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THE THERMODYNAMIC PROPERTIES OF HELIUM FROM 6 TO 540° R BETWEEN 10 AND 1500 PSIA

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U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

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PREFACE

This is a supplementary edition of the National Bureau of Standards Technical Note No. 154, and presents the same data in the dimensional units of the British system. The original text has been included to indicate the methods used to generate the property tables. Pressure and temperature ranges have been modified slightly to allow the use of integer increments. In addition, a 10 psia isobar has been included. Computations were performed in the metric unit system and converted using the following relations:

Pressure	atm x 14.696006 = psia
Specific Volume	cc/gram x 0.016018 = ft^3/lb
Temperature	°K x 1.8 = °R
Enthalpy	cal/gram x 1.798823 = Btu/lb
Internal Energy.	cal/gram x 1.798823 = Btu/lb
Entropy.	cal/gram - °K x .999346 = Btu/lb - °R

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THE THERMODYNAMIC PROPERTIES OF HELIUM FROM 6 TO 540°R BETWEEN 10 AND 1500 PSIA

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ABSTRACT

The specific volume, enthalpy, entropy, and internal energy values of helium are presented in tabular form as functions of pressure and temperature.

Data are tabulated in two degree Rankin increments for thirty-six isobars between 10 psia and 1500 psia. A comparison with previously published data is made where applicable.

An expression is presented which represents the pressure-density-temperature surface based on previously published data.

The tabulation is presented in the dimensional units of the British system, but is also available in the dimensional units of the metric system.

1. INTRODUCTION

Recent developments in the field of cryogenic engineering, such as the low temperature operation of masers and magnets, require increasingly accurate representations of the properties of the gases used as refrigerants. Helium, in particular, is used exclusively to provide continuous refrigeration in the temperature range 3.5° to 13°K, and is being considered as a prime refrigerant to temperature levels up to 40°K. Refrigeration methods are also becoming more complex and efficient, reflecting the advances in the design and construction of equipment such as heat exchangers and expansion machines. To determine the performance of these more advanced refrigeration systems, it is necessary to have available a continuous and consistent set of the thermodynamic properties of helium extending from 3°K to ambient temperatures.

These property data must necessarily reflect the most recent experimental measurements.

1.1 DATA CONSIDERED IN GENERATING THIS TABULATION

The work of Keesom [1942] assembled and in most cases correlated the property data reported by experimentalists up to and including 1941. Akin [1950], using the Beattie-Bridgeman equation of state and data derived from Keesom [1942], presented thermodynamic properties for helium to temperatures extending from 590°K down to about 12°K and to quite high gas densities.

Lounasmaa [1958] provided experimental data which indicated the virial form of the equation of state used by Keesom [1942] was somewhat inadequate in representing the properties for densities greater than the critical density at temperatures below 20°K. Mann and Stewart [1959] correlated these data of Lounasmaa [1958] with those of Keesom [1942], Berman and Mate [1958], and Domb and Dugdale [1957]. The results of this correlation were presented in graphical form for the temperature region 3° to 20°K.

The work of Edeskuty and Sherman [1958] provided experimental data at 4.2°K and below and up to densities in excess of three times the critical density.

The purpose of this work is to correlate the applicable data of these more recent investigators with those of Keesom [1942] to give a continuous representation of properties extending from $3^{o}K$ to $300^{o}K$ and pressures to 100 atmospheres.

2.0 SYMBOLS

The following is a list of symbols and definitions used in this report:

C_p^* - molar specific heat of helium gas at very low pressures. Assumed to be numerically equal to 5/2 R j/gm-mole-^{o}K.

C_{sat} - specific heat of liquid helium at saturation conditions, - j/gm-mole-^{o}K.

ρ - mass concentration (density) - gm-moles/liter.

H - enthalpy - j/gm-mole.

H_0 - enthalpy value of liquid helium at the conditions T = 0°K, P = zero.

H_L - enthalpy value at the conditions T = 4.2144^{o}K (normal boiling point, T_{55E}), P = one atmosphere, saturated liquid.

P - absolute pressure - atmospheres.

S - entropy - j/gm-mole-^{o}K.

S_0 - entropy of liquid helium at the conditions T = 0°K, and P = zero, assumed to be numerically equal to zero.

S_L - entropy value at the conditions T = 4.2144^{o}K, (normal boiling point, T_{55E}), P = one atmosphere, saturated liquid.

T - temperature - degrees Kelvin.

