Sumeve 200g-Particle

Sumeve 200g Particle and Powder Filling Machine User Manual

Model: 200g-Particle

Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Setup

Before operating your Sumeve Particle and Powder Filling Machine, please follow these setup instructions carefully.

1.1 Unpacking and Inspection

Carefully remove all components from the packaging. Verify that all parts are present:

- Filling Machine Unit
- Power Cable
- Foot Pedal (optional control)
- Cleaning Brush
- Wrench
- User's Guide



Figure 1: Machine and Accessories. Ensure all listed items are present.

1.2 Removing Protective Screws

Before first use, it is crucial to remove the protective screws located at the bottom of the machine. These screws secure internal components during transit and must be removed for proper operation.

1. Gently tilt the machine to access its bottom panel.
2. Locate the red-marked protective screws.
3. Use the provided wrench to unscrew and remove these protective screws.



Figure 2: Removing protective screws from the machine's base.

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Video 1: Demonstration of removing the protective screws from the machine's bottom panel.

1.3 Power Connection

Connect the power cable to the machine and then to a suitable power outlet (AC 110V). Ensure the power switch is in the OFF position before connecting.

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Video 2: Connecting the power cable and turning on the machine.

1.4 Foot Pedal Connection (Optional)

The machine supports both induction (infrared sensor) and foot pedal control. If you prefer foot pedal control, connect it as follows:

1. Locate the sensor head cable behind the control panel.
2. Unplug the yellow wire from the sensor head to disable induction control. This makes the sensor head completely ineffective.
3. Plug the foot pedal directly into the designated port on the machine.

Note: The sensor head can be easily disturbed, so unplugging the inductive cable is recommended when using the foot pedal.



Figure 3: Connecting the foot pedal and disabling the sensor.

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Video 3: How to replace sensors with foot pedal control by connecting the foot pedal cable.

2. Operation

This section details how to operate your filling machine for various particulate and powder materials.

2.1 Filling the Hopper

Open the top cover and pour your desired dry particles or powder into the stainless steel hopper. Ensure the material is within the machine's capacity and suitable for filling (e.g., salt, cereal, coffee beans, grains, powders).



Figure 4: Filling the hopper with material.

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Video 4: Pouring powder into the machine's hopper.

2.2 Setting Filling Parameters

Use the control panel to set your desired weight and quantity. The digital display shows the current settings.



Figure 5: Control panel for setting weight and quantity.

1. Turn on the machine using the power switch.
2. On the control panel, use the "Weight" buttons (up/down arrows) to set the target filling weight.
3. Use the "Quantity" buttons to set the number of fills if batch processing is desired.
4. Press the "Start" button to begin the filling process.

2.3 Automatic Filling (Infrared Sensor)

If the foot pedal is not connected, the machine operates using its infrared sensor. Place your container under the dispensing chute, and the sensor will detect it, initiating the fill.

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Video 5: Automatic filling of coffee beans using the infrared sensor.

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Video 6: Automatic filling of powder using the infrared sensor.

2.4 Foot Pedal Control

If the foot pedal is connected and the sensor is disabled, press the foot pedal to initiate each fill cycle.

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Video 7: Operating the machine using the foot pedal for filling.

2.5 Adjusting Filling Accuracy (Baffle)

If you experience significant filling errors, adjust the height of the baffle inside the dispensing chute. This allows for finer control over the material flow.

1. Locate the baffle adjustment screw on the side of the dispensing chute.
2. Loosen the screw and adjust the baffle's height to control the flow rate.
3. Tighten the screw to secure the baffle in place.
4. Perform test fills and adjust as needed to achieve desired accuracy.

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Video 8: Adjusting the baffle height to improve filling accuracy.

3. Maintenance

Regular cleaning and maintenance will ensure the longevity and optimal performance of your filling machine.

3.1 Cleaning

1. **Disconnect Power:** Always unplug the machine from the power outlet before cleaning.
2. **Empty Hopper:** Remove any remaining material from the hopper.
3. **Wipe Down:** Use a soft, damp cloth to wipe the exterior surfaces of the machine. For stubborn residue, a mild, food-safe detergent can be used, followed by a clean, damp cloth.
4. **Clean Chute:** Use the provided cleaning brush to clear any material buildup in the dispensing chute. Ensure no particles obstruct the sensor or the baffle mechanism.
5. **Dry Thoroughly:** Ensure all parts are completely dry before reconnecting power or storing the machine.

Caution: Do not immerse the machine in water or spray water directly onto electrical components.

4. Troubleshooting

Refer to this section for solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Machine does not power on.	Power cable not connected; Power switch off; No power from outlet.	Check power cable connection; Ensure power switch is ON; Test outlet with another device.

Problem	Possible Cause	Solution
Inaccurate filling weight.	Protective screws not removed; Baffle height incorrect; Material density variation; Sensor obstruction.	Ensure protective screws are removed (refer to Setup); Adjust baffle height (refer to Operation); Calibrate machine if possible (consult manufacturer); Clean sensor area.
Machine fills too slowly or stops.	Material clogging; Low material in hopper; Internal mechanism issue.	Clear any clogs in the chute or hopper; Refill hopper; If problem persists, contact support.
Automatic filling not working (sensor issue).	Sensor obstructed; Foot pedal connected and sensor disabled.	Clean sensor area; Ensure foot pedal is disconnected and yellow wire is connected if using sensor control.

Note: The machine filling error is approximately ±0.3G, depending on the product being filled. Adjust the baffle for optimal accuracy.

5. Specifications

- **Model:** 200g-Particle
- **Brand:** Sumeve
- **Filling Capacity:** 1-200g (for particles and powders)
- **Package Dimensions:** 22.6 x 16.6 x 12.5 inches
- **Item Weight:** 18.56 pounds
- **ASIN:** B09923BZT5
- **Date First Available:** August 5, 2021
- **Control Method:** Automatic (Infrared Sensor) or Foot Pedal
- **Material:** Stainless Steel (hopper and main body)

6. Warranty and Support

For warranty information or technical support, please refer to the warranty card included with your product or contact Sumeve customer service directly. Contact details are typically found in the user's guide or on the manufacturer's official website.
Please have your product model number (200g-Particle) and ASIN (B09923BZT5) ready when contacting support.

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