

## Pressure tank & Regulator

### 3000psi tank adaption interface:

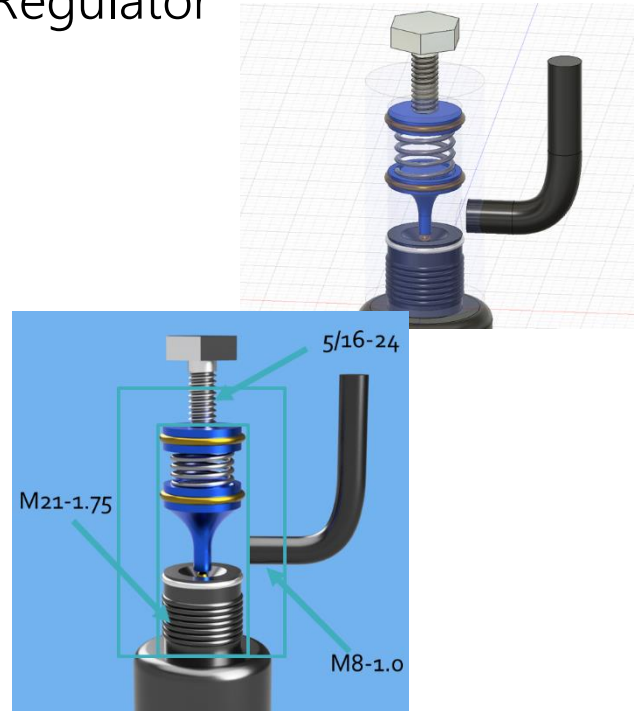
I changed the design from metric to imperial since most tools and overall knowledge in the shop does better with imperial.

The decided top "bolt" will be a 5/16-24 bolt. This can be changed to a bigger one if needed.

The thicknesses of the blue plates have changed from 0.10" to 0.2" to be able to host 2 different O rings that will help it have a better seal. Engravements have been applied where said O rings will sit. Grooves have also been added under and over the parts where the spring will be (to keep it from moving).

The bottom blue plate has been elongated to help with the clearance of the small hose on the side.

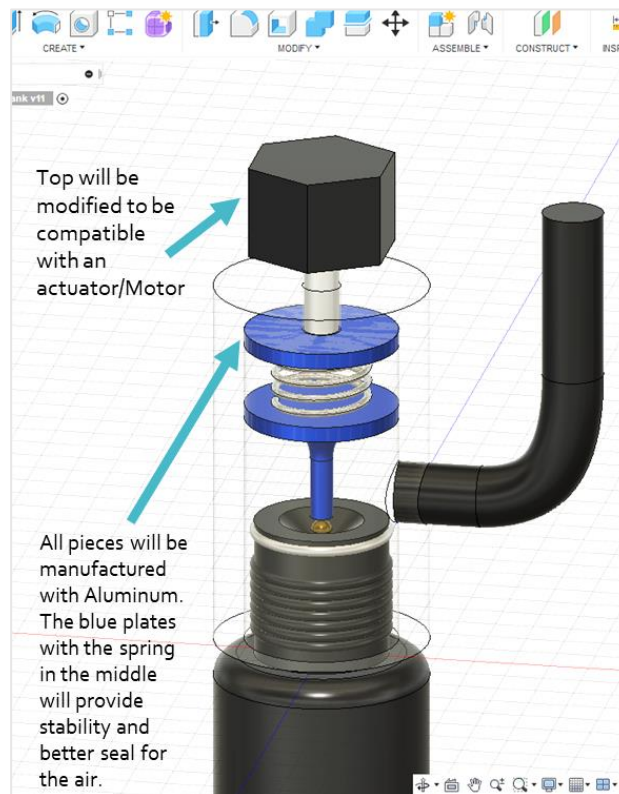
Through time, it is determined that the threading for the tank as well as the hose provided by the HK repair kit only have METRIC measurements. The thread for the tank is M21-1.75 and for the hose it is M8-1.0.



### Older 3000psi tank adaption interface:

The goal is to create a device that will be able to withstand the pressure from a 3000psi tank while giving us the flexibility to be able to manipulate the airflow of said tank.

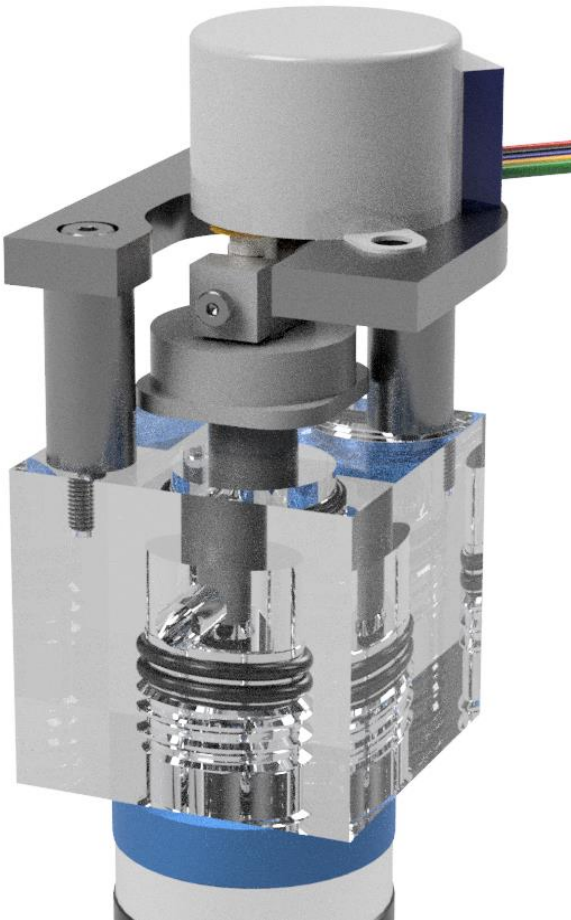
This interface is displayed below.



PLA Constant Pressure Regulator:



CNC Constant Pressure Regulator:



## 3000 PSI Paintball Pressure Tank:

