

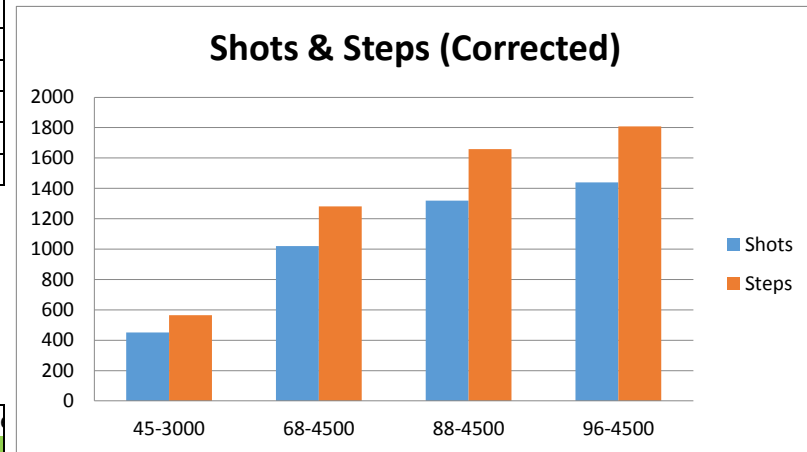
P15001: Active Ankle Foot Orthotic - Updated Nov 18, 2014

Source: <http://www.zdspb.com/tech/misc/resources/shotspertank.html>

CO2 Carbon Dioxide Tanks:	
Size	Shots
12-g	35
3.5-oz	150
7-oz	350
9-oz	425
12-oz	600
14-oz	700
16-oz	800
20-oz	1100
24-oz	1225
26-oz	1300
30-oz	1425
32-oz	1500
36-oz	1625

HPA Compressed Air Tanks:			
Size	Shots (x-psi)		
	3000	4500	5000
45-cu	450	675	742
68-cu	680	1020	1122
88-cu	880	1320	1452
96-cu	960	1440	1584
110-cu	1100	1650	1815
114-cu	1140	1710	1881
128-cu	1280	1920	2112

Tank	Shots	Steps	% diff
45-3000	450	565	20%
68-4500	1020	1281	20%
88-4500	1320	1658	20%
96-4500	1440	1809	20%



(Outer - Inner) Diameter  
0.09375

Tank #	Tank Volume (cu-in)	Tank Pressure (Psi)	Pressure (psi)	Initial Length (in)	Deflection (in)	O. dia. (in)	Vt @ Press (in^3)	V <sub>Muscle</sub> (in^3)	Vt/V <sub>Muscle</sub> (steps)	Corrected (steps)
1	45	3000	55	6	1.0	0.535	2455	3.04	807	565
2	68	4500	55	6	1.0	0.535	5564	3.04	1830	1281
3	88	4500	55	6	1.0	0.535	7200	3.04	2368	1658
4	96	4500	55	6	1.0	0.535	7855	3.04	2584	1809
<b>Target Steps</b>		-								
<i>Assume 4000 steps per day*.75 for stroke survivors /2 feet</i>										

· Shots per tank depends on the velocity of your marker. If you use a longer barrel, you are using a more volume of gas to propel the paintball to the desired velocity. The more the gas used, less shots per tank, obviously. Certain low-pressure markers alternately require a minimum length for the barrel; this if you use a shorter length then more air will similarly be required.

· With both CO2 and HPA, the colder the temperature becomes, the less shots per tank. This is because when the temperature lowers, so does the tank pressure. When tank pressure lowers, volume of gas used increased, and efficiency decreases.