

RCBS 9016

RCBS Uniflow Powder Measure III Instruction Manual

Model: 9016

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your RCBS Uniflow Powder Measure III. This precision instrument is designed for accurate and consistent powder dispensing during the reloading process for both rifle and pistol cartridges. Please read this manual thoroughly before operation.

2. SAFETY INFORMATION

Reloading ammunition involves inherent risks. Always follow these safety guidelines:

- Always wear appropriate safety glasses.
- Work in a well-ventilated area.
- Keep all reloading components, especially primers and powder, away from heat, open flames, and unauthorized persons.
- Never smoke while reloading.
- Consult a reputable reloading manual for specific load data and procedures.
- Verify powder charges with a reliable powder scale.
- Do not mix different types of powder.
- Store powder in its original container.

3. PACKAGE CONTENTS

Your RCBS Uniflow Powder Measure III package should contain the following components:

- RCBS Uniflow Powder Measure III assembly
- Powder Hopper
- Metering Cylinder (single, for rifle and pistol loads)
- Operating Handle
- Mounting Bracket (for press or stand mounting)
- Small and Large Powder Drop Tubes



Figure 1: RCBS Uniflow Powder Measure III and included accessories.

4. SETUP

4.1 Mounting the Powder Measure

The Uniflow Powder Measure III can be mounted directly onto a reloading press or a dedicated powder measure stand. Ensure the mounting is secure and stable to prevent movement during operation.

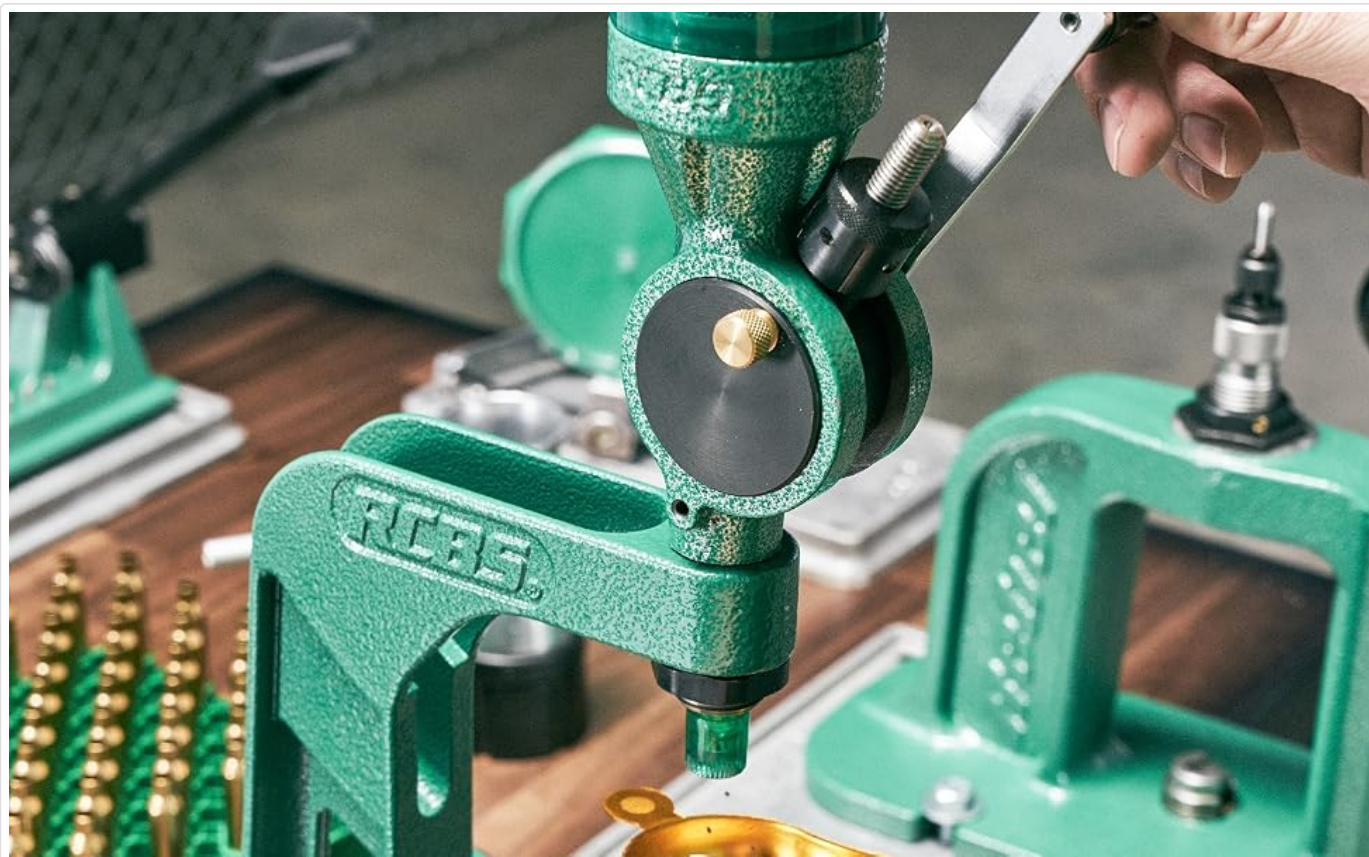


Figure 2: The powder measure mounted on a reloading press, ready for use.

