



# CO<sub>2</sub> BB Air Pistol

Ages  
16+

## OWNER'S OPERATION MANUAL



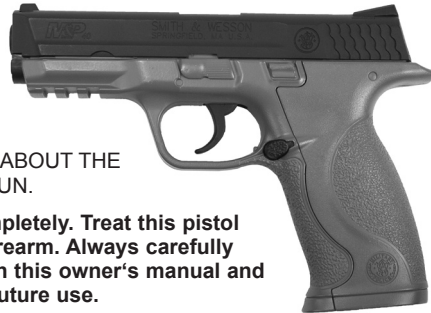
### Smith & Wesson®

- .177 Caliber (4.5 mm)
- CO<sub>2</sub> Powered
- Shoots steel BBs
- Velocity up to 480 fps

**⚠ WARNING:** THIS AIRGUN IS NOT A TOY. THIS AIRGUN IS RECOMMENDED FOR ADULT USE ONLY. MISUSE OR CARELESS USE MAY CAUSE SERIOUS INJURY OR DEATH. ADULT SUPERVISION REQUIRED.

YOU AND OTHERS WITH YOU SHOULD ALWAYS WEAR SHOOTING GLASSES TO PROTECT YOUR EYES. READ ALL INSTRUCTIONS BEFORE USING. BUYER AND USER HAVE THE DUTY TO OBEY ALL LAWS ABOUT THE USE AND OWNERSHIP OF THIS AIRGUN.

Please read this owner's manual completely. Treat this pistol with the same respect you would a firearm. Always carefully follow the safety instructions found in this owner's manual and keep this manual in a safe place for future use.



**⚠ CAUTION:** May be dangerous up to 350 yards or the distance of over three football fields. Think about what you might hit if you miss your target.

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**⚠ CAUTION:** Failure to follow the instructions and recommendations in this owner's manual may result in bodily injury including face, eye, and ear injury, blindness, or deafness.

## 2. Operating the Safety

**⚠ WARNING:** BE SURE THE AIRGUN IS ALWAYS POINTED IN A SAFE DIRECTION. NEVER POINT THE AIRGUN AT ANYTHING YOU DON'T INTEND TO SHOOT. ALWAYS ASSUME AND HANDLE THE AIRGUN AS IF IT WERE LOADED AND READY TO FIRE.

### 2A. To Put the S&W M&P "ON SAFE"

- Locate the safety on the right side of the airgun above the trigger.
- Push the safety forward (toward "S") until no red is showing (illustration 2A). The safety is not "ON SAFE" unless it is pushed all the way forward and the RED is NOT showing.

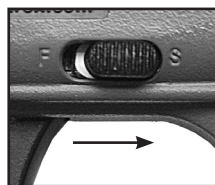


illustration 2a

### 2B. To Take the S&W M&P "OFF SAFE"

- Locate the safety on the right side of the airgun above the trigger.
- Pull the safety rearward (toward "F") (illustration 2B). When you can see the RED the airgun is "OFF SAFE" and can be fired.

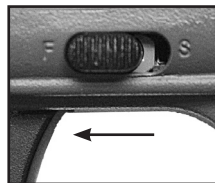


illustration 2b

**⚠ CAUTION:** Like all mechanical devices, an airgun safety can fail. Even when the safety is "ON SAFE", you should continue to handle the airgun safely. NEVER point the airgun at anything you do not intend to shoot.

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**⚠ WARNING:** THIS AIR PISTOL CAN CAUSE SERIOUS INJURY OR DEATH. READ AND FOLLOW THE INSTRUCTIONS CAREFULLY. DO NOT LOAD A PROJECTILE INTO THE AIR PISTOL UNTIL YOU ARE READY TO SHOOT. IF YOU DO LOAD A PROJECTILE AND THEN DECIDE NOT TO SHOOT, REMOVE IT BY SHOOTING THE AIR PISTOL AT A SAFE TARGET. AN UNLOADED AIR PISTOL WHICH IS "ON SAFE" IS SAFEST. ACCIDENTS HAPPEN FAST, FATALLY WOUNDING SOMEONE IS A TERRIBLE THING. PLEASE SHOOT SAFELY.

Air Pistols differ in their operation and you are never ready to fire any airgun until you are thoroughly familiar with it. Read the following operating instructions thoroughly prior to operating. These symbols, **⚠** **⚡**, mark warnings and cautions in this operation manual. Carefully follow them for your own safety and the safety of others.

