

Brocock Atomic and Grand Prix Pistol Instructions

BROCOCK

www.brocock.co.uk

IMPORTANT: Please read these instructions before using your gun



SAFETY WARNING

- Only use dry breathing air.
- Any physical damage to air cylinders or filling tanks or their fittings and valves must require the return of the item(s) to the manufacturer or their appointed agent for inspection.
- Any modification or service to the product must only be carried out by the manufacturer or their appointed agent. On no account should owners attempt to work on or modify guns.
- Do not exceed the manufacturers maximum fill pressure for the gun.
- Because of the high pressures involved the air reservoir should be checked periodically by the factory or an appointed agent of the company. Brocock recommend air reservoirs be visually inspected every 3 years and pressure tested every 10 years.
- When storing the pistol avoid excessive heat, cold or humidity.
- Never try to fill your gun with air when the rifle is in a partially assembled state.

GUN SAFETY

- Make sure you know the laws relating to airguns, and abide by them.
- When you pick up any gun always check that it is not loaded.
- Never point a gun at anyone or anything that is not a legitimate target.
- Never leave your gun unattended, even if it's unloaded.
- Gun safety is a state of mind; always remember what guns are for.
- When you have finished shooting, store your gun and pellets separately. Make sure the gun is not loaded and lock it away out of reach of children.
- Never shoot if you are not sure it is safe to do so, be sure of the target before you take the shot.
- Always ensure there is a safe backstop behind your target to stop the pellet if you miss.
- Pellets can ricochet off water or other smooth surfaces, do not shoot at these as they may deflect your pellet in an unintended direction.
- Always unload your gun when climbing or crossing obstacles. Never get into a car or go indoors with a loaded gun.
- Always make sure the muzzle of your gun is pointed in a safe direction in case you stumble.
- Always get the permission of the land owner before shooting.

TECHNICAL INFORMATION

All Brocock airguns are made to the highest standards at our factory in Redditch. Before leaving the factory all guns are tested to verify velocity and pellet grouping. UK law states that air rifles should not be capable of producing muzzle energy above 12 ft-lb, or in the case of air pistols, above 6 ft-lbs all Brocock guns conform to this requirement. Export models are supplied to conform to the laws in the destination country.

USING COMPRESSED AIR

All Brocock airguns can be filled from an air tank or using a hand pump. Whichever is used, a pressure gauge and supply hose bleed device must be included, and the manufacturers' instructions must always be followed.

FILLING YOUR AIR GUN WITH COMPRESSED AIR

Note: Do not use any other gas than clean, dry compressed AIR.

- On Elite models, rotate the knurled collar at the end of the cylinder to access the filling valve and insert the male filling probe into the inlet valve and push it all the way in.
- On 1" cylinder models, remove the cylinder end cap and attach the snap filling connector to the male filling valve.
- Check that the bleed screw on the charging unit is closed and slowly open the feed valve on the air bottle. Compressed air will now fill the reservoir.
- Fill to the charging pressure marked on the breech block, typically 200 bar maximum. Close the feed valve. Allow a few minutes for the pressure to 'settle' and then top up if required.
- Ensure that the valve on the charging cylinder is closed, then sharply open the bleed valve on the charging unit and bleed off the air from the filler hose.
- Remove the filling probe and rotate the knurled collar to close the filling valve aperture.

Maximum fill pressure

Brocock air guns have a maximum fill pressure of 200 bar but because of manufacturing tolerance variations, the optimum fill pressure may differ slightly from the recommended fill pressure stated. If you exceeded the maximum fill pressure you will reduce the power of the gun and may cause damage to the valve. Damage so caused is classed as miss-use and is not covered by the warranty and is a chargeable repair.

Regularly check the condition of the filling probe "O" rings and apply a little Molycote 111 grease. Only use this grease on the "O" rings as automotive mineral oils and grease can cause serious damage if used with high-pressure air.

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LOADING THE PISTOL

- Lift the bolt handle and pull back as far as it will go and lock it downwards, to open the breech. If the gun is a multi-shot, the magazine can now be removed.
- The magazine has been designed so that it will only fit into the gun if it is the right way round. It has a small spring loaded ball in the center of the front face and a larger fixed ball in the center of the rear face. Fill the magazine with pellets ensuring they are facing the correct way and that they are securely seated and that the skirts are flush to the magazine body.
- Insert the magazine into the breech block making sure it is firmly seated.
- Lift the bolt handle, slide it forward and push it down into the front slot. The pistol is now loaded and ready to fire.
- **NOTE: there is no safety catch on the gun.**
- When the pistol has been fired, the magazine will automatically index to the next chamber when the rifle is re-cocked. Close the bolt and the gun is ready for the next shot.
- **DO NOT RECOCK THE PISTOL MORE THAN ONCE WITHOUT FIRING AS THIS WILL LOAD MORE PELLETS INTO THE BARREL, POTENTIALLY CAUSING A BLOCKED BARREL AND DAMAGE TO THE PISTOL.**
- When the sixth and final pellet has been fired, the magazine is ready to be refilled.
- Only use soft metal pellets.

TRIGGER ADJUSTMENT

Before adjusting the trigger always ensure that the pistol is not cocked or loaded. In the interests of safety, take care not to over-lighten the trigger weight.

The trigger is set at the factory, but some aspects can be adjusted to suit individual preferences.

1. First stage travel is adjusted at the front of the trigger housing using a 1.5mm Allen key, screw in to reduce travel.
2. Weight is adjusted at the rear of the trigger housing. Screw in to lighten pull-weight.

Caution should always be used when adjusting any trigger. Adjusting the trigger to a point where it becomes too sensitive could result in the gun firing accidentally. If in doubt consult a qualified Gunsmith.

CARE AND MAINTENANCE

When you have finished shooting always check that the pistol is unloaded and wipe the metal and woodwork with a lightly oiled cloth. Pay particular attention to metal finishes as these are not fully rustproof and can be damaged by damp, perspiration or blood. If the pistol is damp, make sure it is totally dry before putting it away.

Never use lubricants containing silicone as they can cause damage to metal surfaces. Application of oil and grease except as directed by the manufacturer can often do more harm than good.

The pistol has been designed and manufactured for optimum performance. Tampering with the components, or unauthorized modifications and alterations may make the pistol unsafe to use and will invalidate the warranty. All air guns require periodic maintenance and inspection, so even if everything seems to be in good working order, have it checked periodically by a competent gunsmith. Always have the power re-checked following any maintenance or repair work as any repairs or adjustments could affect the power. It is your legal responsibility to make sure the air pistol remains below the legal limit, which in the UK is 6 ft-lb.

2 YEAR WARRANTY

All new Brocock air guns manufactured after 1st May 2014 are guaranteed against faulty parts and labour for a period of 2 years from date of purchase (proof of purchase required). After this period it is recommended that the pistol be returned to Brocock or its authorized agent for a scheduled service and subsequently every 3 years. Servicing is charged at current rates. The warranty applies to the first purchaser of a new pistol and is not transferable to subsequent owners.

EXCLUDED FROM WARRANTY

Failure due to misuse or abuse, the fitting of non-standard parts, springs, seals, damage to stocks and fair wear and tear. Brocock Ltd or their approved agent must carry out all maintenance and warranty work. The pistol must be maintained and used as outlined in this Instruction Manual. Should a pistol be returned or collected under warranty, Brocock or its approved agent reserve the right to charge for postage & inspection costs.

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