

AIR
Venturi
the power of air
www.AirVenturi.com



Halestorm & Halestorm-10 PCP Air Rifle

INSTRUCTION MANUAL

PLEASE READ THIS MANUAL BEFORE USING YOUR AIRGUN

WARNINGS:

Not a toy. Adult supervision required. Misuse or careless use may cause serious injury or death. May be dangerous up to 1,000 yards.

Use only dry, filtered compressed air in this gun. Use no other gas, including oxygen, which can cause a fire or explosion that may result in serious injury or death.

Do not inhale dust from lead pellets or put lead pellets in the mouth. Wash hands after handling lead. Lead pellets contain lead, a chemical known to the State of California to cause cancer and birth defects (or other reproductive harm).

Use the correct pellet size for your rifle. Never reuse pellets. The use of any other kind of ammunition can cause injury to you or damage to your rifle.

Keep your finger off the trigger while cocking the air rifle.

Keep the air rifle on SAFE until you're ready to shoot, then take the safety off.

Do not assume your gun is unloaded if it fails to fire properly!

Never leave your airgun loaded.

This airgun is intended for use by those 18 years of age or older.

**MAXIMUM SAFE WORKING PRESSURE: 200 BAR (2,900 psi)
RECOMMENDED FILL PRESSURE: 190 BAR (2,755 psi)**

Troubleshooting

Do not use this rifle until you have read and understood this owner's manual.

In the unlikely event your rifle malfunctions or exhibits reduced performance, DO NOT attempt to fix the problem yourself. Call Air Venturi so we can address any issues or have you return the gun for repair.

Air Venturi service line: 216-292-2570

**Illustrations and photographs are for information purposes only
and may not show the exact model purchased.**

Thank you for buying the Halestorm or Halestorm-10 PCP air rifle.

Always use caution when operating this rifle. Learn and obey the laws of your state and/or country and be responsible when you use this air rifle. **Please read this manual completely before handling or shooting your airgun.** It's the sole responsibility of the user to use this airgun properly and safely.

Your air rifle contains many features that enhance handling, accuracy and enjoyment:

- Grooved receiver for both 11mm and Weaver-style scope mounts.
- Overall blued finish
- Adjustable rubber buttpad
- Precision rifled steel barrel for accuracy
- Manual & automatic safeties
- Synthetic stock, thumbhole synthetic stock and wood stock have a raised Monte Carlo cheekpiece
- Adjustable front & rear fiber optic sights (except on models with built-in noise dampeners)
- 2-stage metal trigger is adjustable for travel and pull
- Detachable air reservoir lets you use spare reservoirs
- Built-in pressure gauge (manometer) to monitor the air pressure
- Standard quick-fill nozzle & reservoir discharge tool
- 10-shot magazine (Halestorm-10 only)

Warning!

1. **Each Halestorm and Halestorm-10 PCP air rifle contains pressurized air and should be disassembled only by a competent airgunsmith. Do not attempt to disassemble the rifle if it is partially or fully charged, except for removal and replacement of the air reservoir. Serious injury and/or damage may result if this instruction is ignored. Never shoot the rifle when the air reservoir is removed or empty. This may damage your rifle. Never attempt to disassemble the air reservoir's parts or air pressure gauge (manometer) when the reservoir is fully or partially charged. Serious injury and/or damage may result if this instruction is ignored.**
2. **Don't use steel BBs with your rifle. Use only manufactured, waisted, high-quality pellets.**
3. **The Halestorm and Halestorm-10 PCP air rifle is designed specifically for use with DRY COMPRESSED AIR. NO OTHER GAS OR GAS COMBINATION MAY BE USED. The rifle may be filled from a scuba tank, a suitable compressor or a hand pump specifically made to fill pre-charged pneumatic airguns. MAXIMUM SAFE WORKING PRESSURE: 200 BAR (2,900 psi) RECOMMENDED FILL PRESSURE: 190 BAR (2,755 psi)**

GENERAL INSTRUCTIONS

Whether or not your Halestorm and Halestorm-10 air rifle has front and rear sights, you may mount a scope or other optical devices. Before using your new air rifle, make sure it's fully charged and that you abide by the following basic safety rules:

Basic safety rules:

1. Treat every rifle as if it is loaded.
2. Never point the rifle at anyone, or allow anyone to point a rifle at you, even if you know it is not loaded.
3. Always carry the rifle so that the direction of the muzzle is under control, even if you stumble.
4. Always be sure of your target and what lies behind it before firing your rifle.
5. Never leave a loaded rifle unattended.
6. Beware of targets that may cause ricochets.
7. Everyone in the vicinity should wear eye & ear protection when charging the reservoir and when shooting.