### Operating Procedures

1. Learning the Parts of Your Air Pistol
2. Operating the Safety
3. Installing and Removing CO<sub>2</sub> Cylinders
4. Loading and Unloading Projectiles
5. Aiming and Firing Safety
6. Use and Handling of CO<sub>2</sub> Cylinders
7. Maintenance, Cleaning, and Storage
8. Troubleshooting
9. Reviewing Safety
10. Repair / Service / Warranty

## 1. Learning the Parts of Your Air Pistol



illustration 1

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## 3. Installing and Removing CO<sub>2</sub> Cylinders

**⚠ WARNING:** USE ONLY CO<sub>2</sub> GAS. ANY ATTEMPT TO USE OTHER TYPES OF GAS COULD BE EXTREMELY DANGEROUS AND COULD RESULT IN SERIOUS INJURY OR DEATH. GASSES OTHER THAN CO<sub>2</sub> COULD RESULT IN AN EXPLOSION OR RUPTURE OF THE AIR PISTOL.

**⚠ CAUTION:** NEVER INSERT THE MAGAZINE UNTIL YOU HAVE VERIFIED THE AIR PISTOL WILL DISCHARGE CO<sub>2</sub> PROPERLY.

The Smith & Wesson M&P air pistol is powered by one 12 gram CO<sub>2</sub> cylinder. We recommend the use of Walther CO<sub>2</sub> cylinders for a proper seal.

### 3A. Installing a New CO<sub>2</sub> Cylinder

- Put the air pistol "ON SAFE" (see Step 2. Operating the Safety).
- Remove the magazine.
- Make sure a projectile is not loaded (see Step 4. Unloading Projectiles).
- If it contains CO<sub>2</sub> (see Step 3B. Removing CO<sub>2</sub> Cylinders).
- Pull the pistol grip rearward exposing the CO<sub>2</sub> housing (illustration 3a).
- Before installing a 12g CO<sub>2</sub> cylinder, place one drop of RWS Chamber lube on the top of the small end of the 12g CO<sub>2</sub> cylinder.
- Insert the 12g CO<sub>2</sub> cylinder, with the small neck of the cylinder pointing upward into the grip, and turn the piercing knob clockwise until it pierces the CO<sub>2</sub> cylinder. (illustration 3b)
- Push the pistol grip forward to close (illustration 3c).
- Make sure the cylinder has been punctured. With the air pistol unloaded, pointed in a SAFE DIRECTION, take "OFF SAFE" (see Step 2B) and pull the trigger to fire. If it does not fire, tighten the piercing knob some more and repeat this step.



illustration 3a



illustration 3b



illustration 3c

**NOTE:** Never try to force any CO<sub>2</sub> cylinder into or out of place. Do not store your air pistol with a CO<sub>2</sub> cylinder in it. If you know you will not be using your air pistol for more than 24 hours, empty the CO<sub>2</sub> cylinder and remove it from the airgun. (see step 3B. Removing CO<sub>2</sub> cylinders). This is very important to remember, as it will prolong the longevity of your air pistol seals.

**CAUTION:** Keep hands and face away from escaping CO<sub>2</sub> gas. Escaping CO<sub>2</sub> gas is very cold and can cause serious injury to you or others. Always wear eye and hand protection when inserting or removing CO<sub>2</sub> cylinders.

### 3B. Removing a CO<sub>2</sub> Cylinder

- Put the air pistol "ON SAFE" (see Step 2. Operating the Safety).
- Remove the magazine.
- Make sure the airgun is unloaded (see Step 4. Unloading Projectiles).
- Point the airgun in a SAFE DIRECTION.
- Put the air pistol "OFF SAFE" (see Step 2. Operating the Safety).
- Fire the air pistol until it will not fire, indicating the CO<sub>2</sub> cylinder is empty.
- Put the air pistol "ON SAFE".
- Pull the pistol grip rearward exposing the CO<sub>2</sub> cylinder.
- Use one hand to hold the air pistol at the top of the slide. Be sure to keep the muzzle pointed in a safe direction.
- Slowly turn the piercing knob counterclockwise (down) until it stops turning; allowing any remaining CO<sub>2</sub> gas to escape.
- Remove the empty CO<sub>2</sub> cylinder and discard.

