

# 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.

**Power Tune Regulator installation guide FX Dreamline or optional Power Plenum XL**

**HUMA-AIR**



**FX**airguns

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**

Before you start, we would like to advice you to read our manual how to [read and adjust the regulator pressure](#) and our [General Adjustment Tips](#) to set up your rifle perfect.

Remove the action from the stock.

Drain the pressure bottle/tube so the rifle is totally empty by, for example, dry firing

After this unscrew the pressure tube from the action.



After the pressure tube is unscrewed you can see the factory regulator inside the tube.

You can take it out with a pair of pliers or unscrew the fillcap of the other side of the pressure tube and push the regulator out with a rod or piece of electrical tubing



Now take the Huma-Air power tune regulator set and check if the regulator is fully clean and free of dirt. If not, clean it and apply some silicone grease on the walls of the pressure tube. Then slide the new regulator into the pressure tube, facing the label side to the barrel end.

Please note; the regulator has a tiny 1 mm hole in the body. This hole needs to point to the opposite direction of the hole what is inside the pressure tube (facing the barrel)

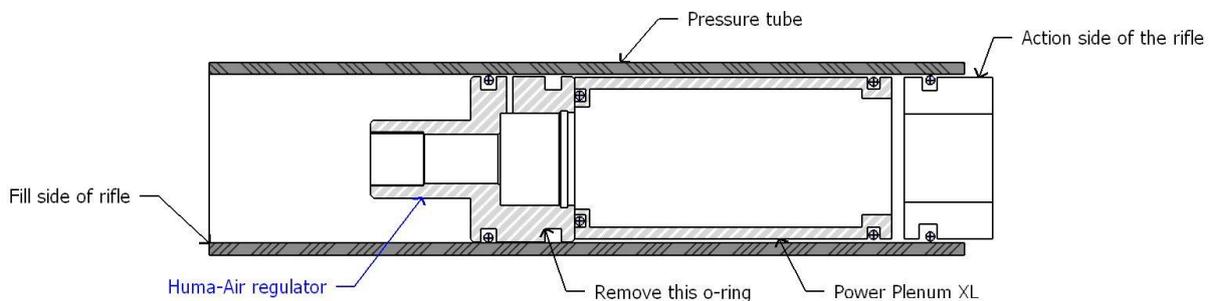


Now slide in the Huma-Air aluminum spacer, this will hold the reg in the correct position in the tube. This additional spacer of plenum will add about 14 CC of regulated air to your rifle!

If you have the Power Plenum XL set, then please check the schedule below:

Remove the lowest o-ring off the regulator.

Slide in the power plenum with the o-ring on the facing towards the regulator body



After this screw the pressure tube on the action and you can assemble the rifle back again.

If you like you can stick the "Huma-Air Regulated" sticker on the action.

**Optional Huma-Air pressure gauge 23 mm or 28 mm Wika gauge with or without black tactical cover**

If you also bought a Huma-Air or 28 mm Wika pressure gauge to read and check the regulator pressure you can now screw it into the action before re-filling the rifle again.

Unscrew the factory pressure gauge and replace it for the Huma-Air pressure gauge.

Do not overtighten the gauge! When it does not line up nice to look at, then unscrew the gauge and remove the factory X-ring what is under need it and replace it by one of the the O-rings supplied by the new pressure gauge. There are 2 sizes available; each of them will give another position of the gauge when screwed in. Use only 1 o-ring and tighten the gauge by hand or use a spanner and use very low force.

When you have a Wika gauge a black tactical cover can be applied by pushing it over the gauge when it is thightened.

After this you can re-fill your rifle slowly and start adjusting it to the best performance.

