

■ CO ■ Safety Checklist

- Cylinder stored UPRIGHT at all times
- Secured against tipping (chain, strap, or stand)
- Valve cap on when not in use / not connected
- Storage area has some air exchange (not sealed)
- Away from heat sources and direct sunlight
- Hydrostatic test date within 5 years (stamped on collar)
- No visible dents, rust, or damage on cylinder body
- All connections checked with soapy water monthly
- Tank valve closed when not actively carbonating
- Others using equipment know CO ■ warning signs

■ ■ CO ■ Warning Signs

- Headache or pressure behind eyes
- Dizziness, lightheadedness, unusual fatigue
- Rapid or labored breathing
- Confusion or inability to think clearly

ACTION: Exit area immediately → fresh air → ventilate → if symptoms persist, call emergency services.

■ Cylinder Inspection Guide

- Check hydrostatic test date on collar (MM/YY format)
- Inspect for dents, deep scratches, bulges, or corrosion
- Valve spins freely and seals completely when closed
- Verify net CO ■ weight by weighing (tare weight on collar)
- Never use a cylinder past its test date without recertification
- Replace cylinders with sheared or damaged valves immediately

■ PSI Reference Chart (at 38°F / 3°C)

Beverage	CO ■ Vol.	PSI Target
Light Sparkling Water	1.5–2.0	8–10
Medium Sparkling Water	2.5–3.0	12–16
High Sparkling Water (Topo Chico style)	3.5–4.5	18–24
Light Lager / Pilsner	2.4–2.6	11–13
American Ale / IPA	2.2–2.6	10–13
British Ales / Stout	1.5–2.2	7–11
Hefeweizen / Belgian	3.3–4.5	17–24
Homemade Cola / Soda	3.5–4.5	18–24
Ginger Ale / Root Beer	3.0–4.0	15–22
Hard Cider	2.5–3.0	12–16
Kombucha (force top-up)	1.5–2.5	8–12
Sparkling Wine (Prosecco)	3.5–4.0	18–22
Champagne Style	5.0–6.5	28–38
Carbonated Cocktail	2.5–3.0	12–16

■ ■ At warmer temps, add ~2–4 PSI per 10°F above 38°F. Use the calculator at fizzhomelab.pages.dev/tools/carbonation-calculator.html for exact values.

■ Beginner Syrup Dilution Ratios

Soda Style	Syrup : Water	Per 300ml glass
Ginger Ale	1 : 6	43ml + 257ml
Cola	1 : 5	50ml + 250ml
Root Beer	1 : 5	50ml + 250ml
Cream Soda	1 : 6	43ml + 257ml
Lemon-Lime	1 : 7.5	36ml + 264ml
Hibiscus	1 : 7	38ml + 262ml
Tonic Water	1 : 6	43ml + 257ml
Shrub / Drinking Vinegar	1 : 8	33ml + 267ml