



Puncher PCP Models

User Instruction Manual



Fill pressure: 200 bar *(approximately 2,900 psi)*

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! WARNING: NOT A TOY. ADULT SUPERVISION REQUIRED. MISUSE OR CARELESS USE MAY CAUSE SERIOUS INJURY OR DEATH. MAY BE DANGEROUS UP TO 1000 YARDS (915 METERS).

! WARNING: THIS IS A HIGH POWERED AIRGUN INTENDED FOR USE BY THOSE 18 YEARS OF AGE OR OLDER. READ ALL INSTRUCTIONS BEFORE USING. BUYER AND USER HAVE THE DUTY TO OBEY ALL LAWS ABOUT THE USE AND OWNERSHIP OF THIS AIRGUN.

! WARNING: DO NOT BRANDISH OR DISPLAY THIS AIRGUN IN PUBLIC; IT MAY CONFUSE PEOPLE AND MAY BE A CRIME. POLICE AND OTHERS MAY THINK IT IS A FIREARM. DO NOT CHANGE THE COLORATION OR MARKINGS TO MAKE IT LOOK MORE LIKE A FIREARM. THAT IS DANGEROUS AND MAY BE A CRIME.

! IMPORTANT YOU AND OTHERS WITH YOU SHOULD ALWAYS WEAR SAFETY GLASSES TO PROTECT YOUR EYES. READ ALL INSTRUCTIONS BEFORE USING. BUYER AND USER HAVE THE RESPONSIBILITY TO OBEY ALL LAWS ABOUT THE PURCHASE, USE AND OWNERSHIP OF THIS AIRGUN.

Rules of Safe Shooting

- **NEVER** point the airgun at any person.
- **NEVER** point the airgun at anything you do not intend to shoot.
- **ALWAYS** treat the airgun as if it was loaded and handle it with the same respect you would a firearm.
- **ALWAYS** aim in a **SAFE DIRECTION**. **ALWAYS** keep the muzzle pointed in a **SAFE DIRECTION**.
- **NEVER** put any part of your hand over the muzzle.
- **ALWAYS** keep the airgun **ON "SAFE"** until you are ready to shoot in a **SAFE DIRECTION**.
- Check behind and beyond your target to be certain you have a safe backstop and that no person or property can be endangered.
- Place the backstop in a location that will be safe should the backstop fail.
- Replace the backstop if it becomes worn.
- **ALWAYS** be sure of your target and what lies beyond it in case you miss.
- **NEVER** shoot at hard surfaces, water or anything else that may cause a ricochet.
- This airgun may only be used where your local laws permit or at shooting ranges allowed by the law, and only if the ammunition does not travel further than the shooting area. Keep in mind the maximum range of the ammunition. **ALWAYS** abide by laws and regulations that apply to airguns.
- **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 away from the trigger guard until ready to shoot.
- You and others with you should **ALWAYS** wear safety shooting glasses to protect your eyes.
- If your reading or prescription glasses are not certified safety glasses, make sure you wear shooting glasses over your regular glasses.
- The shooter and everyone in the vicinity should wear hearing protection when shooting and filling guns with high pressure air.
- **NEVER** load your gun until you're ready to shoot and it's safe to do so.
- **ALWAYS** use the correct caliber ammunition that is suitable for the airgun. Use **ONLY** ammunition designed for this airgun.
- **NEVER** reuse ammunition.
- **ALWAYS** store the airgun with the safety **ON "SAFE"**, unloaded, uncocked, separated from the ammunition, out of the reach of children, and in a secure location to prevent unauthorized people from accessing it.
- **DO NOT** attempt to disassemble or tamper with the airgun.
- **DO NOT** put the airgun away loaded. It is, however recommended that you store your airgun with at least 1,000 psi of high pressure air.
- **ALWAYS** store this airgun in a safe location.
- **ALWAYS** store ammunition separately from the gun.
- **NEVER** leave the airgun loaded if it is out of your reach.
- **ALWAYS** unload the airgun before giving it to someone else.
- **ALWAYS** read and follow the manufacturer's manual and instructions.
- **NEVER** let a person who has not completely read this manual use this product.

