



Your Redline Airsoft Poppet Shim Kit will allow you to tune the airflow through your Fusion Engine Poppet valve. The larger the shim, the greater the flow reduction through the valve.

Our testing shows that the best range, accuracy, air efficiency and reliable function is achieved by running your reg pressure in the 70 to 90 PSI range. We recommend that before you install your shim or shims you tune your gun to shoot at your desired velocity and pressure using nozzles and regulator adjustments.

Most guns will use a shim size from .020 to .030. The .025 shim is a good middle ground for someone that wants to get the most benefit without going through the whole tuning process.

If you want to get the best air efficiency possible you need to experiment with shim sizes. You will need to chronograph your gun and then install a shim. (The .020 is a good place to start.) and then re-chronograph your gun. You will want to keep increasing the shim size until you see your velocity start to drop off. Use the biggest shim you can without any significant velocity drop.

Shim sizes:

- .015 Pink
- .020 Yellow
- .025 White
- .030 Coral
- .035 Pink + Yellow

It is not recommended to exceed .035 in shim thickness since the Poppet valve only opens about .040