Section I. SPECIFICATIONS

Halestorm

The Halestorm is a single-shot, precharged pneumatic air rifle. It is available in .177 caliber (4.5mm), .22 caliber (5.5mm) and .25 caliber (6.35mm).

Barrel length	495mm / 19.5"
Overall length	1000mm / 39.4"
Weight	3.3kg / 7.3 lbs.
Max reservoir fill pressure	200 BAR

Number of shots from a full charge:

1. 50 effective shots in .177 cal. (4.5mm). 90 total shots till the air reservoir is empty.
 2. 50 effective shots in .22 cal. (5.5mm). 80 total shots till the air reservoir is empty.
 3. 50 effective shots in .25 cal. (6.35mm). 70 total shots till the air reservoir is empty.
- (These numbers represent the usable, consistent shots using the air reservoir provided with the rifle.)

Maximum muzzle velocity:

- 1066 fps (325m/s) in .177 caliber (4.5mm)
968 fps (295m/s) in .22 caliber (5.5mm)
669 fps (204m/s) in .25 caliber (6.35mm)

The above figures are maximum velocities measured at the muzzle and with an air reservoir filled to the recommended max fill pressure. Maximum velocity figures may differ from country to country, depending on laws that restrict muzzle velocity or energy. Velocity for your air rifle may differ from the above due to pellet weight and ballistic coefficient.

Halestorm-10

The Halestorm-10 is a 10-shot, precharged pneumatic air rifle.

Barrel Length	495mm / 19.5"
Overall Length	1000mm / 39.4"
Weight	3.3kg / 7.3 lbs.
Max reservoir fill pressure	200 BAR

It is available in .177 caliber (4.5mm) and .22 caliber (5.5mm).

Number of shots from a full charge:

1. 50 effective shots in .177 cal. (4.5mm). 90 total shots till the air reservoir is empty.
 2. 50 effective shots in .22 cal. (5.5mm). 80 total shots till the air reservoir is empty.
- (These numbers represent the usable, consistent shots using the air reservoir provided with the rifle.)

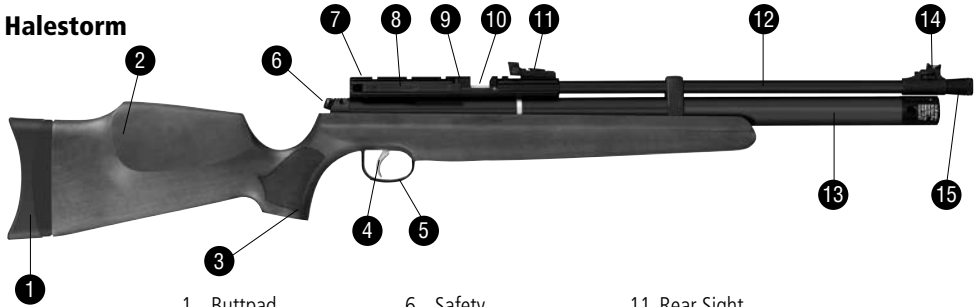
Maximum muzzle velocity:

- 1066 fps (325m/s) in .177 caliber (4.5mm)
968 fps (295m/s) in .22 caliber (5.5mm)

The above figures are maximum velocities measured at the muzzle and with an air reservoir filled to the recommended max fill pressure. Maximum velocity figures may differ from country to country, depending on laws that restrict muzzle velocity or energy. Velocity for your air rifle may differ from the above due to pellet weight and ballistic coefficient.

