cells.

Specifications

Type	Mechanical multiple-syringe; infusion only
Syringe/Size:	Glass and plastic
Holder for up to 2 Syringes	2 ml to 100 ml
Holder for up to 3 Syringes	20 ml only
Holder for up to 4 Syringes	5 ml only
Dimensions, H x W x D	355 x 171 x 89 mm (14 x 6-3/4 x 3-1/2 in)
Weight	5.4 kg (12 lb)

Specifications

Type	Mechanical microliter multiple-syringe; infusion only
Syringe/Size	Up to 2 syringes; glass and plastic; 10 μl to 50 ml
Dimensions, H x W x D	356 x 152 x 89 mm (14 x 6 x 3-1/2 in)
Weight	5.4 kg (12 lb)

Catalog No.	Model	Power
CGS 8101.63	975	115 VAC, 60 Hz
CGS 8102.63	975A	230 VAC, 50 Hz
CGS 8103.63	975B	115 VAC, 50 Hz

Catalog No.	Model	Power
CGS 8099.63	2274	115 VAC, 60 Hz
CGS 8100.63	2274A	230 VAC, 50 Hz