U - internal energy - j/gm-mole.

V - molar volume - liters/gm-mole.

Z - compressibility factor $\equiv \frac{P}{\rho RT}$

3.0 CONSTANTS AND CONVERSION FACTORS

The temperature scale used in this report is that designated by the symbol T_{55E} [Clement, Logan and Gaffney, 1955].

Constants and conversion factors are as follows:

One atmosphere	$= 1.013250(10^6)$ dynes/cm^2.
R (gas constant)	$= 8.20575 \times 10^{-2}$ liter-atm/gm-mole-$^\circ$K. (chemical scale).
One calorie (thermochemical)	= 4.1840 Joules
One Joule (j)	$= 9.86896 \times 10^{-3}$ liter-atm.
One liter	$= 1000.028$ cm^3.

4.0 PRESSURE-DENSITY-TEMPERATURE SURFACE

The equation developed to describe the pressure-density-temperature surface is based on the equation of Benedict-Webb-Rubin [1940], as modified for nitrogen by Strobridge [1962] and further modified here for helium. With pressure as the dependent variable, the equation is:

$$P = R\rho T + \left(R n_1 T + n_2 + \frac{n_3}{T} + \frac{n_4}{T^2} + \frac{n_5}{T^4}\right)\rho^2 + \left(R n_6 T + n_7\right)\rho^3$$

$$+ n_8\rho^4 + \left(\frac{n_9}{T^2} + \frac{n_{10}}{T^3} + \frac{n_{11}}{T^4}\right)\rho^3 e^{-n_{12}\rho^2/T}$$

$$+ \left(\frac{n_{13}}{T^2} + \frac{n_{14}}{T^3} + \frac{n_{15}}{T^4}\right)\rho^5 e^{-n_{12}\rho^2/T} + n_{16}\rho^5 + n_{17}\rho^6 . \qquad (1)$$

Values for the constants are as follows:

$R = 0.820575 \quad (10^{-1})$	$n_9 = -0.5002871627(10^{-2})$
$n_1 = 0.1627693557(10^{-1})$	$n_{10} = 0.3451283837(10^{-1})$
$n_2 = -0.3700903492(10^{-1})$	$n_{11} = 0.1008924438(10^{0})$
$n_3 = 0.7567259965(10^{-2})$	$n_{12} = 0.65 \quad (10^{-2})$
$n_4 = -0.1887566673(10^{-1})$	$n_{13} = -0.1851562535(10^{-4})$
$n_5 = 0.4792344640(10^{-1})$	$n_{14} = 0.4204351888(10^{-4})$
$n_6 = 0.1560344984(10^{-3})$	$n_{15} = -0.1712445150(10^{-3})$
$n_7 = 0.9274298542(10^{-3})$	$n_{16} = 0.7739390202(10^{-6})$
$n_8 = -0.2833997045(10^{-4})$	$n_{17} = -0.2870693948(10^{-8})$

A least squares method developed by Jones [1962] and programmed for use on a digital computer was used to determine the values of these constants. Because the constant n_{12} appears in the exponential term, it was necessary to select several values for this constant and solve for the set of constants which gave the minimum in the sum of squares of deviations. The resulting best fit for the data was only slightly affected by changes in the value of the constant n_{12}, but it was found necessary to carry the maximum number of places in the derived constants to assure internal consistency and reproducibility.

Data used for the least squares treatment consisted of 695 pressure, density, and temperature points. These points were taken from the following published works:

Berman and Mate [1958]. Thirty-eight data points were used to describe the saturated vapor and saturated liquid conditions. Temperatures range from 2.2° to 5.18°K.

Edeskuty and Sherman [1958]. Eighty-eight data points were used to describe the compressed liquid region from 2.2° to 4.2°K. Pressures range from one to 140 atmospheres and the highest density values are in excess of three times the critical density.

Hill and Lounasmaa [1960]. A total of 258 experimental data points were used to describe the rather broad temperature and pressure region from about 2.5° to 20°K. Pressures range from one to 102

atmospheres with density values extending to three times the critical density.

Keesom [1942]. The virial equation of state and the values for the coefficients adopted by Keesom were used to obtain 311 pressure-density-temperature points along twenty-nine isotherms extending from 3.1 to 574°K. Pressure-density-temperature points having densities greater than the critical density were excluded because of the divergence of the equation of state values for pressure from the experimental values of Hill and Lounasmaa [1960] in the region of the 20°K isotherm.