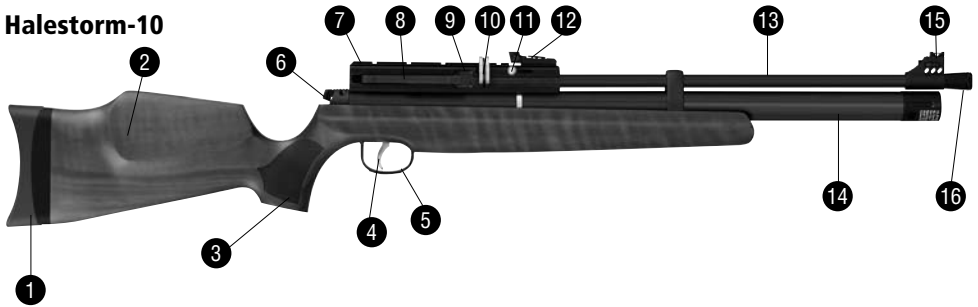
Section II. BASIC PARTS OF YOUR GUN

Halestorm



- | | | |
|-----------------|-------------------------|-------------------|
| 1. Buttpad | 6. Safety | 11. Rear Sight |
| 2. Stock | 7. Scope Rail | 12. Barrel |
| 3. Pistol Grip | 8. Cocking Handle | 13. Air Reservoir |
| 4. Trigger | 9. Receiver | 14. Front Sight |
| 5. Triggerguard | 10. Pellet Loading Port | 15. Muzzle |

Halestorm-10



- | | | | |
|----------------|-------------------|----------------------|-------------------|
| 1. Buttpad | 5. Triggerguard | 9. Receiver | 13. Barrel |
| 2. Stock | 6. Safety | 10. 10-Shot Magazine | 14. Air Reservoir |
| 3. Pistol Grip | 7. Scope Rail | 11. Magazine Release | 15. Front Sight |
| 4. Trigger | 8. Cocking Handle | 12. Rear Sight | 16. Muzzle |

Section III. MANUAL SAFETY

This air rifle has a manual safety, which can be set to the "ON" and "OFF" positions by the shooter.

- Pull the safety to put it **ON**. In this position, the trigger cannot be pulled and the gun cannot be shot (Fig. 1).
- Push the safety to take it **OFF**. In this position, the gun is ready to shoot (Fig. 2).

CAUTION: Until you are ready to shoot, leave the safety ON (Fig. 1).

Section IV. AUTOMATIC SAFETY

The air rifle also has an automatic safety that puts the safety **ON** during cocking. The automatic safety stops the shooter from accidentally pulling the trigger when the air rifle is cocked and prevents unintentional discharges that may cause damage and/or injury.

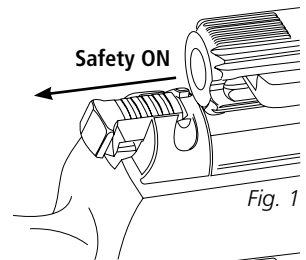


Fig. 1

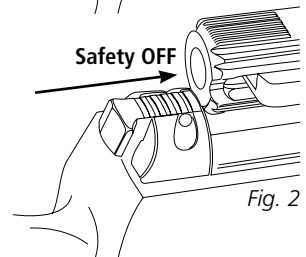
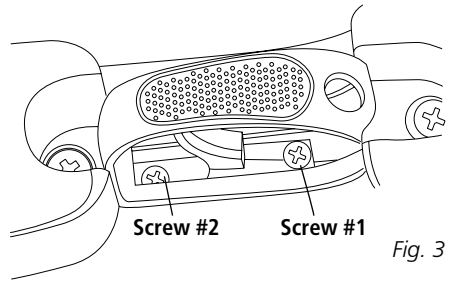


Fig. 2

Section V. 2-STAGE ADJUSTABLE TRIGGER

This air rifle is equipped with a 2-stage trigger that can be adjusted for travel and pull (Fig. 3)

- For less travel, turn adjustment screw #1 clockwise.
- For more travel, turn adjustment screw #1 counterclockwise.
- For more pull, turn adjustment screw #2 clockwise.
- For less pull, turn adjustment screw #2 counterclockwise.



Section VI. ADJUSTABLE FRONT SIGHT & FULLY ADJUSTABLE MICROMETER REAR SIGHT

Your air rifle comes with fiber optic front and rear sights, except on models with fixed noise dampeners. Either type can be mounted with an optical device.

The rear sight is a sensitive device and can be adjusted for elevation and windage.

