

# 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, aluminumbronze, chrome-moly steel and precision belleville springs, our ultra-compact regulators are high performing.

### Installation guide HuMa-Air Regulator for Walther Reign M2



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/bottle 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 <u>read and adjust the</u> <u>regulator pressure</u> and our <u>General Adjustment Tips</u> to set up your rifle perfect.

#### Before you start, read the full manual. This manual is a guideline and can be different in detail compared to your rifle.

#### Be sure the gun is unloaded and completely empty before starting to work on it!

To gain access to the rifle action we will first separate the two halves of the stock. To do this you'll need a T10 Torx driver and a 2,5 and 3mm hex Wrench. Unarex shows the procedure for this as well on their instruction to adjust the trigger.

https://www.youtube.com/watch?app=desktop&v=Xb9NaObO4hA

First separate the picatinny rail from the gun by unscrewing the two M4 screws from the top.using the 3mm hex key.



Now unscrew all the Torx screws and the M3 hex screws from the stock.and Unscrew the cocking handle



The complete action can now be taken out of the stock..

Unscrew the bottle and the brass adapter from the action.



After that you can install the regulator and it's adapter



Tigthen the regulator onto the action using a 15mm spanner. It needs to be tightened enough to have the oring seal completely but not overtightened.

After that you wil need to mount the bottle adapter to the regulator using a 19mm wrench. Again tighten enough for full oring seating but not overtightened.



Now you can screw on the bottle to the regulator.



The whole assembly can now be placed back in the stock. The space that was left in the stock in front of the bottle will now be occupied by the regulator.



The fillport and the gauge will function as the did prior to installation. Slowly fill the gun checking for leaks. When everything seals up tightly, the gun can be assembled in the reverse order depicted above.

Now unfortunately the gun has no regulator gauge installed so you will need to go from the pressure indicated on the package you received the regulator in. As standard they will be delivered around 140bar test pressure. In the next chapter you'll find adjustment instructions.

#### Pressure setting of your new regulator

The regulator is delivered in a range of approximately 70 to 200 bar output pressure.

The set pressure of the regulator is marked on the label of the bag. Setting the pressure can be done by adjusting the bronze colored set screw that is visible after removing the black bottle adapter.



A 5 minutes turn counter clockwise will give a pressure increase of about 4-5 bar. Or ca 25-30 bar for  $\frac{1}{2}$  a turn

The pressure range of this regulator is between 70 and 200 bar. Use a small screwdriver that fits the internal (2<sup>nd</sup> screwdriver slot of the regulator adjustment screw)