Except for the two-phase region described by Berman and Mate [1958] overlapping of the data regions was extensive.

5.0 DERIVED FUNCTIONS

The property functions of enthalpy, entropy, and internal energy for the single phase fluid region were calculated using only the equation for the pressure-density-temperature surface (1). This procedure was necessary in the absence of specific heat measurements over the entire range of interest. Equations used to calculate these properties are shown below. For a complete derivation of the equations, the reader is referred to Beattie [1955].

$$H = H_0^o + \int_{T=0}^{T} C_p^* \, dT + (Z-1)\,RT + \int_0^{\rho} \left[\frac{P}{\rho^2} - \frac{T}{\rho^2}\left(\frac{\partial P}{\partial T}\right)_\rho \right] d\rho \quad (2)$$

$$S = S_0^o + \int_{T=0}^{T} \frac{C_p^*}{T} \, dT - R\ell n \frac{P}{Z} + \int_0^{\rho} \left[\frac{R}{\rho} - \frac{1}{\rho^2}\left(\frac{\partial P}{\partial T}\right)_\rho \right] d\rho \quad (3)$$

$$U = H - \frac{P}{\rho}. \quad (4)$$

For the particular case of helium:

$$H_0^o = (H_L - H_0) + L_v - \left[(Z-1)\,RT + \int_0^{\rho} \left[\frac{P}{\rho^2} - \frac{T}{\rho^2}\left(\frac{\partial P}{\partial T}\right)_\rho \right] d\rho \right], \quad (5)$$

$$S_0^o = (S_L - S_0) + \frac{L_v}{T} - \left[-R\ell n\frac{P}{Z} + \int_0^\rho \left[\frac{R}{\rho} - \frac{1}{\rho^2}\left(\frac{\partial P}{\partial T}\right)_\rho \right] d\rho \right]. \qquad (6)$$

Equations (5) and (6) are evaluated at the normal boiling point temperature of 4.2144°K and the density of saturated vapor at this temperature. L_v is the heat of vaporization at this temperature, based on Berman and Mate [1958]. The calculations indicated by (5) and (6) result in values for S_0^o and H_0^o of 9.2609 j/gm-mole °K and 36.5582 j/gm-mole respectively.

The values of enthalpy, entropy, and internal energy of the saturated liquid given in Table I were taken from Mann and Stewart [1959]. These values were found by graphically integrating the expressions:

$$H - H_0 = \int_{T=0}^{T} C_{sat}\, dT + \int_{P=0}^{P} \frac{dP}{\rho}, \qquad (7)$$

$$S - S_0 = \int_{T=0}^{T} \frac{C_{sat}}{T}\, dT. \qquad (8)$$

The specific heat of saturated liquid (C_{sat}) was taken from Hill and Lounasmaa [1957].

Properties at the saturated vapor condition given in Table I were found using (7) and (8) and the heat of vaporization data of Berman and Mate [1958].

Values for internal energy were computed from (4).

Equation (1) was developed starting with the work of Lounasmaa [1959]. This publication presented the derived constants for the Benedict-Webb-Rubin equation of state using the data obtained experimentally by Hill and Lounasmaa [1960]. As the data range was extended to include the region defined by this report, the Benedict-Webb-Rubin equation was also modified as necessary. The temperature-pressure region 4.8° to 5.8°K and 1.8 to 2.8 atmospheres was less accurately reproduced as this modification proceeded to the form

TABLE 1

Properties of Helium

Two Phase Liquid-Vapor Region

Temperature °K	Pressure Atmospheres	Saturated Vapor v cc/gm	h j/gm	u j/gm	s j/gm-°K	Saturated Liquid v cc/gm	h j/gm	u j/gm	s j/gm-°K
3.00	0.241	224.11	28.96	23.49	10.247	7.0852	5.30	5.13	2.356
3.20	0.320	174.83	29.48	23.81	9.911	7.1849	5.85	5.62	2.527
3.40	0.416	138.70	29.93	24.08	9.606	7.3025	6.47	6.16	2.690
3.60	0.529	111.48	30.34	24.36	9.322	7.4388	7.18	6.78	2.883
3.80	0.661	90.50	30.59	24.53	9.021	7.5965	7.93	7.40	3.059
4.00	0.814	73.86	30.72	24.63	8.736	7.7785	8.81	8.17	3.255
4.20	0.990	60.61	30.79	24.71	8.443	7.9885	9.85	9.05	3.460
4.40	1.190	49.80	30.65	24.65	8.150	8.2305	10.96	9.97	3.674
4.60	1.417	40.72	30.32	24.47	7.845	8.5470	12.33	11.10	3.920
4.80	1.672	32.87	29.49	23.92	7.473	9.0334	13.88	12.35	4.188
5.00	1.959	25.67	28.02	22.92	7.000	9.9404	16.00	14.03	4.598

of (1). The reason for this decrease in accuracy was the inability of the developed equation to represent exactly the form of the critical isotherm at or near the critical pressure.

