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 pressure adjustment

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

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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**

How to adjust the regulator pressure

Click here for a movie

Most of our Huma regulators are equipped with a pressure scale on the regulator body and a very fine set mark on the side of the bronze setscrew in between the two slots
This will give you the possibility to re-adjust or fine tune your regulator exactly to your wishes.

The BSA R10 models have a small dot on top of the setscrew. This dot correspondences with the position of the pressure scale.

How does it work:

Decrease the pressure : just turn the setscrew clockwise to the pressure you desire. Never turn the setscrew past the lowest or highest mark on the scale!

Increase the pressure: this is slightly different; turn the setscrew anti-clockwise until you are about 10 bar ABOVE the pressure you want, then turn the setscrew back (clockwise) to the pressure you want. (This is necessary to eliminate the movement in the treads)
Never turn the setscrew mark past the lowest or highest pressure mark on the scale.

Example:

The reg is set on 130 bar and you would like to increase it to say 140 bar. Then first turn the setscrew anticlockwise to 150 bar, then turn clockwise back to the 140 bar you were aiming for.

Inside the bronze setscrew is a m3 allen screw. It works as a flow restrictor and prevents dirt to come into the regulator.
It’s turned in till the end and then screw 2 turns backwards.