Safety

To activate the safety, push the safety catch lever rearward to the "S" position (fig. 1). When the safety is engaged, the trigger is locked and the rifle cannot be fired. To disengage the safety and fire the rifle, push the safety lever forward to the "F" position (fig. 2).



In addition to the safety catch, a loaded and cocked rifle can be made safe by decocking (uncocking). To decock the rifle, first pull the side lever back to the rear position and remove the magazine. While holding the side lever, squeeze the trigger and let the lever return forward under your control. The rifle is now decocked.

! CAUTION: WHEN DECOCKING THE RIFLE, A PELLET MAY STILL BE IN THE BREECH. BE SURE TO CLEAR THE RIFLE BEFORE DECOCKING IT.

When not in use, the rifle should be unloaded and uncocked. Remove the magazine and leave the bolt closed and uncocked when not in use.

To prevent unauthorized use, store the magazine and pellets separate from the rifle.

! WARNING: KEEP THE AIRGUN ON SAFE UNTIL YOU ARE READY TO SHOOT, THEN PUSH THE SAFETY OFF.

! WARNING: BE SURE THE AIRGUN IS ALWAYS POINTED IN A SAFE DIRECTION. NEVER POINT THE AIRGUN AT ANYONE EVEN IF IT IS UNLOADED. ALWAYS ASSUME AND HANDLE THE AIRGUN AS IF IT WERE LOADED AND READY TO FIRE.

Filling the Rifle

(see page 6 for filling the Jumbo and BigMax)

1) Attach the fill probe to the correct fill equipment. Rotate the fill port's protective cover to allow access (fig. 1). Insert the fill adapter into the fill port (fig. 2). Do not use any other type of adapter other than the one supplied with the rifle. Slowly fill the rifle to a MAXIMUM of 200 bar (approximately 2,900 psi) pressure (fig. 3). Filling the rifle too fast is unsafe and creates excess heat that may result in a low or inaccurate fill pressure. Do not overfill as this will damage the gun and result in low power. Such damage is not covered under warranty.

fig. 1



fig. 2



fig. 3



fig. 4



2) When charging is complete, bleed the excess air using the fill apparatus bleed screw and remove the fill adapter from the rifle. When finished, rotate the protective cover to prevent contamination of the fill port (fig. 4).

! WARNING: FILL YOUR PCP AIRGUN USING COMPRESSED AIR OR NITROGEN GAS ONLY. USE OF OTHER GASES, INCLUDING OXYGEN, CAN CAUSE A FIRE OR EXPLOSION THAT MAY RESULT IN PROPERTY DAMAGE, SERIOUS INJURY OR DEATH.

! WARNING: DO NOT FILL AIRGUN WITH OXYGEN OR ANY GAS OTHER THAN COMPRESSED AIR OR NITROGEN GAS! FILLING WITH ANYTHING OTHER THAN AIR IS DANGEROUS AND WILL VOID YOUR WARRANTY.

! WARNING: DO NOT EXCEED MAXIMUM FILL PRESSURE OF 200 bar/2,900 psi AT ROOM TEMPERATURE!

! WARNING: DISCONNECTING THE FILL HOSE FROM THE AIRGUN WITHOUT FIRST BLEEDING THE AIR MAY RESULT IN INJURY FROM HOSE WHIP DUE TO PRESSURE IN THE FILL HOSE.

! DANGER **DANGER OF EXPLOSION!**
Overfilled compressed air cylinder

Do NOT exceed maximum fill pressure of 200 bar/ 2900 psi at room temperature!



Filling the Rifle *(Jumbo and BigMax only)*

1) Attach the fill adapter to the correct fill equipment. You will find the fill connection on the underside of the rifle, next to the gauge (fig. 1). Do not use any other type of adapter other than the one supplied with the rifle. Press the fill adapter onto the fill connection (fig. 2.1) until the collar snaps forward and the adapter is snug (fig. 2.2). Slowly fill the rifle to a **MAXIMUM** of 200 bar (approximately 2,900 psi) pressure. Filling the rifle too fast is unsafe and creates excess heat that may result in a low or inaccurate fill pressure. Do not overfill as this will damage the gun and result in low power. Such damage is not covered under warranty.