Rear sight windage adjustment (Fig. 4)

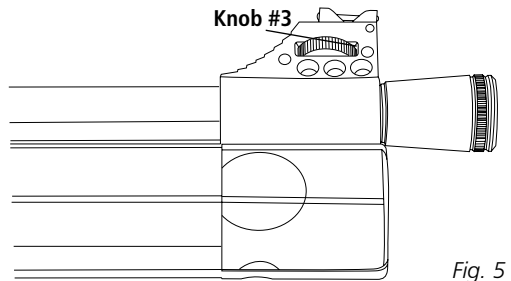
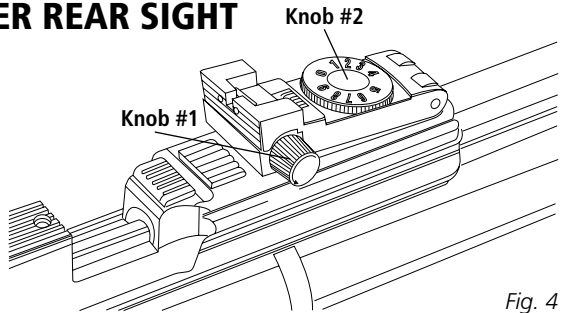
- If the shot hits to the left of the target, turn knob #1 clockwise.
- If the shot hits to the right of the target, turn knob #1 counterclockwise.

Rear sight elevation adjustment (Fig. 4)

- If the shot hits too high, turn knob #2 clockwise.
- If the shot hits too low, turn knob #2 counterclockwise.

Front sight elevation adjustment (Fig. 5)

- If the shot hits too high, turn knob #3 clockwise.
- If the shot hits too low, turn knob #3 counterclockwise.



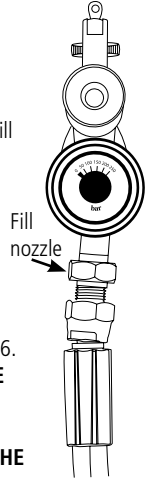
Section VI. OPERATING INSTRUCTIONS:

Charging the rifle:

Fit the fill nozzle to the air hose of the charging equipment, which must incorporate an air pressure gauge (manometer). Make sure the fill nozzle and rifle fill hole are clear of dirt and debris. Push the nozzle into the fill hole. Fill the rifle to the pressure shown on page 2. Do not exceed the maximum fill pressure, as this reduces the velocity of the rifle and may damage rifle components. If using a scuba tank, refill the rifle slowly to prevent damage from heat created by the fill operation.

*Exhaust the hose's bleed valve before disconnecting the nozzle from the rifle.

You can attach a spare air reservoir to your rifle. To do that, remove the mounted reservoir by turning it counterclockwise. Attach the spare reservoir by aligning and rotating it clockwise.



Loading & shooting the Halestorm single-shot rifle:

1. Pull the cocking lever until it locks and put one pellet into the pellet-loading port as shown in Fig 6.

THIS COCKS THE TRIGGER MECHANISM/HAMMER ASSEMBLY. IF THE SAFETY IS IN THE OFF POSITION AND THE TRIGGER IS PULLED, THE RIFLE WILL DISCHARGE.

2. Close the cocking lever as shown in Fig.7.

DO NOT CLOSE THE COCKING LEVER UNTIL YOU ARE READY TO SHOOT. MAKE SURE THE COCKING LEVER IS FULLY CLOSED BEFORE FIRING THE RIFLE, AS PERFORMANCE WILL BE AFFECTED IF NOT FULLY CLOSED.

3. Sight-in with either open sights or an optical device, disengage the safety and get ready to shoot.

4. Pull the trigger gently and the rifle will shoot.

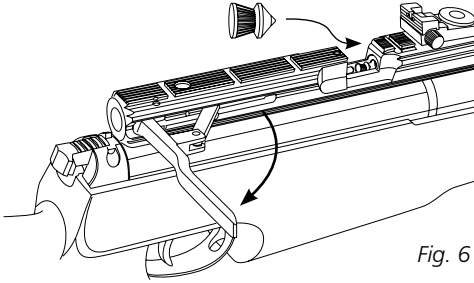


Fig. 6

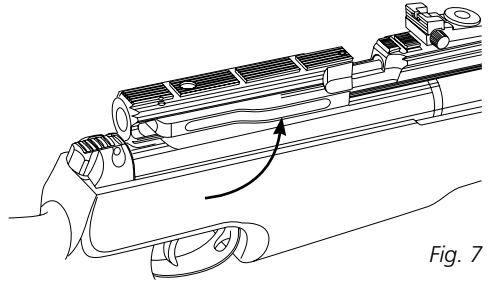


Fig. 7

5. Repeat steps 1-4 to shoot again.

Loading & shooting the Halestorm-10 repeater:

1. The magazine incorporates a raised boss (knob) on its rear face and fits in the rifle only one way. It rotates clockwise when viewed from the rear of the rifle. A cutout on the side of the receiver lets you watch the next chamber rotate into alignment with the barrel so you can see if the next chamber is loaded or empty.