The effect of this problem was two-fold. Properties defined by (1), (2), (3), and (4) in this temperature and pressure region were found to have substantial errors. In addition, the integration, indicated by (2) and (3), for the values of derived properties at densities greater than the critical density and at pressures greater than 2.8 atmospheres resulted in substantial errors at temperatures near the critical point.

To eliminate these errors, the properties were derived using (1), (2), (3), and (4) for temperatures of 6°K and above for densities greater than critical density and for temperatures approaching the saturated vapor conditions at densities less than the critical density.

Equations (2) and (3) were then modified so as to substitute for the lower limit of integration the values for the properties along the saturated liquid region. Equations (9) and (10) indicate this modification and with (4) are the equations used to derive properties at pressures greater than the critical pressure and at temperatures less than 6°K.

$$\Delta S = \int_{\rho_{sat}}^{\rho} \left[-\frac{1}{\rho^2} \left(\frac{\partial P}{\partial T} \right)_{\rho} \right]_T d\rho \qquad (9)$$

$$\Delta H = \frac{P}{\rho} - \left(\frac{P}{\rho_{sat}} \right) + \int_{\rho_{sat}}^{\rho} \left[\frac{P}{\rho^2} - \frac{T}{\rho^2} \left(\frac{\partial P}{\partial T} \right)_{\rho} \right]_T d\rho \qquad (10)$$

Isobars were then plotted graphically on temperature-entropy and temperature-enthalpy coordinates. The entropy change along the isochore 30.93 gm-mole/liter was computed from 4.75° to 10°K using the specific heat data of Hill and Lounasmaa [1960] and the expression:

$$\Delta S = \int_{T_1}^{T_2} \frac{Cv}{T} \, dT . \qquad (11)$$

The intersections of the isobars with this isochore given by Hill and Lounasmaa [1960] were noted as the temperature was increased.

A correction for the properties along the 5° and 6°K isotherms was determined and the tabulated data were adjusted to be consistent with the above-described specific heat data of Hill and Lounasmaa [1960]. In addition, the two-atmosphere isobar was plotted from Hill and Lounasmaa [1960] in the region of the critical values and the tabulated properties obtained directly from this plot.

6.0 TABULATED THERMODYNAMIC PROPERTIES

Values taken from the pressure-density-temperature surface described by (1) and the derived properties found from (2) through (11) are listed as functions of pressure and temperature on succeeding pages. Forty isobars are presented covering the range 0.5 to 100 atmospheres. One degree increments of temperature are given except at the two-phase boundaries, and, in general, extend from 3° to 300°K. Values listed in the tables are specific not molar quantities The molecular weight of helium was taken as 4.0028.

It was found that a better representation of the pressure-density-temperature surface could be achieved by considering a number of restricted ranges of temperature and pressure when defining the constants of (1), but this procedure would then require the fitting and smoothing of several property surfaces. It was felt that the surface matching would not increase the accuracy of the tabulated values over the entire range of interest by a factor that could justify the extensive data manipulation required.

7.0 DISCUSSION

The pressure-density-temperature surface described by (1) and the tabulated derived functions fit the original data to varying degrees of accuracy depending on the temperature and pressure region considered. In general, the ability of (1) to reproduce the original data is less accurate in the regions of phase change, and in particular, in the region of the critical point. As mentioned above, the liquid-vapor region was handled graphically in an attempt to reduce the error in this region.

In the temperature region 10° to 300°K the accuracy of the tabulated values of pressure, density, enthalpy, and entropy is estimated to be within 3% while internal energy values may vary somewhat more.

Below 10°K and at low pressures the properties of enthalpy, entropy, internal energy, and pressure are accurate to an estimated error of 3% while density may have an uncertainty of as much as 5%. At higher pressures the density is defined to within the estimated 3% but the pressures may be in error as much as 5%.

Values for the specific heats of helium derived from the tables are estimated to be within 5% in the temperature range 10 to 300°K. It is not recommended that specific heats be extracted from the tables at temperature levels below 10°K.