2) When charging is complete, bleed the excess air using the fill apparatus bleed screw. Once the line is bled, pull back on the fill adapter collar and remove the fill adapter from the rifle (fig. 3).

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Loading the Rifle

To remove the magazine, pull the side lever back to its rear most position. The magazine can now be removed from the right side (same as side lever) of the rifle.

Rotate the clear cover of the magazine in the direction of the arrow (clockwise) (fig. 1).

Once rotated entirely, keep tension on the cover, holding it in the rotated position (fig. 2).

The first pellet is loaded head first, place a finger over the hole on the back side of the magazine while loading so the pellet does not fall through the magazine. Once the first pellet is loaded, you may release tension on the cover (fig. 3).

Then rotate the cover counter-clockwise, loading a pellet head first in each empty chamber (fig. 4).

Once all chambers are filled with pellets, bring the cover back to the start position (fig. 5).



! WARNING: DO NOT INHALE DUST FROM LEAD PROJECTILES OR PUT THEM IN YOUR 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).

! WARNING: USE THE CORRECT AMMUNITION SIZE FOR YOUR MODEL. NEVER REUSE AMMUNITION. THE USE OF ANY OTHER KIND OF AMMUNITION MAY CAUSE INJURY TO YOU OR DAMAGE TO YOUR AIRGUN.

Loading the Rifle

To load the magazine into the rifle, align the ridge on the back of the magazine with the recess in the breech on the right hand side of the action (fig. 1). Press the magazine into the breech from the right until it will not move further (fig. 2 & 3).

fig. 1



fig. 2



fig. 3



To load a pellet, push the side lever all the way forward as far as it will go.

The rifle is now cocked, loaded and ready to fire.

To fire the rifle, disengage the safety by pushing the safety catch lever forward to the F position. When safe to do so, take aim and squeeze the trigger to fire the rifle.

To load the next pellet and fire again, pull the side lever all the way rearward and then push fully forward, as above. This indexes the magazine and cocks the rifle. You can now fire the rifle again.

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! WARNING: USE THE CORRECT AMMUNITION SIZE FOR YOUR AIR RIFLE MODEL. NEVER REUSE AMMUNITION. THE USE OF ANY OTHER KIND OF AMMUNITION MAY CAUSE INJURY TO YOU OR DAMAGE TO YOUR AIRGUN.

! WARNING: BE SURE THE AIRGUN IS ALWAYS POINTED IN A SAFE DIRECTION. NEVER POINT THE AIRGUN AT ANYONE EVEN IF IT IS UNLOADED. ALWAYS ASSUME AND HANDLE THE AIRGUN AS IF IT WERE LOADED AND READY TO FIRE.

! WARNING: KEEP THE AIRGUN ON SAFE UNTIL YOU ARE READY TO SHOOT, THEN PUSH THE SAFETY OFF.

Installing the single shot tray (.177 and .22 cal. only)

To load the single shot tray into the rifle, you must first remove the magazine. Once the breech is clear, simply align the ridge in the single shot tray with the recess in the breech and push the tray in from the right side of the breech (fig. 1). Push the tray from right to left until it cannot be pushed further and the hole in the tray is aligned with the breech opening and bolt pathway (fig. 2).

NOTE: If you own a *Puncher Pro*, your rifle has a rear bolt. The magazine and single shot trays are loaded in the same manner as detailed above. Instead of pulling back on a side lever, you will lift up on the bolt and pull it straight back. To load a magazine or single shot tray into your *Puncher Pro*, follow the steps outlined above.



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! WARNING: USE THE CORRECT AMMUNITION SIZE FOR YOUR AIR RIFLE MODEL. NEVER REUSE AMMUNITION. THE USE OF ANY OTHER KIND OF AMMUNITION MAY CAUSE INJURY TO YOU OR DAMAGE TO YOUR AIRGUN.

Adjusting the Trigger

Make sure the rifle is unloaded by removing the magazine and ensure there are no pellets in the breech. Put the gun on SAFE.