2. To remove the magazine, pull the cocking lever back until it locks, then push the magazine-release bolt forward. Remove the magazine by pulling it to the right. (Figs. 8 & 9).

THIS COCKS THE TRIGGER MECHANISM/HAMMER ASSEMBLY. IF THE SAFETY IS IN THE OFF POSITION AND THE TRIGGER IS PULLED, THE RIFLE WILL DISCHARGE.

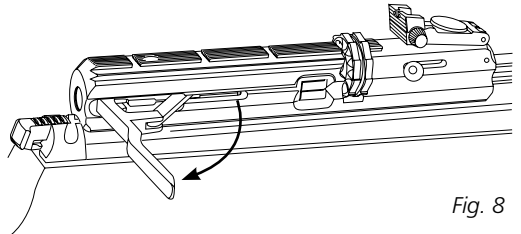


Fig. 8

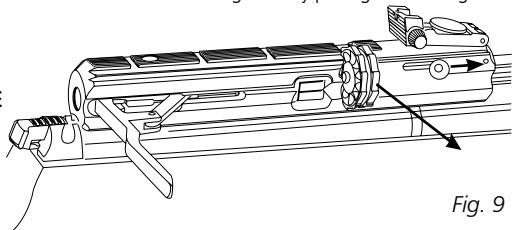


Fig. 9

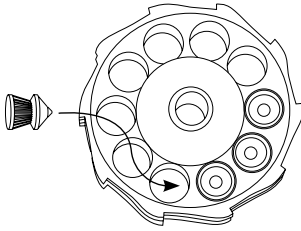


Fig. 10

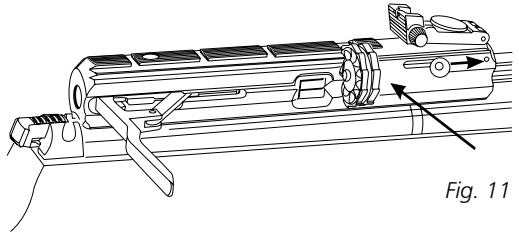


Fig. 11

3. Load pellets through the rear of the magazine. (Fig. 10) Push the pellet nose through the retaining O-ring until the skirt lies flush or below the bottom of the magazine face.
4. Push the magazine release bolt forward and insert the loaded magazine. Pull back on the magazine release bolt so it locks. (Fig. 11) If necessary, rotate the magazine counterclockwise until its movement is halted by the magazine stop.
5. Close cocking lever. (Fig. 12)

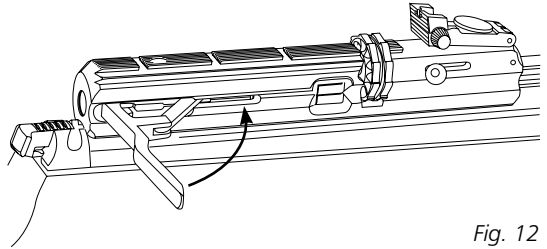


Fig. 12

DO NOT CLOSE THE COCKING LEVER UNTIL YOU ARE READY TO SHOOT. MAKE SURE THE COCKING LEVER IS FULLY CLOSED BEFORE FIRING THE RIFLE, AS PERFORMANCE WILL BE AFFECTED IF NOT FULLY CLOSE.

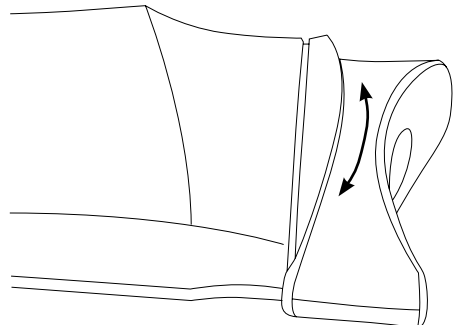
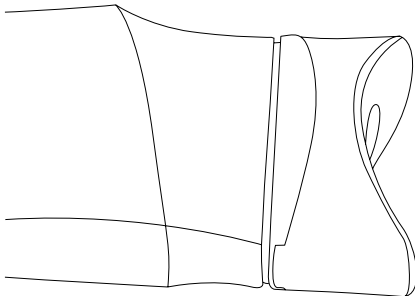
6. Sight-in with either open sights or an optical device, disengage the safety and get ready to shoot.
7. Pull the trigger gently and the rifle will shoot.
8. To reload, pull the cocking lever fully and then close so the next pellet is indexed. Repeat steps 6-7.

