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Drucker Diagnostics 00-004-009-001

Drucker Diagnostics Benchtop Model 614B Centrifuge

Model: 00-004-009-001

Brand: Drucker Diagnostics

INTRODUCTION

The Drucker Diagnostics Benchtop Model 614B Centrifuge is designed for efficient and reliable sample processing in various laboratory settings. This unit offers a fixed g-force of 1,100 xg and an adjustable mechanical timer ranging from 1 to 30 minutes, simplifying operation by eliminating complex setting selections. It is engineered to provide consistent and accurate results for chemistry and coagulation spins, making it suitable for doctor's offices, small clinics, laboratories, and other facilities performing on-site specimen analysis.

SETUP INSTRUCTIONS

1. Unpacking

Carefully remove the centrifuge from its packaging. Inspect the unit for any signs of damage that may have occurred during transit. Retain all packaging materials for future transport or storage.

2. Placement

Place the centrifuge on a stable, level, and sturdy surface capable of supporting its weight. Ensure there is adequate clearance around the unit for proper ventilation and heat dissipation. Avoid placing the centrifuge in direct sunlight or near heat sources.

3. Power Connection

Connect the power cord to the centrifuge's power inlet and then plug it into a grounded electrical outlet with the correct voltage and frequency as specified on the unit's rating label.

4. Rotor Installation (if applicable)

If the rotor is not pre-installed, carefully place it onto the motor shaft, ensuring it is seated correctly. Secure the rotor according to the specific instructions provided with the rotor assembly, typically by tightening a central nut or screw.



Figure 1: Drucker Diagnostics Model 614B Benchtop Centrifuge. This image shows the Drucker Diagnostics Model 614B Benchtop Centrifuge. It is a compact, white laboratory device with a clear lid. The front panel features the model name 'MODEL 614B Laboratory Centrifuge', the manufacturer 'Mfg. by THE DRUCKER CO.', and a biohazard symbol. On the right side of the front panel, there is a blue section with a black rotary dial for setting the timer from 0 to 30 minutes. The lid has 'OPEN' and 'CLOSE' indicators.

OPERATING INSTRUCTIONS

1. Loading Samples

Open the centrifuge lid. Place sample tubes into the rotor's tube holders. Ensure that samples are balanced by placing tubes of equal weight directly opposite each other in the rotor. Imbalanced loads can cause excessive vibration and damage to the unit.

2. Setting the Timer

The Model 614B features a mechanical timer. Rotate the timer dial to the desired run time, ranging from 1 to 30 minutes. The centrifuge will automatically shut off once the set time has elapsed.

3. Closing the Lid

Securely close the centrifuge lid. Ensure it latches properly before starting operation. The unit will not operate if the lid is not fully closed and locked.

4. Starting Operation

Once the lid is closed and the timer is set, the centrifuge will begin operation. The unit operates at a fixed g-force of 1,100 xg.

5. Stopping Operation

The centrifuge will automatically stop when the set time on the mechanical timer expires. Allow the rotor to come to a complete stop before attempting to open the lid.

6. Unloading Samples

Once the rotor has stopped, open the lid and carefully remove the processed sample tubes.

MAINTENANCE

1. Cleaning

Regularly clean the exterior surfaces of the centrifuge with a mild, non-abrasive detergent and a soft cloth. For the rotor and rotor chamber, use a disinfectant solution appropriate for laboratory equipment. Ensure no liquids enter the motor or electrical components. Always unplug the unit before cleaning.

2. Inspection

Periodically inspect the power cord for damage, the lid latch for proper function, and the rotor for any signs of wear or corrosion. If any issues are found, contact customer support.

3. Storage

When not in use for extended periods, store the centrifuge in a clean, dry environment, away from extreme temperatures and direct sunlight. It is recommended to keep the lid slightly ajar to allow for air circulation and prevent moisture buildup.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Centrifuge does not start.	<ul style="list-style-type: none">• Power cord not plugged in.• Lid not properly closed/latched.• Timer not set.	<ul style="list-style-type: none">• Ensure power cord is securely plugged into both the unit and the outlet.• Close the lid firmly until it latches.• Set the timer to the desired run duration.

Problem	Possible Cause	Solution
Excessive vibration during operation.	<ul style="list-style-type: none">• Unbalanced load.• Unit not on a stable surface.	<ul style="list-style-type: none">• Ensure sample tubes are balanced by weight and placed symmetrically in the rotor.• Relocate the centrifuge to a stable, level surface.
Lid will not open after run.	<ul style="list-style-type: none">• Rotor still spinning.• Lid latch mechanism stuck.	<ul style="list-style-type: none">• Wait for the rotor to come to a complete stop. Do not force the lid open.• Gently attempt to open the lid. If it remains stuck, contact customer support.

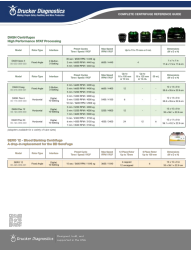





SPECIFICATIONS

- Model Number:** 00-004-009-001
- Brand:** Drucker Diagnostics
- Product Dimensions:** 12.5 x 11 x 8.5 inches
- Item Weight:** 14 Pounds
- Fixed G-Force:** 1,100 xg
- Timer Range:** 1 to 30 minutes (mechanical)
- Manufacturer:** Drucker Diagnostics
- Date First Available:** August 8, 2013

WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service inquiries for your Drucker Diagnostics Benchtop Model 614B Centrifuge, please contact Drucker Diagnostics directly or the authorized distributor from whom the unit was purchased.

You can find more information about Drucker Diagnostics products and support on their official website [Drucker Diagnostics](#).

	<p>Drucker Centrifuges Complete Reference Guide: Models, Specifications, and Features</p> <p>Comprehensive reference guide detailing Drucker Diagnostics centrifuges, including DASH, SERO, HORIZON, 600 Series, TrueBond, and BOOST models. Features specifications, rotor types, interfaces, preset cycles, max speeds, and dimensions for various laboratory centrifuges.</p>
	<p>Drucker Diagnostics Model 642E Centrifuge Service Manual</p> <p>Service manual for the Drucker Diagnostics Model 642E Centrifuge, providing troubleshooting, repair, and maintenance instructions for qualified technicians.</p>
<p>HORIZON 12 Flex Operator's Manual</p> 	<p>HORIZON 12 Flex Operator's Manual - Drucker Diagnostics Centrifuge Guide</p> <p>Comprehensive operator's manual for the Drucker Diagnostics HORIZON 12 Flex laboratory centrifuge. Includes detailed instructions on setup, operation, settings, maintenance, troubleshooting, and specifications for safe and effective use.</p>
<p>BOOST 4+ Flex Operator's Manual</p> 	<p>BOOST 4+ Flex Operator's Manual - Drucker Diagnostics</p> <p>Comprehensive operator's manual for the Drucker Diagnostics BOOST 4+ Flex centrifuge, covering setup, operation, settings, maintenance, and troubleshooting.</p>
<p>HORIZON Model 24 Flex-AH Operator's Manual</p> 	<p>HORIZON 24 Flex-AH Operator's Manual Drucker Diagnostics</p> <p>Comprehensive operator's manual for the HORIZON 24 Flex-AH centrifuge by Drucker Diagnostics. Covers setup, operation, maintenance, troubleshooting, and specifications for laboratory use.</p>
	<p>Drucker Diagnostics HORIZON 12 Flex Centrifuge Service Manual</p> <p>Comprehensive service manual for the Drucker Diagnostics HORIZON 12 Flex Centrifuge, covering troubleshooting, specifications, service instructions, wiring diagrams, and spare parts. Essential for technicians performing maintenance and repair.</p>

