



How to Balance Your Home Draft system

Carbonation Level Chart					
Vol. CO ₂	2.4	2.5	2.6	2.7	2.8
Temp. (°F)	PSI*	PSI*	PSI*	PSI*	PSI*
33 →	7.9	8.8	9.8	10.7	11.7
34	8.1	9.1	10.1	11.1	12.0
35	8.6	9.7	10.7	11.7	12.7
36	9.2	10.2	11.3	12.3	13.4
37	9.8	10.8	11.9	12.9	14.0
38 →	10.3	11.3	12.4	13.5	14.5
39	10.8	11.9	13.0	14.1	15.2
40	11.3	12.4	13.5	14.6	15.7
41	11.7	12.8	13.9	15.1	16.2
42	12.2	13.3	14.4	15.6	16.7

— Example 1: Refrigerator — Example 2: Keezer

**Chart assumes sea-level elevations. Add 1 PSI for every 2,000 feet above sea level.*

Restriction Chart			
Type	Size	Restriction	Volume
Vinyl	3/16"ID	3.00 psi/ft	1/6 oz/ft
Vinyl	1/4" ID	0.85 psi/ft	1/3 oz/ft
Gravity	————	0.50 psi/ft	————

How Long should my beer line be?

Example A: Refrigerator

- 1 Choose your carbonation level (2.6 is average).
- 2 Read the thermometer in your refrigerator and use the chart to calculate the correct PSI level for your chosen carbonation level.
2.6v at 38°F = 12.4 PSI
- 3 Determine gravity resistance and subtract from PSI (2' = 1 PSI).
12.4 PSI – 1 PSI = 11.4 PSI
- 4 Take the remaining PSI and divide by the tubing resistance. From the chart, we determined that 3/16" tubing has 3 PSI of resistance per foot.

Size	PSI	Restriction	Length
3/16" ID	11.4	÷ 3.00 psi/ft	= 3.8 ft
1/4" ID	11.4	÷ 0.85 psi/ft	= 13.4

- 5 Cut 3/16" vinyl tubing to **3.8 feet**.
**1/4" ID tubing should be used for beer lines longer than 6 feet.*

Example B: Keezer

- 1 2.4v CO2
- 2 2.4v at 33°F = 7.9 PSI
- 3 Gravity = n/a (0)
- 4 $7.9 \div 3 = \mathbf{2.6 \text{ ft}}$ (3/16" tubing)
- 5 Cut tubing to 2.6'

