

HUMA-AIR.COM

Market Leader In Accuracy

Welcome to Huma-Air. We design and manufacture brand- and model specific precision regulators for PCP air rifles.

By using only the highest quality materials such as aircraft grade aluminum, aluminum-bronze, chrome-moly steel and precision belleville springs, our ultra-compact regulators are high performing with less than 1% fluctuation.

Regulator installation guide Artemis P15 and Diana Skyhawk for

The standard Tuning regulator and Power tune regulator + XL plenum



For adjustment tips, frequently asked questions and a complete list of installation manuals and instructions on how to adjust your Huma-Air regulator

<https://www.huma-air.com/Fitting-instructions>



Or go there directly by scanning the QR code



Before you you start, realize this;

- Working on a high pressure rifle could potentially be harmful or lethal to you or bystanders if you do not know what you are doing.
- The pictures of the rifleparts in this manual are universal and mend as an example to explain the working principle. They might not be equal to the parts in your rifle.
- Do not attempt to install this regulator yourself if you do not have a clear understanding of how these pcp rifles and regulators work.
- Do not attempt to install this regulator if you are not skilled to work on an airrifle; contact your local gunsmith to do the fitting.
- Installation and operation is done completely at your own risk.
- Installing this regulator might void your rifle's factory warranty.
- Your rifle may never be filled higher in pressure as stated in your rifle's manual.
- Do not attempt to fit this regulator in another rifle as mentioned in our order conformation.
- These regulators are not suitable to use as a CO2 to HPA conversion, this could potentially be harmful or lethal to you or bystanders.
- We cannot be held liable for any accidents in relation to this regulator and its installation.

Before you start, make sure that the rifle is unloaded, remove the magazine and make absolutely sure ALL the air is drained from the pressure tube. If there is a pressure gauge, it will give you just an indication. Dry fire the rifle or follow the manufactures instructions and double check to make sure all the air is out of the rifle



If the regulator is fitted and there is no output pressure after filling the pressure tube, something might be wrong causing the airflow to block totally.

Please beware even though there is no output pressure, the pressure tube is fully charged with high pressure air!!

If you are not able to relieve the pressure of the pressure tube according to the manufacture instructions or by dry firing the rifle then:

Contact a professional gunsmith to retrieve a solution!

- **DO NOT try to unscrew or to open the pressure tube in any way.**
- **DO NOT try to pierce/drill or to use force to open the pressure tube or unscrew parts in an attempt to relieve the blocked pressure.**
- **These actions can cause serious injury or death to you or bystanders**

Please read our [“General adjustment tips”](#) and [“How to adjust the regulator pressure properly”](#) It will help you getting the best performance in the tuning process.

1. Make sure your pressure tube is totally empty.
2. Remove the stock from the action



3. Remove the complete triggergroup from the bottom side of the action



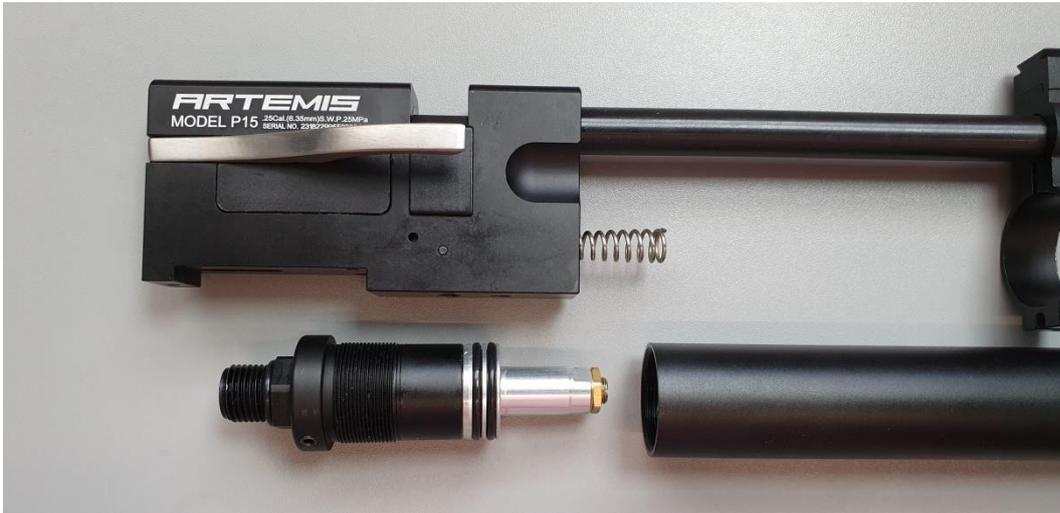
4. Loosen the two side bolts of the barrel- tube clamps



5. Now mark the upper side of the pressure tube on the side of the barrel. And then unscrew the pressure tube from the action.



6. Unscrew the pressure tube endcap on the side of the action.



7. You can now unscrew the factory pressure regulator.



8. Now there are 2 options. When you have bought a Huma-Air tuning regulator as replacement for the Chinese factory reg or you have the Power Tune regulator with a treaded XL plenum (2021 model), you can now replace it the same way as the factory regulator was screwed in. Use some silicone grease to lube the inner wall of the pressure tube and o-rings

Then continue to step 11.



Or **option 2** when you have bought a Huma-Air Power Tune Regulator with XL plenum without treads, then follow the steps below.



9. Place the large o-ring what is included with the regulator inside the endcap of the rifle



10. Now you can push the new regulator into the pressure tube. The scale label needs to be pointed towards the fill side of the pressure tube and the biggest diameter of the regulator will stand on the pressure tube's endcap. The small hole on the side of the regulator body needs to point upwards to the barrel side. (that is why you have marked the upper side of the tube)



11. Now you can screw the endcap into the pressure tube again. Before you pressurize the tube again, please unscrew the pressure tube just about a $\frac{1}{4}$ to a half turn open, so there is a tiny gap (max 0,5-1 mm) between the pressure tube and the pressure tube endcap. This allows the regulator to breathe to the atmosphere



12. Now you assemble the rifle back again and carefully fill your rifle. Only fill for about a few bars (30-40) and check if the airflow runs free when you do a blank test shot. When everything is ok, you can now fill your rifle completely and start testing and adjusting the get the best performance.

When you are testing/adjusting your rifle using a chronograph, please remember to take sufficient time between the shots for the regulator to recharge the regulated chamber volume.