## 4. Loading and Unloading Projectiles

### 4A. Loading Projectiles

- Put the air pistol "ON SAFE" (see Step 2. Operating the Safety).
- Always point the air pistol in a SAFE DIRECTION.
- Hold the air pistol upright.
- Remove the magazine by pressing the magazine release button (illustration 4a) and pulling the magazine from the bottom of the grip frame.
- Pull the BB follower down and hold it. (illustration 4b).
- Load up to 19 (.177 caliber) steel BBs through the magazine loading port (illustration 4c). We recommend RWS Match-Grade BBs.
- Gently release the follower.
- Insert the loaded magazine back into the bottom of the grip frame until it locks in place.

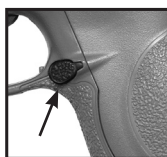


illustration 4a

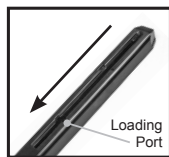


illustration 4b

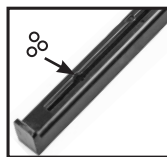
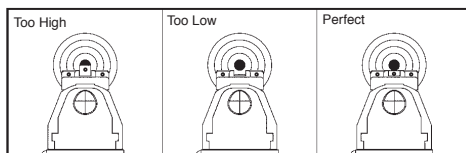


illustration 4c

- After all projectiles have been fired, repeat loading (see Step 4).
- Never aim at pets, water, or people.
- Do not shoot at hard surfaces or the surface of water. Projectiles may bounce off or ricochet and hit someone or something you had not intended to hit.
- Do not shoot at fragile surfaces such as glass or mirrors.
- Always choose your target carefully. Only targets which cannot be penetrated or which will not cause ricochets should be used.
- Your backstop should be checked for wear before and after each use. Replace your backstop if the surface is worn or damaged, or if a ricochet occurs.
- The air pistol is correctly aimed when the white dot on the front sight blade is positioned exactly in the notch and even with the green dots of the rear sight. The top of the front sight blade should be even with the top of the notch in the rear sight. The bullseye should appear to rest on the top of the front sight (illustration 5).

illustration 5



**CAUTION:** Your backstop should be inspected for wear before and after each use. Discontinue use if the backstop surface shows signs of failure. Always place the backstop in a location that will be safe should the backstop fail. Discontinue the use of a backstop if the projectile rebounds or ricochets. Never aim at pets or water. Never aim at people when they're not involved in a gaming or training situation.

## 6. Use and Handling of CO<sub>2</sub> Cylinders

**WARNING:** A CO<sub>2</sub> CYLINDER CONTAINS GAS UNDER PRESSURE, WHETHER OR NOT IT HAS BEEN INSERTED INTO A GUN. IF EXPOSED TO HIGH TEMPERATURES (SUCH AS INSIDE A CLOSED CAR AND/OR IN DIRECT SUNLIGHT, IT COULD EXPLODE. STORE ALL CYLINDERS IN A COOL PLACE.

**CAUTION:** Always point the muzzle in a safe direction. Never place your hand in front of the muzzle.

**CAUTION:** Use only flawless .177 caliber BBs. Do not attempt to use deformed, used, or soiled projectiles. Projectiles other than .177 caliber BBs can cause injury to you or someone else or may damage and/or jam the air pistol. Use of anything other than .177 caliber BBs will void the warranty.

### 4B. Unloading Projectiles from the Air Pistol

- Always point the air pistol in a SAFE DIRECTION.
- Make sure the air pistol is "ON SAFE" (see Step 2. Operating the Safety).
- Remove the magazine by pressing the magazine release button (illustration 4a) and pulling the magazine from the bottom of the grip frame.
- Point the air pistol in a SAFE DIRECTION.
- Put the air pistol "OFF SAFE" (see Step 2. Operating the Safety).
- Pull the trigger to fire until the air pistol no longer shoots projectiles.
- Put the air pistol "ON SAFE".

Note: The air pistol must be charged with CO<sub>2</sub> when following these steps, but remember, do not store your air pistol with a CO<sub>2</sub> cylinder in it.

### 4C. Unloading Projectiles from the Magazine

- Always point the air pistol in a SAFE DIRECTION.
- Make sure the air pistol is "ON SAFE" (see Step 2. Operating the Safety).
- Remove the magazine by pressing the magazine release button (illustration 4a) and pulling the magazine from the bottom of the grip frame.
- Locate the BB release button on the magazine (illustration 4d).
- Hold magazine so that the top (opening) is pointed away from your face. It is best to wear shooting glasses to protect your eyes and to place it over a trash can or other container.
- Press down on the BB release button until all of the BBs have been ejected from the magazine. Do not have magazine pointed towards the face.

