

## Inline regulator



### **IMPORTANT INFORMATION BEFORE USE**

- Always secure your scuba tank firmly or lay it horizontally on the ground, before installing the regulator. The regulator will add weight what may cause the bottle to fall over
- Make sure the pressure gauge and de-pressurize is tightened before every use
- Always test the outgoing pressure before every use.
- Never pressurize the regulator without a proper fill-set screwed into the regulator.
- Never pressurize the regulator with the setscrew turned in totally. The regulator will block and it won't be possible to unscrew it from the bottle.
- 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 rifle parts in this manual are universal and used as an example to explain the working principle. They might not be equal to the parts in your rifle.
- Do not use this regulator yourself if you do not have a clear understanding of how these pcp rifles and regulators work.
- Your rifle may never be filled higher in pressure as stated in your rifle's manual.
- These regulators are not suitable to use in combination with CO2 guns or rifles. this could potentially be harmful or lethal to you or bystanders.
- We cannot be held liable for any accidents in relation to this regulator its use and installation.

# HUMA-AIR Inline Regulator

This regulator with integrated fill set can be used on a 200/300 bar scuba bottle  
 The regulator reduces the outgoing bottle pressure to the most optimal working pressure for your air-rifle.  
 Your air rifle has a sweet spot, that means it shoots with a very constant pellet speed within a certain pressure range.  
 Please set the regulator in the upper part of this pressure range for the best results.  
 The regulator is equipped with a pressure indicator and a de-pressurize/bleed screw, so it can be used as a solitary fill set.  
 You can also screw your existing fill set into the regulator.  
 If the position of the pressure gauge is not right when the reg is screwed into the bottle, you can swap the  
 the gauge and bleed screw. The gauge and bleed screw are interchangeable with each other. Remember to move the  
 the pressure gauge O ring if swapping them over.

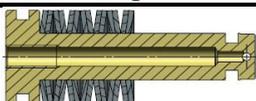
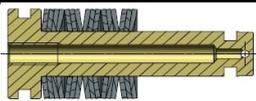
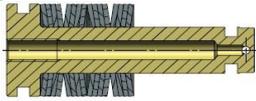
**The gauge gives a pressure indication. Always refer to the pressure gauge on your rifle or external fill set.**



In the reg there is a big bronze set screw  
 (If you use an external fill set, it can be screwed into the regulator)  
 With this screw you can make stepless pressure adjustments.  
 Screw the reg directly into the valve on the scuba bottle,  
 (If you use an external fill set, it can be screwed into the regulator)  
 Screw the filling hose into the regulator and close the end of the hose with an end cap,  
 Slowly open the valve of the scuba and check the outgoing reg-pressure,  
 By quickly opening and closing the bleed screw you can check the regulator pressure.  
 If need be, you can adjust the working pressure by adjusting the big reg set screw.  
 Close the bottle's valve and de-pressurize the reg before you remove it from the bottle.  
 When you have adjusted the reg to the desired outgoing pressure you can fill your  
 air rifle or you can shoot with the bottle attached to the rifle.

The regulator comes pre-set in the medium setting, with max outgoing pressure of 200 bar  
 This setting is the most common setting for average use. If needed you can re-adjust the spring setting to "low or high"

You can change the spring stack in the reg by removing the C-clip in the back of the reg,  
 Then use an M3 bolt to pull out the reg piston, which holds the spring stack,  
 Remove the upper o-ring from the piston before changing the spring stack,  
 Do not forget the white plastic disk on top of the reg piston when re-assembling the reg.

Base setting*	Maximum outgoing pressure	Spring stacking	Pressure setting (clockwise)
 Low	Max. 125 bar	7 x 2 pc.  (( ))(( ))(( ))(( ))	1/4 turn = 12,5 bar decrease
 Med.	Max 200 bar	1x4 + 4x3 pc.  ((( )))((( )))((( )))	1/4 turn = 25 bar decrease
 High	Max 250 bar	4 x 4 pc  ))))((( )))((( )))	1/4 turn = 28 bar decrease

You will get the best regulating behaviour if your preferred pressure is close to, but below maximum working pressure  
 of the chosen base setting. (if you shoot at 100 bar, chose the low setting. If 180 is desired then chose medium setting)

