

The STOVALL Low Profile Roller™

Versatile and Durable



STOVALL LIFE SCIENCE
INCORPORATED

Pragmatic tools for able minds

The Versatility Of

The Stovall Low Profile Roller™

Renders Economies Of Space And Expense For The Research Laboratory And Production Laboratories

This light weight, low profile roller unit was designed as a compact, space saving, non-dedicated instrument which performs multiple functions in the biological research laboratory. It operates on benchtops, in high humidity and CO₂ incubators, high temperature ovens (to 60°C) and in refrigerated units (to 0°C).

Cell Culture

The six rollers supplied with this unit will rotate 3 large (850 cm) roller bottles at a variable speed of 0.5 rpm to 9.5 rpm allowing excellent cultivation, or stress, of adherent cells. Adjust rollers to accommodate small tubes for cell culturing.

Western, Northern and Southern Filter Blot Applications

The Stovall Low Profile Roller also offers to the researcher an economical alternative to the dedicated, rotisserie style dry chambers for hybridization and washing of filters. The roller bottle technique for hybridizations increases the sensitivity of reactions since the filter is completely immersed and drained during each revolution of the bottle and all reactions are complete and uniform. Good for strip blot processing.

Blood Products and Small Tubes

The six rollers supplied with the instrument can be moved close together to accommodate small tubes and bottles. By inserting 5 additional rollers, purchased separately, the unit will accommodate up to twenty 10 to 50 ml tubes, turning them at variable speeds between 1 rpm and 67 rpm.



For cell culture in dry or humid incubator environments.



By adjusting the roller positions or adding additional rollers, one can accommodate different size containers. Pictured are two cell culture bottles along with two 50ml and 15ml tubes.



Agitation of small tubes/blood products. Portable for use in any lab environment. This unit is pictured with 11 rollers. Six rollers come with the basic unit.

FEATURES:

- The low profile (2 3/8" roller height) design provides a convenient fit into laboratory incubators, ovens and refrigerated units without rearranging shelves or disturbing other materials.
- Industrial grade durability and drive train.
- The very thin, flat power cord reaches external outlets without damaging incubator gaskets.
- The wide ambient operating range – 0°C to 60°C – allows use in the large variety of lab environments and research protocols.
- The unit is light weight (10.5 lbs) for easy portability.
- All finishes are resistant to chemicals and easy to clean and sterilize. All hardware is of stainless steel, delrin or nylon and a high bake ester finish coats aluminum case parts.
- The variable speed control turns the rollers at 2 rpm to 38 rpm.
- All rollers are removable to allow ease of cleaning and accommodation of variously sized tubes and bottles.
- Cool running brushless motor creates no ozone.
- Single unit operates with all voltages, 90v – 240v, 50/60Hz

SPECIFICATIONS:

Dimensions: 14 1/4" wide x 15" deep x 2 3/8" high (roller height)

Weight: 10.5 lbs

Ambient Temperature Operation: 0°C to 60°C

Electrical: 90-240v ac 50/60Hz; high impedance internal fuse

Rollers: diameter: 1 1/8"
circumference: 3.53"
length: 10"
quantity: 6

Roller Variable Speed: 2 rpm – 38 rpm

Maximum Weight: 4 liters of liquid

Catalog #: ROLAAUV1S

PATENT PENDING



The Low Profile Roller fits easily into incubators, ovens or refrigerators without disturbing other materials.



Thin, flat power cord reaches external outlets without damaging gaskets.



Rollers can be removed for cleaning or adjusted to accommodate variously sized bottles and tubes.

The Stacks™

The Stacks™ economizes space on benchtops, in warm rooms, and in incubators when you have more than one Low Profile Roller in use. Stack two, three, or more Rollers in a 18" x 16" benchtop space. The acrylic platforms and 9" anodized aluminum legs which separate the platforms allow easy accommodation of conventional roller bottles and visual access to cell growth.

Catalog #: ACCRL0001 Stacks for two Rollers
One shelf, 9 3/8" high

Catalog #: ACCRL0002 Stacks for three Rollers
Two shelves, 18 3/4" high

SPECIFICATIONS:

3/8" acrylic platform, 18" x 16"

9" clear anodized solid aluminum legs, 1" diameter



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