HUMA-AIR

Market Leader In Accuracy

Welcome to Huma-Air. We design and manufacture brand- and model specific precision regulators for PCP air rifles..

Pressure gauge installation guideline

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

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Pressure gauge installation guideline.

Unscrew the factory pressure gauge.

Your factory pressure gauges can be sealed on several ways, two of them are mentioned below:

- By means on a bonded seal what is on the pressure gauge treaded part. We strongly advice not to use this method. If too much force is applied when tightening, a very dangerous situation can arise when the pressure gauge becomes pressurized.
  Sekhmet gauges may never been mounted with a bonded seal or dowty seal under the gauge.
  We advice you to mount your new gauge as described hereunder.
- Use an oring under the threads of pressure gauge. Some rifles already have an o-ring or a plastic washer under the the threads of the gauge. (picture above)

If there is a plastic washer (FX impact MKI) or o-ring (FX Dreamline, Edgun) under the factory pressure gauge we would advise to remove it and replace it for one of the supplied o-rings what come with the new pressure gauge. (the old seals are often hardened or worn)

The gauges come with 2 sizes of orings. There is a difference in thickness what will give you some extra flexibility in the alignment of the gauge.

Start with placing the thinnest 2.5 mm thick oring and screw the Huma-Air pressure gauge hand tight in the hole. About 6 full turns would be advised as minimum length to screw it in.

Do not overtighten the gauge! Handthight would be just fine. When it does not line up nice to look at, then unscrew the gauge and remove the thin o-ring and replace it for the thicker model what is supplied with the new pressure gauge. This thicker model 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 gauge cover it can be applied by pushing it over the gauge when it is tightened. The small hole in the cover should be right in front of the bleed hole of the pressure gauge.

After this you can re-fill your rifle slowly and check the gauge for proper functioning

IF the gauge shows no pressure, the gauge can be tightened to fast causing the o-ring to block the measuring hole. In this case start again with de-pressurizing the rifle and follow the steps in this guideline again