Figure 1 summarizes the deviations in enthalpy when the values of this paper are compared with enthalpy values of previously published works.

$$\text{Deviation (\%)} = 100\,(\text{Obs.} - \text{Calc.})/(\text{Obs.})$$

The number of places carried in the tables is not a reflection of the estimated accuracy but is necessary to provide internal consistency during the calculation of refrigeration systems.

Tabulated values of the properties are presented in the dimensional units of the metric system. Values in the units of the British system are available as Supplement A to this report [Mann 1962].

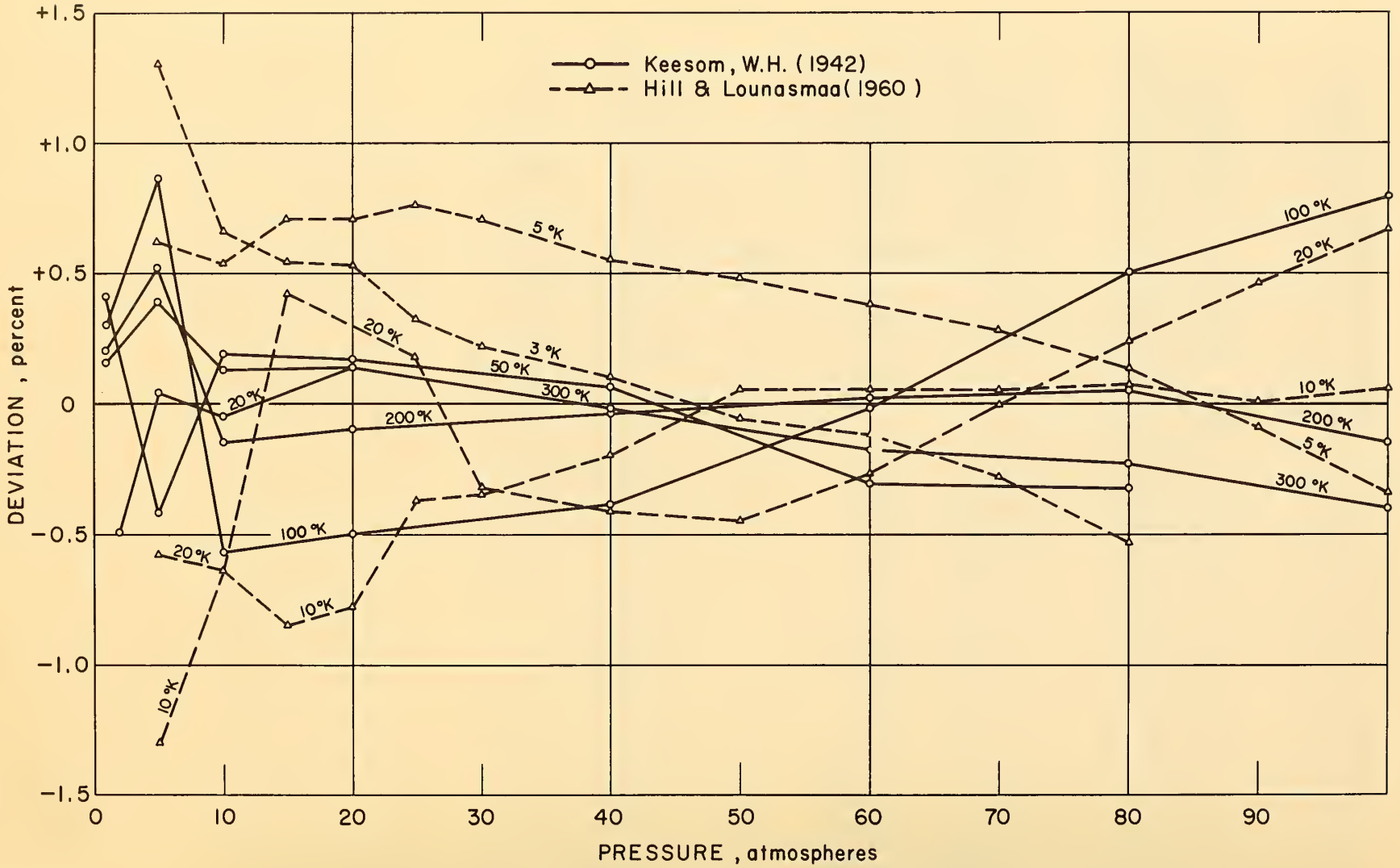

Figure 1. Enthalpy Deviation Plot

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TABLE 2
Properties of Helium
(British Units)
Two Phase Liquid-Vapor Region