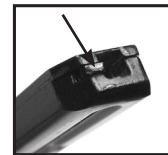


illustration 4d

## 5. Aiming and Firing Safely

- You and others with you should always wear shooting glasses to protect your eyes.
- Always aim your air pistol in a SAFE DIRECTION. When you are sure of your target and backstop, and the area around the target is clear then you are ready to fire.
- Take "OFF SAFE" (see Step 2) and squeeze the trigger with steady pressure until the air pistol fires.

Always follow warnings listed on propellant source for handling and storage.

It is possible that certain conditions may affect a CO<sub>2</sub> cylinder, which can impact its proper performance. These conditions include the usage, maintenance and storage at temperatures that are higher or lower than normal outdoors temperatures (59°F/15°C to 69.8°F/21°C). Another condition may be when the gun is fired rapidly.

- High temperatures can increase pressure in the CO<sub>2</sub> cylinder and also within the gun, leading to higher than standard operating pressure. This excess pressure could cause the gun to malfunction or be permanently damaged. Maximum storage or operation temperature should never exceed 122°F (50°C). This temperature can be reached if you leave the gun under direct sunlight on a bright day. Thus, to ensure proper gun operation, do not expose it to high temperatures or direct sunlight for long periods of time. Otherwise, the CO<sub>2</sub> cylinder could overheat and explode, which could damage the airgun and cause injuries or death to people around it.
- Fast consecutive shooting may produce a decrease of temperature in the gun, as well as the CO<sub>2</sub> cylinder. This could result in lower projectile velocities and may even lower gas pressure enough so that the pistol will not fire. This condition can be especially apparent when shooting in cold weather and can be avoided by allowing more time between shots. This permits the gas to increase in temperature and pressure and produce normal velocities.
- During rapid fire, the muzzle velocity of each shot will diminish. This can affect shooting accuracy and you will get fewer shots per CO<sub>2</sub> cylinder.
- Care should be exercised to ensure that the gun is not shot with a CO<sub>2</sub> cylinder that is low in pressure. Here are some indicators of insufficient pressure:
  - The sound of the shot is not as loud as when the cylinder is full.
  - The projectile hits the target, but in a lower position than it would with a full CO<sub>2</sub> cylinder (that is, the shooting speed has dropped).

**CAUTION:** Never attempt to reuse a CO<sub>2</sub> cylinder for any purpose.

7. Maintenance, Cleaning, and Storage

**CAUTION:** Before any care, cleaning, or maintenance, always be sure your airgun is “ON SAFE” and unloaded. It is important to maintain your airgun properly.

With care and routine inspections your air pistol will provide many sessions of shooting enjoyment. Abuse, neglect and continued exposure to the elements will impair the performance of any airgun. To ensure continued proper function, apply 2 to 3 drops of RWS Spring Cylinder oil onto all moving parts such as the BB follower, gas cylinder piercing screw and the trigger hinge.

**CAUTION:** Always check to make sure the air pistol is unloaded when getting from storage or from another person.

8. Trouble Shooting	Poor firing performance	Air Pistol does not function	Low velocity
CO2 cylinder is empty	●	●	●
CO2 cylinder is defective		●	
Extreme temperature	●		●
Incorrect projectiles	●	●	●

9. Reviewing Safety

- Never point the airgun at anything you do not intend to shoot.
- Always treat the airgun as though it is loaded and with the same respect you would a firearm.
- Always aim in a SAFE DIRECTION. Always keep the muzzle of the airgun pointed in a SAFE DIRECTION.
- Never look down the barrel of an air pistol.
- Always keep the airgun “ON SAFE” until you are ready to shoot.
- Always check to see if the airgun is “ON SAFE” and unloaded when getting it from another person or from storage.
- Always keep your finger off the trigger and out of the trigger guard until ready to shoot.
- Use the proper size projectile for your airgun.
- Never reuse ammunition.
- Do not shoot at hard surfaces or at the surface of water. The projectile may bounce off or ricochet and hit someone or something you had not intended to hit.

caused by abuse or failure to perform normal maintenance as well as any other expense. Consequential damages, or incidental expenses, including damage to property. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

**WARRANTY CLAIMS:** Warranty Claims and Repair for U.S. and Canadian customers only. Call Umarex USA (479) 646-4210 and ask for the Service Department. If it is determined a return is necessary, you will be issued a Return Authorization Number. Write this number boldly on the box and return the product prepaid to Umarex USA. Your name, address, phone number, and a note explaining the defect found must be included in the package. A copy of the original purchase receipt must accompany the return. Include a check made to Umarex USA in the amount of \$9.95 to cover shipping and handling.

