

# RCBS®

PRECISIONEERED RELOADING EQUIPMENT

We think that we make the very best reloading equipment in the world. If you agree, please tell your friends. If you disagree, tell us we want to do something about it!

Customer Service

1-800-533-5000 (US or Canada) or 530-533-5191

Hours: Monday - Thursday, 6:30am - 3:00pm Pacific Time  
(hours may vary)

e-mail: [rcbs.tech@atk.com](mailto:rcbs.tech@atk.com) or visit our website at [www.rcbs.com](http://www.rcbs.com)

RCBS 605 Oro Dam Blvd. Oroville, CA 95965

# RCBS®

## BLACK POWDER MEASURE



CCI - SPEER - RCBS  
OUTERS - RAMLINE - ORBEX - FEDERAL  
7200547-12/06

## PRODUCT INSTRUCTIONS

## SAFETY

Reloading is an enjoyable and rewarding hobby that is easily conducted with safety. But carelessness or negligence can make reloading hazardous. This product has been designed from the beginning with the user's safety in mind.

As with any reloading operation, some safety rules must be followed. By observing these few rules, the chance of hazardous occurrence causing damage or injury becomes extremely remote.

### GENERAL

- Use the equipment as the manufacturer recommends. Study the instructions carefully and become thoroughly familiar with the operation of the product. Don't take short cuts.
- Observe "good housekeeping" in the work area. Keep tools and components neat, clean and orderly. Promptly clean up any powder spills.
- Always wear adequate eye protection.
- If any unusual resistance is encountered when moving the operating handle, STOP IMMEDIATELY and investigate the cause. To proceed against unusual resistance may damage equipment and/or cause serious injury!

### LOADING DATA

- Use only laboratory tested data. We highly recommend the use of the SPEER Reloading Manual.
- OBSERVE ALL WARNINGS ABOUT THE USE OF MAXIMUM LISTED LOADS.

