HUMA-AIR

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 FX Boss/Royale/Bobcat/Verminator

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

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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**

NOTE: If your rifle is not fitted with a regulator yet. Please follow the steps in the factory manual how to prepare your action for a regulator. Please click here to follow the link

Remove the action from the stock.
Drain the pressure bottle/tube so the rifle is totally empty.
You can check it by loosening the pressure gauge on the action, when un-presurized you should be able to unscrew it by hand.
After this unscrew the pressure bottle/tube from the action

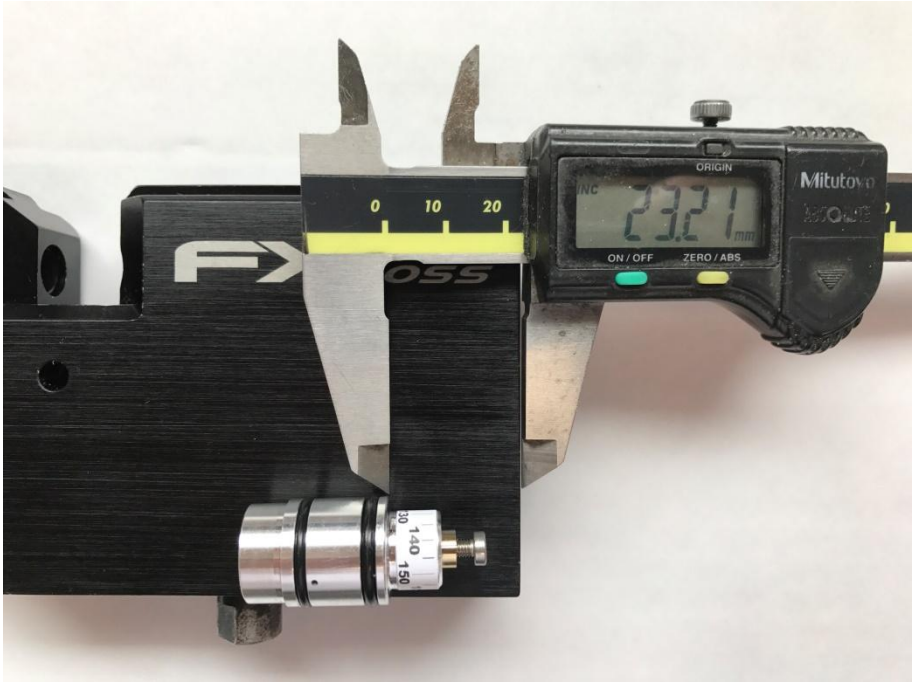
Pull the factory reg out of the chamber using some pliers

(foto by Ernest Rowe)

Check if the regulator is fully clean and free of dirt. Clean it and apply some silicone grease on the walls of the chamber. Then slide the new regulator into the chamber.
Please not the regulator has a tiny 1 mm hole in the body. This hole needs to point towards the barrel.

There is a M3 bolt inside the bag. You can use this to pull the reg out of the action.
Please unscrew the M3 bolt after you have placed the regulator into the action. The screw is only to pull the reg out, it is not needed for proper functioning of the regulator.
PLEASE BEWARE NOT TO TURN THE SETSCREW WHEN YOU SCREW OR UNSCREW THE BOLT INTO THE SETSCREW.

Check if the regulator is fully inserted. It should be inside the chamber for about 23 mm. (FX Boss)



Please check if the adapter does not touches the setscrew when it is screwed in again by measuring the length. (If it does, the reg needs to be pushed into the rifle some more OR open up the hole in the bottle adapter for about 2-3 mm in length and 8 mm diameter, but this is very unlikely)

After this screw the bottle/tube adapter back and you can assemble the rifle back again.
If you like you can stick the “Huma-Regulated” sticker on the action.