

# DRAUGHT BEER GUIDE



## TEMPERATURE — PRESSURE RELATIONSHIP

TEMP.	PRESSURE	APPLIED PRESSURE	TEMP.	PRESSURE	APPLIED PRESSURE
33°	8.45	11	39°	12.35	15
34°	9.10	12	40°	13.00	16
35°	9.75	12	41°	13.65	16
36°	10.40	13	42°	14.30	17
37°	11.05	14	43°	14.95	17
38°	11.70	14	44°	15.50	18

NOTE: Internal pressure increases 6.5 pounds for every 10° of temperature rise.

### BEER LINES RESTRICTION VINYL TUBING

3/16" I.D.	3 lbs. per ft.
1/4" I.D.	.85 lb. per ft.
5/16" I.D.	.20 lb. per ft.
3/8" I.D.	.025 lb. per ft.

### POLYETHYLENE TUBING

3/16" I.D.	2.2 lbs. per ft.
1/4" I.D.	.50 lb. per ft.
5/16" I.D.	.07 lb. per ft.

\* Vertical Lift = Height x .5  
(1/2 pound)

\* Standard with 3/16" bent tube  
assembly = 3 lbs. resistance.

\* Common beer line sizes are  
3/16" I.D., 1/4" I.D. and 5/16" I.D.

\* Air lines measure 3/16".

\* A balanced system will yield one  
gallon of beer per minute.

## DRAUGHT BEER FACTS

- \* Ideal storage temperature for draught beer is 38°.
- \* Beer not in motion will freeze at 29°.
- \* Secondary fermentation begins near 50°.
- \* Beer foam is 25% liquid beer and 75% CO<sub>2</sub>.
- \* Temperature of beer in a glass is 2° to 4° higher than temperature of the keg in the cooler.
- \* Half barrel weighs approximately 159 lbs. full and 27 lbs. empty. Approximate dimensions of a half barrel is 22"H x 17"W.
- \* One gallon of beer weighs 8.48 lbs. and contains 128 ounces.
- \* Quarter barrel weighs approximately 79 lbs. full and 14 lbs. empty. Approximate dimensions of a quarter barrel is 15 1/2"H X 14 1/2"W.
- \* Quarter barrel contains 7 1/4 gallons; or equals 992 ounces — or equals 3.45 cases of 12 oz. bottles/cans.
- \* A full tank of CO<sub>2</sub> is pressurized to approximately 1000 lbs. per square inch.
- \* A full 20 lb. tank will dispense approximately 25 to 30 kegs. A full 50 lb. tank will dispense approximately 65 to 70 kegs.

APPROXIMATE NUMBER OF GLASSES IN HALF BARREL  
(A half barrel = 15 1/2 gals. — 1984 ozs. — 6.88 cases of 12 oz. bottles/cans)

TYPE OF GLASS	SIZE	1" HEAD	3/4" HEAD YIELDS	1/2" HEAD
SHAM PILSNER & HOURGLASS	8 oz.	344	326	284
	9 oz.	293	280	262
	10 oz.	265	248	233
	12 oz.	220	209	198
TULIP-GOBLET	8 oz.	306	294	275
	10 oz.	248	230	207
	11 oz.	230	209	188
	12 oz.	210	191	167
FOOT/PILSNER	8 oz.	327	294	283
	9 oz.	284	260	247
	10 oz.	251	235	216
SHELL	8 oz.	312	290	273
	9 oz.	271	255	243
	10 oz.	250	236	218
	12 oz.	202	192	179
MUG STEIN	10 oz.	248	233	223
	12 oz.	203	189	178
	14 oz.	169	158	153
	16 oz.	149	144	134
GOBLET	10 oz.	330	296	264
	12 oz.	248	220	204
	14 oz.	204	190	169
	16 oz.	176	162	149
PAPER CUP	20 oz.	141	124	110
	24 oz.	104	94	88
PLASTIC CUP	12 oz.	220	205	190
	14 oz.	195	180	170
	16 oz.	165	155	150
PITCHER	48 oz.	52	1 1/2" HEAD	
	55 oz.	43	46	
	60 oz.	39	42	
	64 oz.	35	38	