# 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.**

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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  Air Arms EV-2 / FTP-900 / Pro-Target


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.**

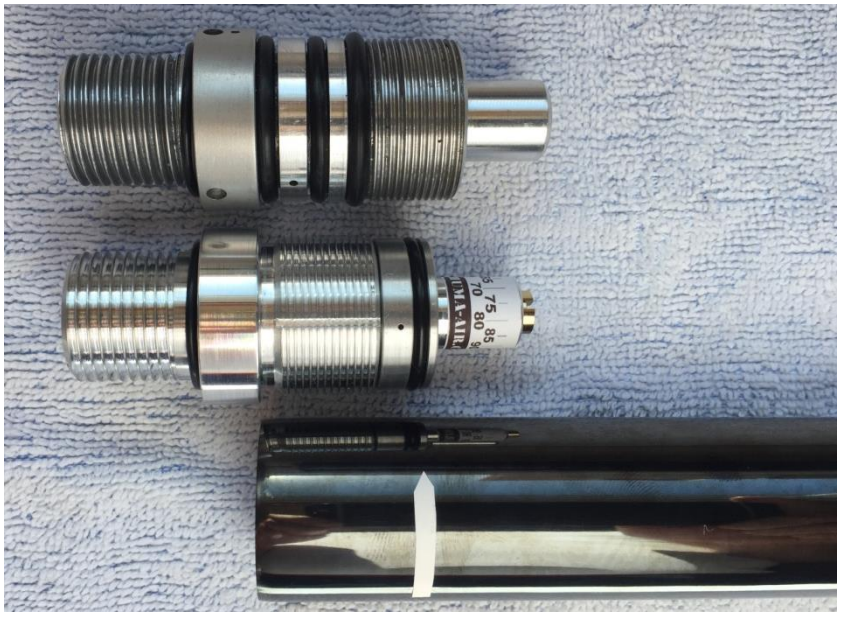
**Please beware even though there is no output pressure, the pressure tube is fully charged with high pressure air!!**
**If you are not able to relieve the pressure of the pressure tube according to the manufacture instructions or by dry firing the rifle then:**

**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**

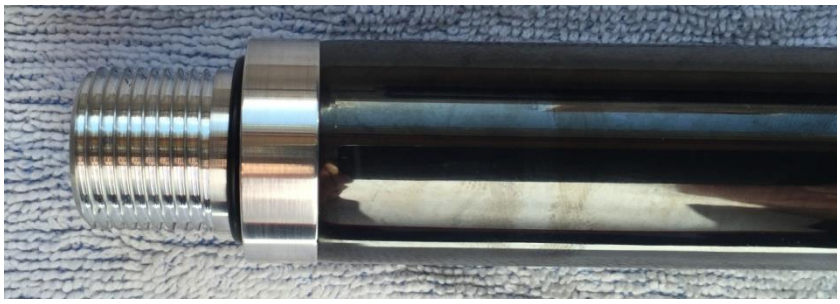

Unscrew the pressure tube from the action and after this, unscrew the original regulator from the pressure tube. It can be tight so a piece of rubber or leather belt can help you unscrew it without causing damage. After this, remove the pressure gauge assembly. In the action/regulatorbody there is the original valve return spring. Don't forget to place it back again!

The position of front O-ring of the new Huma regulator is a few mm further inside the pressure tube compared to the original regulator.(see mark on the tube) Please check the surface of the inside of the tube were the o-ring will be seated, if it is smooth and without scratches. If not, please polish the surface of the tube until it is smooth. When finished clean the tube well and put a bit silicone grease inside the first 30-40 mm of the pressure tube.



In the new regulator body you will find a tiny 1 mm hole. (see picture above) When you screw the pressure tube with the new regulator into action of the rifle, make sure this tiny hole points upwards to the breech. (You can temporarily mark the position of the hole on the outside of the regulator to check)
If it does not points into the direction of the breech you have to unscrew the pressure tube and regulator again and adjust the position of the hole by turning the front part (with pressure label) of the regulator

After you have marked the position of the hole, you can now screw the regulator hand-thight into the pressure tube. Please note you will only need the 2 o-rings pre fitted on the regulator and no others.



Now you can screw your pressure tube again to the action of the rifle.
Check the marked position of the hole, and if it is ok you can pressurize the rifle.

Our advice:

You might re-adjust the hammer spring tension to do the fine tuning to your rifle and adjust it optimal and check if it is within legal limits.
We have had good feedback when using pressure settings of 85-90 bar average.
You can adjust the pelletspeed with the hammerspring tension a bit above 12 ft/lbs and then bring the power below the 12 ft/lbs with the transfer port adjustment screw

With 85 bar you will have a lot of shots, but the rifle is more sensitive to adjust.
With 90 bar the rifle is more simple to adjust but you might have a bit lower shotcount.

You can find instructions to set the regulator pressure on our website.