

# 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 Diana Bandit and Artemis PP800**

**HUMA-AIR**



**Diana®**

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**

**We currently have no detailed pictures of the fitting of the regulator in the Diana Bandit. This guideline is illustrated with the pictures currently available and a schematic representation of the total assembly.**

**We assume you will be able to strip down and reassemble your pistol yourself.**

- Make sure your pressure tube is totally empty
- Remove the action from the stock.
- Take the pistols valve house out of the pressure tube and remove both the outer o-rings of the valve house. This allows the regulator to breath. (see schedule below)
- Check the pressure tube if it is free of dirt and scratches.
- Before you place the valve house back into it's original position make sure the valve house facing, were the plenum will be placed on, is smooth and free of scratches.

**When you have fitted and tightened the valve house again you can start placing the regulator and the plenum.**

- The plenum has 2 o-rings on both sides of the plenum. Make sure they are placed well. A bit of silicone grease can help to keep them in position.
- Slide the plenum into the pressure tube until it will stand on the valve house.
- Now apply some silicone grease inside the pressure tube, so the regulator o-ring will slide into the pressure tube easy.

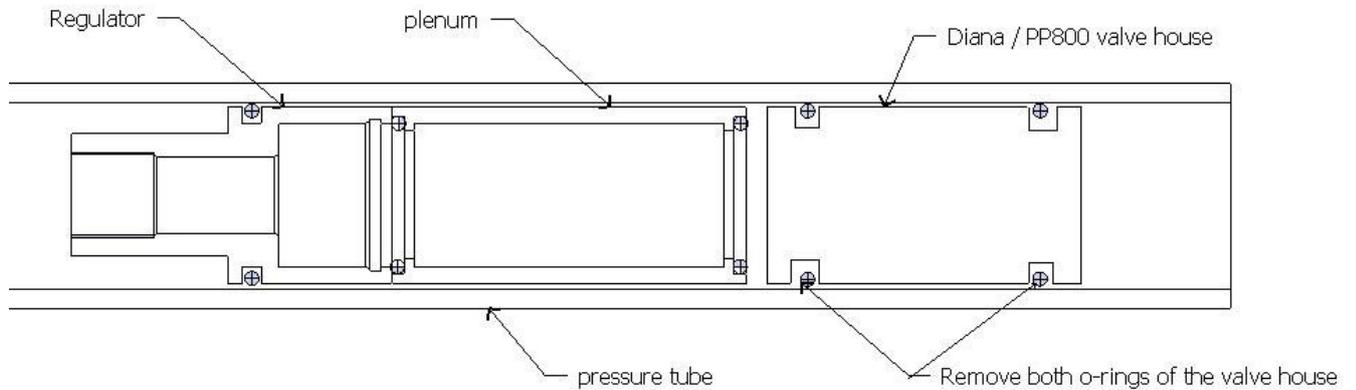
**Please note:**

The scale label of the regulator has to point towards the barrel end.

The regulator house has an tiny 1 mm. hole in the aluminum body. Please assemble the regulator with this hole facing upwards to the barrel/breech.

- Now you can push the regulator into the pressure tube until it will stand on the plenum.

Please find below the schedule of the complete assembly:



When the regulator is set in place you can re-assemble your pistol again and slowly pressurize the pistol.

**Now you can start tuning your pistol to get the best results.**

**Some useful guidelines can be found here:**

To set the regulator pressure you can follow this [Manual](#)

For tips how to set up your regulated rifle you can follow this [Guideline](#)

Sometimes it can be useful to give the valve return spring some more preload by adding a metal washer to behind the valve return spring so the valve will close quicker. If we have received more user information we will share it in this manual.