4.2 Attaching the Powder Hopper

1. Ensure the metering cylinder is clean and free of debris.
2. Thread the powder hopper onto the top of the powder measure body. Hand-tighten only.
3. Insert the appropriate powder drop tube (small for pistol, large for rifle) into the bottom of the measure.

5. OPERATING INSTRUCTIONS

5.1 Filling the Hopper

Carefully pour your chosen smokeless powder into the hopper. The hopper has a large capacity, holding up to half a pound of extruded powder or one-third pound of flake powder, suitable for extended reloading sessions.

LARGE CAPACITY

- Hopper holds up to half a pound of extruded powder or one-third pound of flake powder, ideal for extended reloading sessions.
- Easily & accurately handles & meters ball powder.



Figure 3: The powder measure hopper, designed for large capacity and easy powder handling.

5.2 Adjusting Powder Charge

The Uniflow Powder Measure III features a precision adjustable metering cylinder. To adjust the powder charge:

1. Loosen the lock screw on the metering cylinder.
2. Rotate the metering screw to increase or decrease the powder volume. Turn clockwise for less powder, counter-clockwise for more.
3. Dispense several charges and weigh them on a sensitive powder scale to verify accuracy.
4. Once the desired charge is achieved, tighten the lock screw securely.



**EFFORTLESS
POWDER
TYPE
SWITCHING**



**USE WITH SCALE
FOR ACCURACY**



Figure 4: It is essential to use a powder scale to verify charge weights for accuracy.

5.3 Dispensing Powder

Operate the handle with a smooth, consistent motion. Pull the handle fully down to fill the metering chamber, then push it fully up to dispense the powder into the case. Consistency in motion contributes to charge uniformity.



RCBS UNIFLOW-III POWDER MEASURE

- Precision adjustable measure offering precise control over powder charges, ensuring consistent, accurate powder drops for both rifle and pistol reloads.



Figure 5: The precision adjustable measure ensures consistent and accurate powder drops.

5.4 Switching Powder Types

The NG-resistant, anti-static threaded hopper design allows for easy transitions between different powder types without needing to empty the entire hopper. Simply remove the hopper, change the powder, and reattach. This design also helps prevent clogging.

INNOVATIVE DESIGN

- **NG-resistant, anti-static threaded hopper allows easy transitions between charges without needing to empty the hopper.**



Figure 6: The innovative hopper design facilitates easy powder changes and reduces static.

6. MAINTENANCE

Regular cleaning and maintenance will ensure the longevity and accuracy of your powder measure.

6.1 Cleaning

The Uniflow Powder Measure III is designed for quick and easy disassembly for cleaning. This ensures the measure remains in optimal condition for reliable use.

1. Empty all powder from the hopper and metering cylinder.
2. Disassemble the hopper and metering cylinder.
3. Clean all components with a soft, dry cloth. Avoid using solvents or lubricants, as these can contaminate powder.
4. Reassemble the unit, ensuring all parts are correctly aligned and secured.

EASY MAINTENANCE

- Quick and easy disassembly for cleaning ensures your powder measure stays in optimal condition for years of reliable use.



Figure 7: The powder measure disassembled for routine cleaning.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Inconsistent powder charges	◦ Inconsistent operating handle stroke ◦ Powder bridging or clogging ◦ Static electricity affecting powder flow ◦ Metering screw not securely locked	◦ Operate handle with smooth, consistent motion. ◦ Clean the measure thoroughly. Tap the hopper gently to settle powder. ◦ Ensure the anti-static hopper is clean. ◦ Tighten the metering screw lock.

Problem	Possible Cause	Solution
Powder leakage	◦ Loose connections ◦ Damaged components	◦ Check all threaded connections and ensure they are hand-tight. ◦ Inspect for cracks or damage. Contact RCBS support if components are damaged.

8. SPECIFICATIONS

- **Model:** RCBS Uniflow Powder Measure III (Model 9016)
- **Manufacturer:** RCBS Precisioneered Reloading LLC
- **Item Weight:** 3.1 pounds
- **Product Dimensions:** 1 x 1 x 1 inches (*Note: These dimensions may represent packaging or internal components, not the full assembled unit.*)
- **Material:** Blend
- **Included Components:** Uniflow Powder Measure, III
- **Powder Capacity:** Up to 0.5 lbs extruded powder, 0.33 lbs flake powder
- **Charge Range:** Delivers precise powder charges from 0.5 to 95 grains with tight tolerances

9. WARRANTY AND SUPPORT

This product is covered by a Manufacturer Warranty. For specific warranty details, claims, or technical support, please contact RCBS directly or visit their official website.

You can also find more information and support resources by visiting the [RCBS Store on Amazon](#).

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This manual is for informational purposes only. Always exercise caution and follow safe reloading practices.

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Example: How do I reset this device or fix this error?

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Model number, symptoms, what you tried, or the section of the manual you are using.

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