**IMPLIED WARRANTIES**

Any implied warranties, including the implied warranties of merchantability and fitness for a particular purpose, are limited in duration to 90 days from date of retail purchase. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. TO THE EXTENT ANY PROVISION OF THIS WARRANTY IS PROHIBITED BY FEDERAL, STATE, OR MUNICIPAL LAW WHICH CANNOT BE PREEMPTED, IT SHALL NOT BE APPLICABLE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE AND COUNTRY TO COUNTRY.

**CAUTION:** Unauthorized modifications of your airgun my result in a different classification and are therefore not permitted. The manufacturer’s warranty will become null and void in such cases.

Smith & Wesson M&P Specifications			
System:	CO <sub>2</sub>	Action:	Double
Caliber:	.177	Velocity:	Up to 480 feet per second
Projectiles:	BBs	Safety:	Manual
Length:	7.5 in.	Magazine Capacity:	19 shots
Barrel Lgth:	4.25 in.	Danger Distance:	350 yards
Weight:	1 lb.		

- Do not shoot at fragile objects such as windows.
- Place the backstop in a location that will be safe should the backstop fail.
- Your backstop should be checked for wear before and after each use. All backstops are subject to wear and will eventually fail. Replace your backstop if the surface is worn or damaged or if a ricochet occurs.
- Do not attempt to disassemble or tamper with your airgun. Unauthorized repairs or modifying the function of your airgun in any way may be unsafe and will void your warranty.
- Before you store your airgun, make sure it is unloaded, the CO<sub>2</sub> cylinder is removed, and is “ON SAFE.”

**WARNING:** AN AIR PISTOL THAT IS NOT OPERATING PROPERLY MAY BE DANGEROUS. IT SHOULD BE KEPT SAFELY FROM USE BY ANYONE UNTIL REPAIRED OR DESTROYED. DO NOT TRY TO TAKE THE AIR PISTOL APART. IT IS DIFFICULT TO REASSEMBLE AND IMPROPER DISASSEMBLY OR REASSEMBLY CAN CAUSE SERIOUS INJURY OR DEATH.

**CAUTION:** The components of this air pistol were engineered and manufactured to deliver optimum performance. Any modification or tampering with an air pistol may cause a malfunction, void your warranty, and may make it unsafe to use. Any change in performance (such as a lowered trigger pull force and shortened trigger travel) indicates possible modification, tampering and/or wear. Such airgun should be inspected, replaced, or properly repaired by only qualified Umarex USA personnel. Any airgun that has been dropped should be checked by qualified personnel to ensure that its function has not been affected.

10. Repair / Service / Warranty

Do not return defective or damaged product to the dealer. If your airgun needs repair, call Umarex USA (479) 646-4210 and ask for the Service Department or visit [www.umarexusa.com](http://www.umarexusa.com). DO NOT ATTEMPT TO DISASSEMBLE IT! Your airgun requires special tools and fixtures to repair it. Any disassembly or modification not performed by Umarex USA will void the warranty.

**90 DAY LIMITED WARRANTY**

Smith & Wesson air pistols are warranted to the retail consumer for 90 days from date of purchase against defects in material and workmanship and is not transferable.

**WHAT IS COVERED:** Replacement parts and labor.

**WHAT IS NOT COVERED:** Shipping charges to Umarex USA for defective product and damages

Ask for these and other airgun products at your favorite retailer.

**Walther® Shot Spot™ universal laser sight:**

- Fits both Picatinny or Weaver rail systems.

Item:  
2252541  
with cord switch



**RWS Match-Grade BBs:**



Item:  
2252539  
.177 cal - 5000 ct.

Item:  
2252538  
.177 cal - 1500 ct.

**Smith & Wesson CO<sub>2</sub> Revolvers:**



Item:  
2255000  
586 - 4-inch Black \*

Item:  
2255003  
686 - 6-inch Nickel

\*Also available in a 6- or 8-inch barrel.