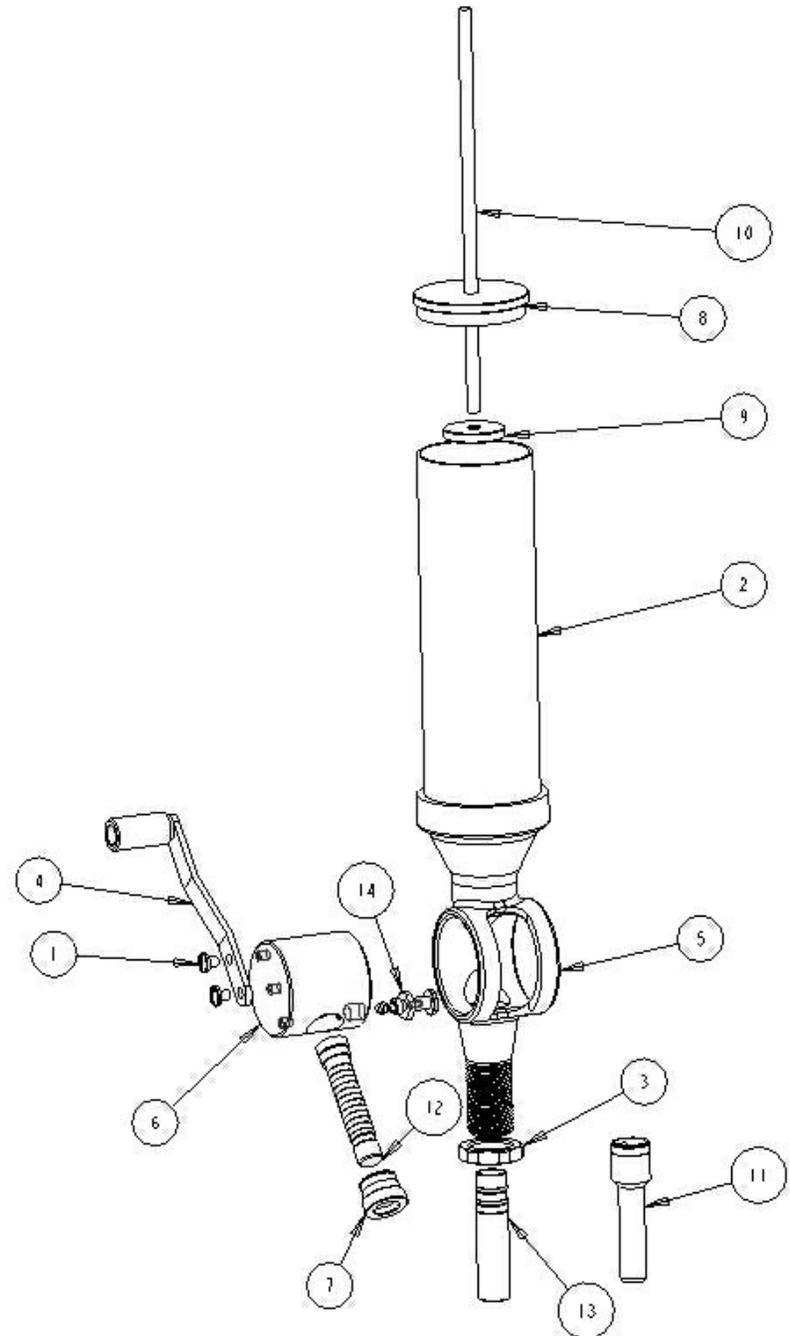
### POWDER HANDLING

- Store primers and powder beyond the reach of children and away from heat, dampness, open flames and electrical equipment.
- DO NOT use any powder unless its identity is positively known. Discard all mixed powders and those of uncertain or unknown identity.
- Before charging cases, settle the powder in the powder hopper. Throw and check the weight of at least ten charges. This will assure you that the correct powder charge is being thrown.
- After a reloading session ends, return the remaining powder back into its original factory container. This will preserve the identity and shelf life of the powder.
- DO NOT smoke while handling powder or primers.
- Black Powder MUST be emptied from the measure IMMEDIATELY after use.

### RECORD KEEPING

- Keep complete records of reloads. Apply a descriptive label to each box showing the date produced, and the primer, powder and bullet used. Labels for this purpose are packed with SPEER bullets.

Since RCBS has no control over the choice of components, the manner in which they are assembled, the use of this product, or the firearms in which the resulting ammunition may be used, no responsibility, either expressed or implied, is assumed for the use of ammunition reloaded with this tool.





Drain Attachment installation position



Powder hopper "drain" position

## TO REMOVE A CYLINDER

To remove a measuring cylinder for cleaning, first empty the powder hopper using the previously described operation. Then pull the Lock Pin and remove the Drain Tube. You can then either remove the two handle screws and handle or the Lock Pin Assembly and carefully slide out the measuring cylinder.

Do not attempt to remove the powder hopper from the main casting.

## STORAGE

***Due to the corrosive nature of Black Powder, the Black Powder Measure must be disassembled, cleaned and lubricated for storage after each use. Consequently, the Black Powder Measure must be cleaned to remove the storage lubrication prior to each use. Failure to follow these instructions will cause the metal parts to corrode, corrosion is NOT covered by the lifetime warranty.***

Item	Qty	Part No	Description
1	2	7109019	Handle Screw
2	1	7109033	Hopper
3	1	7109187	Lock Ring
4	1	7109027	Handle Assy
5	1	7198815	Body
6	1	7198816	Cylinder
7	1	7198817	Powder Sleeve
8	1	7198821	Hopper Cap
9	1	7798822	Low Powder Disc
10	1	7798823	Low Powder Rod
11	1	7798824	Drain Tube
12	1	7798826	Metering Screw Assy
13	1	7798821	Drop Tube Assy
	2	7138285	Drop Tube O Ring
14	1	7798856	Lock Pin Assy

## GENERAL INFORMATION

The Black Powder Measure will perform two powder charging tasks in one fast, simple operation. Cycling of the handle will accurately measure powder within a fraction of a grain and swiftly dispense it into a case, one after another. Powder pours uniformly from the powder hopper into the measuring cylinder, through the drop tube and into the case. You can change from one charge to another quickly and easily by adjusting the brass metering screw.

The powder level is visible at all times due to the low powder follower rod which 'rides' the powder stack down.

The measuring cylinder has a precision-machined surface and slides into the honed main casting for a precise fit. The lower portion of the main casting has the standard 7/8"-14 threads and may be used on an optional Powder Measure/Piggyback Stand or Advanced Powder Measure Stand.

