

ComGraf Pump Action Rifle Test Report  
May 21, 2019  
As reported by Frank H., Philadelphia, PA

There were four people that examined and fired your [ComGraf PAR] design. I took notes on the reactions and comments.

Initial reactions were as comical as they were serious. The fact that an AR-15 was converted into a pump rifle amazed everyone.

I then explained about hunting laws in Pennsylvania. State game law does not allow semi-automatic rifles to be used to hunt any big game.

There are possibly over a million AR-15s in Pennsylvania alone. I explained who you were and your company location. I also explained that the rifles that you make the pump for, [can be used for] various calibers.

The first person to comment on the PAR said that the design was very neat and clean. He liked the fact when you cycled the pump, it utilized the buffer as an assist to chamber a round. Another person said the buffer spring should be stronger, as yet another said it should be softer. One fella was an engineer and showed keen interest in your design. I asked him to be critical of it when I allowed him to shoot it. He found nothing negative, except the barrel was silver. I said that was my choice.

I allowed each one to fire live ammo, 55gr FMJBT brass. There were no mechanical misfeeds or jams as long as the shooter knew that the pump handle had to be cycled fully to the rear and fully forward. If this was not done consciously, a double feed initiated by the shooter would occur. Clearing [the malfunction] was initiated by dropping the magazine and allowing the rounds to fall out, thus clearing the chamber etc. Everyone agreed that some initial practice would erase any misconceptions as to the function, safety and shooting of the pump AR. I used two ten round and two 5 round Magpul Magazines: Flawless!

The significant statements were:

- The rifle hardly kicks when firing;
- Following up with a second shot was easy because the right hand stayed on the trigger grip while the cheek stayed on the stock and the left hand cycled the pump.

One fella had several digits missing on his left hand. I explained that it was very possible to mount a vertical grip to facilitate his disability. That would be a big seller with disabled vets etc. He tried the pump and liked it.

A question about a sling point on this gun was easily answered. I explained that this pump was a one-off and different outside diameter barrels were accommodated by your design. My pump gun needed a custom ring to sling arms for walking through the forest.

I also noted the fact that ARs normally get dirty when fired. Because the gas tube is not a part of its function on these PARs, the bolt carrier group doesn't get carboned up.

Disassembly for cleaning was another question. I said that the pump was easily taken apart with common tools.

I said that you have a standard line of kits for the AR-15 and the AR-10. This really peaked their attention. I also told them that if they wanted the kit built onto your rifle, you were open to negotiating a fair price to do so.

During my testing of different rounds, I noted the following:

- IMI 5.56 brass, 77 Gr., Match Grade HPBT; feeds well, no jams, ejects well, 50 rounds fired.

- Hornady 5.56, 75 Gr. steel casing, Match Grade HPBT; feeds well, no jams, ejects well, 50 rounds fired.
- Geco 5.56 x 45 NATO, 55Gr, Brass FMJ; feeds satisfactorily, but with more force needed to close chamber; Swiss; don't recommend this for pump.
- PPU 5.56 x 45 M855 penetrator, 62Gr. brass, feeds well, no jams, ejects well, 50 rounds fired.
- LC 5.56 X45 M885 penetrator, 62Gr brass, feeds well, no jams, ejects well, 50 rounds fired.

All in all, this rifle is a pleasure to shoot. Although it was a 52° day with wind 8 - 10 mph right to left, making the temperature feel about 45°, it was good. I was able to group well at the 100, 200 and 300-yard targets.