Note: As the pellets are used and the magazine rotates, the empty chambers become visible above the receiver. If you like, you can fill these empty chambers without removing the magazine.

Note: You cannot cock the rifle and index the next pellet in the magazine unless you shoot the previous pellet in the barrel. This feature prevents more than one pellet being loaded at a time. Loading more than one pellet may damage the rifle.

Buttpad adjustment:

The buttpad is adjustable for height and rotates slightly over the stock for the perfect height and angle. To adjust the buttpad, loosen the bolt in the buttpad with an Allen wrench and raise or lower it according to your needs. Then tighten the bolt.



Section VII. MAINTENANCE

WARNING!

Never attempt to disassemble this rifle when it is charged, except for removal and replacement of the air reservoir. Never fire the rifle when the air reservoir is removed or empty. Failure to obey this instruction could result in damage to your rifle.

Never put a lubricant inside the barrel, as this will negatively impact the accuracy.

Occasionally apply proper silicone-based oils sparingly to the following parts:

- Trigger mechanism
- Pellet probe
- Cocking lever sliding surface
- Rear of the magazine pin and magazine release
- Magazine axis hole and outer O-ring.

DO NOT OVER-LUBRICATE THE RIFLE!

- Clean the barrel with a cleaning rod every 500 shots. Never lubricate inside the barrel.
- Before you begin oiling or cleaning your airgun, always check to make sure it is unloaded.
- Always be sure your gun barrel is clean and not blocked.
- After cleaning, make sure that no cleaning patch or other obstruction remains in the barrel.
- A qualified airgunsmith should thoroughly clean your rifle if water, sand or other foreign elements penetrate the internal mechanism.
- It could be dangerous if you do not keep your airgun clean and in proper working condition.

Quick-fill O-ring replacement

After a period of time, the O-rings on the fill nozzle will need to be replaced. This will become obvious if you hear air leaking from the nozzle or if the nozzle ejects while charging the rifle. Always replace both O-rings.

Magazine O-ring replacement (Halestorm-10 only)

When the rifle's cocking lever becomes stiff to operate, it's time to replace the magazine's O-ring. This will occur after you've fired hundreds of shots. Before replacing the O-ring, you should try repositioning the O-ring in its groove. That may overcome the stiffness. If you do replace the O-ring, lightly oil the replacement O-ring before fitting it on the magazine.

Safety Measures & Warnings

- This airgun will shoot if cocked, loaded, safety disengaged and trigger pulled.
- Airguns are not toys. Never let young children use an airgun unsupervised. Adult supervision is strictly required during use. Misuse or careless use may cause serious injury or death.
- Learn how your airgun operates and practice safe gun handling procedures before loading and using it.
- ALWAYS USE EYE AND HEARING PROTECTION AND MAKE BYSTANDERS USE THE SAME. Failure to do so may result in eye injuries and permanent hearing loss.
- Do not point at anything you do not intend to shoot even if the gun is unloaded. Always keep the gun pointed in a safe direction.
- Never pull a gun toward you by the muzzle.
- Always aim at a safe target, making sure that it does not conceal any other object.
- Before you shoot, consider where the pellet will travel should you miss your intended target, thus ensuring no damage or harm could result.
- Be sure of your target before you pull the trigger. Never shoot at sounds.
- When shooting, always have a safe shooting range, have a safe area for shooting, a safe distance between you and the target, and a safe backstop to trap the pellets and hold the target.
- Do not shoot at a target that allows ricochets or deflections. Do not shoot into or at water.