First-stage adjustment (fig. 1)

The adjustment screw for first stage travel can be found just in front of the trigger blade. Clockwise turns will shorten the first stage travel. Counter Clockwise will increase it. Adjusting too far clockwise can cause the gun to stop cocking. Take care not to over adjust.



Second-stage and sear adjustment (fig. 2)

To reach this adjustment, the rifle action must be removed from the stock. This adjustment screw is situated in the sear bar. Turn the screw clockwise to decrease the amount of second-stage travel and sear engagement. Turn the screw counterclockwise to increase the amount of second-stage travel and sear engagement.



! CAUTION: THIS ADJUSTMENT AFFECTS SEAR ENGAGEMENT. IT MAY BE NECESSARY TO ALTER BOTH ADJUSTMENTS TO ACHIEVE THE DESIRED SETTING. ADJUSTMENT OF ONE SCREW MAY AFFECT OTHER SETTINGS. DO NOT OVER-ADJUST, AS THIS MAY CAUSE THE GUN TO FIRE PREMATURELY OR NOT OPERATE CORRECTLY AND MAKE THE RIFLE UNSAFE. ALWAYS CHECK YOUR SETTINGS TO ENSURE CORRECT AND SAFE OPERATION OF THE RIFLE. ALWAYS ENSURE THAT OPERATION OF THE SAFETY IS UNAFFECTED BY ANY ALTERATIONS YOU MAY MAKE TO THE TRIGGER MECHANISM.

For Puncher Breaker models, the second stage and sear engagement are adjusted the same way as detailed above. The first stage is only adjustable via a screw/nut system. To shorten the first stage, screw the nut in clockwise. To make the first stage longer, screw the nut out counterclockwise.

! WARNING: KEEP YOUR FINGER OFF THE TRIGGER WHILE COCKING THE AIR RIFLE.

Adjusting the Velocity

Locate the velocity adjustment knob on the right hand side of the rifle. You can adjust the velocity of your rifle simply by turning this screw. Turning clockwise will increase the velocity, counter-clockwise will decrease the velocity (fig. 1). This adjustment can be made at any time without risking damage to the rifle.



On the left hand side of the rifle is an indicator to help select your most common velocity settings.

- = Low (fig. 2)

+ = High (fig. 3)



The marks do not indicate a specific velocity as this will change depending on the pellet used.

Fore-arm Rail Installation

Your Kral PCP comes with a 2.5" weaver/picatinny rail section that can be installed on the fore-arm of the stock.

To install, locate the threaded brass insert on the underside of the stock fore-arm. Once located, take the rail section and line up the hole in the rail with the threaded hole in the brass insert. Then install the allen head screw into the hole until the rail is snug. You now have the ability to mount a variety of accessories to your Kral PCP.



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. Please call Air Venturi so we can address any issues or have you return the gun for repair.

Air Venturi Service Line: 216-220-1180

Warranty

One-Year Limited Warranty

This product is warranted to the retail consumer for one year from date of retail purchase against defects in material and workmanship. 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 defective items under warranty.

What is covered:

Replacement parts and labor. Transportation charges to consumer for repaired product.

What is NOT covered:

Transportation charges to Air Venturi for defective products.

Any damage or faults caused by owner misuse, action or inaction.

Damages caused by abuse or failure to perform normal maintenance.

Any other expense.

Parts subject to normal wear and tear.

Consequential damages, incidental damages or incidental expenses including damage to property.

This warranty is in addition to your statutory rights. Retain your sales receipt as proof of purchase.

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.

Warranty claims:

Warranty claims for U.S. and Canadian Customers:

Call Air Venturi at **216-220-1180** 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. Illustrations and photographs are for information purposes only and may not show the exact model purchased.

The warranty shall be invalid if the PCP Airgun:

- Has been incorrectly disassembled, reassembled or maintained.
- Has been fitted with non-Air Venturi parts.
- Has been abused, misused or improperly stored.
- Original purchase receipt cannot be presented.

Air venturi

The Power of Air

AIR VENTURI

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