

Chapter Ag 115

LIQUEFIED PETROLEUM GAS

- Ag 115.01 Thermometer and thermometer well specifications      Ag 115.03 Sales tickets  
 Ag 115.02 Manual volume correction                                      Ag 115.04 Exception

**Ag 115.01 Thermometer and thermometer well specifications.**

(1) Every meter used for the liquid measurement of liquefied petroleum gas sold or delivered to consumers shall be equipped with a thermometer well. The well shall extend into the flowing liquid either in the liquid chamber of the meter or in the meter inlet or discharge line immediately adjacent to the meter.

(2) The thermometer well shall be constructed so as to permit insertion of a mercury in glass Fahrenheit thermometer which has one-degree graduations, spaced at least 0.04 inch apart.

**History:** Cr. Register, March, 1960, No. 51, eff. 4-1-60.

**Ag 115.02 Manual volume correction.** (1) When liquefied petroleum gas is sold or delivered to consumers by liquid measurement through use of a liquid meter that is not equipped with an automatic temperature compensating mechanism, then its volume shall be corrected to a temperature of 60° F. through use of the volume correction factor table set forth in sub. (2). To correct measured volume to volume at 60° F., determine the temperature of the liquid after midpoint in the delivery from the thermometer referred to in s. Ag 115.01, find the observed temperature in the temperature column in the table, refer to the appropriate column for the product delivered, read the volume conversion factor opposite the observed temperature, and multiply the volume delivered as indicated by the meter by the factor to obtain the volume at 60° F.

(2) *Volume correction factor table.*

Temperature	Propane	Butane	Temperature	Propane	Butane
-20.....	1.115	1.080	0.....	1.088	1.062
-19.....	1.113	1.079	1.....	1.087	1.061
-18.....	1.112	1.078	2.....	1.086	1.060
-17.....	1.111	1.077	3.....	1.084	1.059
-16.....	1.110	1.076	4.....	1.083	1.058
-15.....	1.109	1.075	5.....	1.081	1.057
-14.....	1.108	1.074	6.....	1.080	1.055
-13.....	1.107	1.073	7.....	1.079	1.054
-12.....	1.105	1.072	8.....	1.078	1.053
-11.....	1.103	1.071	9.....	1.076	1.052
-10.....	1.102	1.071	10.....	1.075	1.051
- 9.....	1.101	1.070	11.....	1.073	1.050
- 8.....	1.100	1.069	12.....	1.072	1.049
- 7.....	1.098	1.068	13.....	1.071	1.048
- 6.....	1.096	1.067	14.....	1.070	1.047
- 5.....	1.094	1.066	15.....	1.068	1.046
- 4.....	1.092	1.065	16.....	1.067	1.045
- 3.....	1.091	1.065	17.....	1.066	1.044
- 2.....	1.090	1.064	18.....	1.065	1.043
- 1.....	1.089	1.063	19.....	1.063	1.042

Temperature	Propane	Butane	Temperature	Propane	Butane
20.....	1.062	1.041	61.....	.998	.999
21.....	1.060	1.040	62.....	.997	.998
22.....	1.059	1.039	63.....	.995	.997
23.....	1.057	1.038	64.....	.993	.996
24.....	1.056	1.037	65.....	.991	.994
25.....	1.054	1.036	66.....	.990	.993
26.....	1.053	1.036	67.....	.988	.992
27.....	1.051	1.035	68.....	.986	.991
28.....	1.050	1.034	69.....	.984	.990
29.....	1.048	1.033	70.....	.983	.989
30.....	1.047	1.032	71.....	.981	.988
31.....	1.045	1.031	72.....	.980	.987
32.....	1.044	1.030	73.....	.978	.986
33.....	1.042	1.029	74.....	.976	.985
34.....	1.041	1.028	75.....	.974	.983
35.....	1.039	1.026	76.....	.973	.982
36.....	1.038	1.025	77.....	.971	.981
37.....	1.036	1.024	78.....	.970	.980
38.....	1.035	1.023	79.....	.968	.979
39.....	1.033	1.022	80.....	.967	.978
40.....	1.032	1.021	81.....	.965	.977
41.....	1.030	1.020	82.....	.963	.976
42.....	1.029	1.019	83.....	.961	.975
43.....	1.027	1.018	84.....	.959	.974
44.....	1.026	1.017	85.....	.957	.972
45.....	1.024	1.016	86.....	.956	.971
46.....	1.022	1.015	87.....	.954	.970
47.....	1.020	1.014	88.....	.952	.969
48.....	1.019	1.013	89.....	.950	.968
49.....	1.017	1.012	90.....	.949	.967
50.....	1.016	1.011	91.....	.947	.966
51.....	1.014	1.010	92.....	.945	.965
52.....	1.013	1.009	93.....	.943	.963
53.....	1.011	1.007	94.....	.941	.962
54.....	1.010	1.006	95.....	.939	.961
55.....	1.008	1.005	96.....	.938	.960
56.....	1.007	1.004	97.....	.936	.958
57.....	1.005	1.003	98.....	.934	.957
58.....	1.003	1.002	99.....	.932	.956
59.....	1.001	1.001	100.....	.930	.955
60.....	1.000	1.000			

**History:** Cr. Register, March, 1960, No. 51, eff. 4-1-60.

**Ag 115.03 Sales tickets.** (1) When delivery of liquefied petroleum gas is made through a liquid meter equipped with an automatic temperature compensating mechanism, the word "gallon" or any abbreviation thereof shall not appear alone on the sales ticket but shall be immediately preceded or followed by the words "automatically corrected to 60° F." in the same size and style of type.

(2) When delivery of liquefied petroleum gas is made through a liquid meter not equipped with an automatic temperature compensating mechanism, the sales ticket shall show the delivered gallons, the temperature of the liquid at the time of delivery, the volume correction factor, and the corrected gallonage. Wherever a statement of corrected gallonage appears on the sales ticket the words "corrected to 60° F." shall appear immediately adjacent thereto.

**History:** Cr. Register, March, 1960, No. 51, eff. 4-1-60.  
Register, July, 1981, No. 307

**Ag 115.04 Exception.** This chapter shall not apply to unit sales or deliveries made direct to mobile fuel tanks consisting of less than 100 gallons.

**History:** Cr. Register, March, 1960, No. 51, eff. 4-1-60.