A powder measure is basically a device which measures powder by volume and not by weight. However, before you start throwing a given charge with this powder measure, the first charges must always be weighed on a powder scale to arrive at the desired charge. Accurate powder measure charges will also depend upon the size and uniformity of the powder kernels used, and how smoothly and uniformly you operate the powder measure handle. For consistency, it is imperative that you follow a set routine when throwing charges of powder.

***Due to the corrosive nature of Black Powder, the Black Powder Measure must be disassembled, cleaned and lubricated for storage after each use.***

## TO ASSEMBLE

***To prepare the Black Powder Measure for use, the measuring cylinder, measuring screw, drain attachment, inside of main casting and powder funnel portion of main casting must be cleaned to remove the factory applied rust preventative. Failure to do so will cause inconsistent powder charges.***



Install the Locking Pin assembly into the single threaded through hole on the side of the Measuring Cylinder and tighten. Carefully insert the assembly into the main casting, this is a precise fit, do not force the cylinder into the casting. Insert screws through the handle and attach to the measuring cylinder on the opposite side of the Locking Pin. The Powder Measure can be set up for right or left handed use depending on which way you slide in the assembly.



*Installing Locking Pin*

The Black Powder Metering Assembly uses an eccentric cam to lock the metering screw in place. Slide the Powder Sleeve towards the knurled part of the adjustment screw. Insert the other end into the metering cylinder, you may have to rotate the Metering Assembly to allow it to enter into the Cylinder hole. You will notice a tapered hole on the side of the Metering Screw Assembly Sleeve, this is the locking point for the Locking Pin. Pull the Locking Pin, align the hole in the Metering Screw Sleeve with the Locking Pin, slide the Sleeve into the Metering Cylinder and release the Locking Pin. Try to rotate the Metering Assembly Sleeve to insure that it has been locked in place.



*Large metering assembly*



*Aligning locking pin hole on metering assembly*

To assemble the low powder system, press the Low Powder Rod into the Low Powder Disk

The Black Powder Measure can be mounted on an optional Powder Measure Stand, available from your reloading dealer. One friction fit aluminum drop tube is furnished as well as a Drain Tube.

## TO USE

Before attempting to throw a series of powder charges, set the powder measure for the maximum charge and run about a pound of powder through it. This will deposit a film on the inside of the measure and help the powder flow through more evenly and consistently. The Metering Assembly will dispense between 5.0 and 120 grains of Fg-FFFg black powder.

Be sure you use the same uniform movements for each powder charge. To throw a charge, raise the handle until it comes to the end of the stroke with a light tap. Then lower the handle in the same manner. This tap at the end of each stroke helps to settle the powder uniformly in the measure.

A dependable powder scale should be used to set the first charges in the powder measure as follows: throw a powder charge directly into the scale pan by raising the handle and lowering it. Weigh the charge. If it is too heavy, adjust the measuring screw "in". If the charge is too light, adjust the measuring screw "out". When you arrive at the exact charge you need, insure that the metering screw is locked in place. Now you're ready to throw a series of charges.

As a precaution, throw every tenth charge into the scale pan and weigh it to be sure of consistency.

The low powder system rests on the top of the powder stack and follows it down to show you the remaining amount of powder.

**Return black powder to its original container IMMEDIATELY after use. Black powder left in the measure overnight, will cause corrosion of the measure, which is NOT covered under warranty.**

## DRAINING POWDER HOPPER

It is not necessary to empty the powder hopper each time you change charges unless a different powder is required.

**Black powder should NOT be stored in the measure for any reason as it will deteriorate and corrode the measuring cylinder and powder hopper.** The measure can be emptied without taking it off the bench or reloading press by using the provided Drain Attachment.

Dispense the remaining charge and hold the handle in the "up" position. Pull the Locking Pin and remove the Metering Screw Assembly. Align the Lock Pin hole on the side of the Drain Attachment and insert into the Metering Cylinder, release the Lock Pin. Try to rotate the Drain Attachment to insure that it is locked in place. Place the correct powder container near the end of the Drain Attachment and slowly bring the handle down. The powder will flow through the Measuring Cylinder and Drain Attachment and back into your powder container.

**CAUTION: If the handle is in the "down" position when the Metering Assembly is removed, the powder will flow through the Measuring Cylinder and spill out of the powder measure!**