

Mini Roller Apparatus – Wheaton W348923-D



Wheaton Science Products Roller Apparatus enable you to easily scale-up anchorage-dependent cell lines from standard plastic flasks. Benefits of the Roller Bottles are the increased surface area, gentle agitation and improved gas exchange when cells are rotated out of the medium. All models are CE/UL/CSA marked for international use and are available with different electrical plug configurations. Economy bench models allow inexpensive entry into this technology with units rotating from one to eight bottles. For vaccine production or when high yield is needed, use the Wheaton Modular Cell Production Apparatus and add decks that will hold additional bottles, as needs increase. Backup battery systems and rotation alarms can also be added to any Wheaton Roller Production Equipment.

Wheaton Roller Apparatus accommodates standard culture vessels, 108 to 121 mm in diameter and up to 550 mm long. The Cost Buster High-Volume Production Roller Apparatus offers compact, efficient rotating of 104 and 172 bottles. Based on standard plastic roller bottle with surface area of 850cm². The Wheaton CART System (Computer-Aided Roller Technology) precisely controls rotating speeds of up to 255 separate roller units. Each unit is monitored for rotation, speed deviation and communication. This system provides the perfect solution for GMP or FDA requirements. Wheaton specializes in providing customized roller systems. Special motors can be selected to rotate bottles from 58 revolutions per day to more than 100 revolutions per minute. Roller systems with special power requirements or operation in more demanding atmospheres can be configured.

Conforms to UL, CSA, and CE Standards. Controls rotational speed and monitors and records all roller apparatus activity for up to 255 units. Password security eliminates accidental changing of parameters. The Wheaton CART System is designed to precisely control the rotational speed of up to 255 cell production roller units, while monitoring each individual unit for rotation, speed deviation, and communication. Records all roller apparatus activity, e.g., speed setting changes, units in and out of process. Includes automatic report generation for product validation. Useful in GMP (Good Manufacturing Practices) and FDA (Federal Food and Drug Administration) validation.

CART software is extremely user friendly, and is programmed using pull-down menus. The software allows you to easily customize each individual CART unit to your specific production requirements. Making a menu selection is easily accomplished and operating parameters of individual units can only be changed using a password. All changes are recorded to the LOG file, with a date and time stamp. Each CART drive unit has its own ID number and has an onboard, microprocessor-based computer, which will control the rotational speed of the bottles to within .01 rpm and report its operational status to a network controller. The network controller reports all status changes to the main computer. Each unit contains circuitry to remember its operating parameters when switched off, or if a power failure occurs. The unit will automatically resume operation when switched on, or when power is restored. The 349035 Wheaton CART System must be selected as a factory-installed option when ordering a new Cost Buster Roller Apparatus. May be retrofitted to some existing units. When trying to retrofit existing units a new control housing assembly will be required. Please contact Wheaton for additional information. Computer Requirements: IBM 286 or higher with 640K memory minimum. At least 2 MB hard drive space. 1 serial and 1 parallel port, 1.44 MB 3-1/2 disk drive, an EGA or higher color monitor, DOS 6.0 or higher. An 80 column printer is needed if a hard copy printout of log data is needed. System Requirements: The CART System communicates over a multi-drop RS485 line running at 9600 baud, 32 drops per line.

Technical Specifications:

Capacity	5 bottles 38 to 60 mm in diameter, up to 240 mm long
Model Type	benchtop
Vessel(s) Accomodated	roller / hybridization bottles

Additional Product Information:

Classification:	Life Science Products
FamilyHeader:	Single-Deck Roller Apparatus Unit
ProductFamily:	Wheaton Mini Bottle Bench Top Roller Culture System
Subclass:	Roller Culture