- Do not shoot at or near power lines or insulators. Be especially careful in wooded areas, where power lines may not be as visible.
- Do not load the gun until you are ready to shoot.
- Always keep your fingers away from the trigger and muzzle during cocking and handling.
- Do not walk, run or jump when carrying a loaded or cocked airgun. A loaded or cocked gun should never be carried inside a vehicle, house, camp or public place. Never climb a tree or fence or jump a ditch with a loaded gun. In such a case, first unload it and hand the gun to a friend or place it on the ground on the other side of the obstacle before crossing over.
- When transporting the gun, keep it unloaded and the safety in the ON position.
- Always keep the safety in the ON position until you are ready to shoot, even if the gun is unloaded.
- Do not put the gun away loaded and unattended.
- Always check to see if the safety is in the ON position and unloaded when getting it from another person or from storage.
- Always keep the airgun and/or pellets out of the reach of children. Keep the airgun and pellets in separate places (locked up if possible).
- Do not attempt to disassemble or tamper with your gun. Use a qualified airgunsmith. Many airguns contain powerful springs or high-pressure air reservoirs that can cause serious injury if released in an uncontrolled manner.
- Always handle and treat your gun as if it is loaded.
- Improper use or handling of airguns is not the responsibility of the manufacturer or distributor, under any circumstances. The user is responsible for any harm that may be caused.
- Think first, shoot second. Don't rely on any mechanical safety. Half safe is not safe.
- Be safe, not sorry. Respect other people's property.
- Airguns should never be used if the shooter is under the influence of alcohol or drugs.

Maintenance Tips

Clean your rifle's exterior with a good-quality silicone product. Apply the silicone to a lint-free cloth and then wipe down the rifle's exterior.

Do NOT leave the air fill hole exposed.

Do NOT rely solely on the safety. YOU are the ultimate safety for your gun.

Do NOT leave pellets loaded in the breech of the rifle. Always remove the individual pellets and the magazine from the rifle when you are done shooting.

Do NOT fill the rifle quickly with air. If it is charged too quickly, it can cause excess heat buildup and give inaccurate fill pressure readings.

Do NOT overfill the rifle beyond the fill pressure stated in this manual. Overfilling the gun could be dangerous, damage the rifle, deliver substandard performance and cause it to malfunction.

Do NOT use mineral-based oils or greases.

Do NOT use petroleum-based oils or greases.

MAXIMUM SAFE WORKING PRESSURE: 200 BAR (2,900 psi)
RECOMMENDED FILL PRESSURE: 190 BAR (2,755 psi)

Warranty registration

Halestorm and Halestorm-10 rifles are manufactured to the highest standards, using the finest materials to give a lifetime of service. In the unlikely event there are any defects in materials or workmanship in the first twelve (12) months after retail purchase, we will repair or replace the rifle under warranty. Keep your original purchase receipt.

What is covered: Replacement parts and labor. Transportation charges to consumer for repaired product.

The warranty will be invalid if:

- The rifle has been disassembled and incorrectly reassembled.
- The rifle is found to have lubrication not recommended by Air Venturi.
- The rifle has been fitted with non-Air Venturi parts.
- The rifle has been misused or abused.
- The warranty card was not returned within 28 days of retail purchase and/or the original purchase receipt cannot be presented.

The warranty does NOT cover:

- O-rings, screws, seals, springs or stocks.
- Any damages or faults caused by owner misuse or action.
- Shipment damage of the rifle to or from Air Venturi.
- Transportation charges to Air Venturi for defective products.
- Damages caused by abuse or failure to perform normal maintenance.
- Parts subject to normal wear and tear.
- Consequential damages, incidental damages or incidental expenses including damage to property.
- Any other expense.

Note: 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.

This warranty is in addition to your statutory rights. To register your warranty, the card below must be completed and returned to Air Venturi within 28 days of purchase. Retain your sales receipt as proof of purchase.

Warranty claims: Warranty claims for U.S. and Canadian Customers: Warranty card must be completed and mailed to Air Venturi within 28 days of purchase. Call Air Venturi at 216-292-2570 before returning any product.

Implied warranties: Any implied warranties, including the implied warranties of merchantability and fitness for a particular purpose, are limited in duration to one year from date of retail purchase.

Note: Some states do not allow limitations on how long an implied warranty lasts, so the above limitation 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.

Complete this warranty card and mail to Air Venturi, 26800 Fargo Ave., Unit #L, Bedford Heights, OH 44146.

Serial number:..... Date of purchase:.....

Caliber:..... Where purchased:

Your name:

Your address:.....

Your phone:.....

AIR



Venturi

the power of air

www.AirVenturi.com

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