Temperature R°	Pressure (psia)	Saturated Vapor v ft^3/lb	h Btu/lb	u Btu/lb	s Btu/lb-R°	Saturated Liquid v ft^3/lb	h Btu/lb	u Btu/lb	s Btu/lb-R°
6.00	5.58	2.395	12.81	10.34	2.315	.1164	2.70	2.58	0.630
6.20	6.44	2.108	12.91	10.40	2.271	.1175	2.81	2.67	0.653
6.40	7.35	1.865	12.99	10.45	2.231	.1187	3.02	2.86	0.675
6.60	8.35	1.661	13.06	10.49	2.195	.1200	3.20	3.01	0.700
6.80	9.44	1.480	13.13	10.55	2.160	.1214	3.38	3.17	0.725
7.00	10.64	1.321	13.17	10.57	2.125	.1230	3.58	3.34	0.750
7.20	11.93	1.181	13.21	10.60	2.095	.1246	3.79	3.51	0.778
7.40	13.31	1.059	13.23	10.62	2.050	.1264	4.01	3.70	0.805
7.60	14.80	0.949	13.23	10.63	2.010	.1283	4.28	3.93	0.831
7.80	16.43	0.849	13.21	10.63	1.970	.1304	4.56	4.16	0.861
8.00	18.13	0.763	13.15	10.59	1.928	.1328	4.84	4.39	0.890
8.20	19.90	0.685	13.05	10.53	1.886	.1356	5.16	4.66	0.902
8.40	21.85	0.610	12.90	10.43	1.841	.1391	5.50	4.94	0.957
8.60	23.91	0.541	12.72	10.33	1.794	.1437	5.88	5.24	0.996
8.80	26.28	0.478	12.45	10.13	1.738	.1499	6.34	5.61	1.042
9.00	28.53	0.412	12.05	9.88	1.672	.1592	6.88	6.04	1.098

TABLE 3

Tabulation of Thermodynamic Properties

10.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.1156	2.76	2.55	.625
* 6.894	.1221	3.46	3.23	.735
* 6.894	1.4074	13.14	10.53	2.147
8.00	1.7856	14.77	11.47	2.367
10.00	2.4185	17.61	13.13	2.684
12.00	3.0142	20.31	14.73	2.930
14.00	3.5908	22.94	16.30	3.133
16.00	4.1563	25.53	17.84	3.306
18.00	4.7150	28.10	19.37	3.458
20.00	5.2689	30.65	20.89	3.592
22.00	5.8195	33.18	22.41	3.713
24.00	6.3677	35.70	23.92	3.822
26.00	6.9140	38.22	25.43	3.923
28.00	7.4588	40.74	26.93	4.016
30.00	8.0025	43.24	28.43	4.103
32.00	8.5452	45.75	29.93	4.184
34.00	9.0872	48.25	31.43	4.259
36.00	9.6285	50.75	32.93	4.331
38.00	10.1693	53.25	34.43	4.398
40.00	10.7096	55.74	35.92	4.462
42.00	11.2496	58.24	37.42	4.523
44.00	11.7892	60.73	38.91	4.581
46.00	12.3285	63.22	40.41	4.637
48.00	12.8675	65.71	41.90	4.690
50.00	13.4063	68.20	43.39	4.740
52.00	13.9450	70.69	44.89	4.789
54.00	14.4834	73.18	46.38	4.836
56.00	15.0217	75.67	47.87	4.881
58.00	15.5599	78.16	49.36	4.925
60.00	16.0979	80.64	50.85	4.967
62.00	16.6358	83.13	52.34	5.008
64.00	17.1736	85.62	53.84	5.048
66.00	17.7113	88.10	55.33	5.086
68.00	18.2489	90.59	56.82	5.123
70.00	18.7864	93.07	58.31	5.159
72.00	19.3239	95.56	59.80	5.194
74.00	19.8613	98.04	61.29	5.228
76.00	20.3986	100.53	62.78	5.261
78.00	20.9359	103.01	64.27	5.293
80.00	21.4731	105.50	65.76	5.325
82.00	22.0103	107.98	67.25	5.355
84.00	22.5474	110.46	68.74	5.385
86.00	23.0845	112.95	70.23	5.415
88.00	23.6215	115.43	71.72	5.443
90.00	24.1585	117.91	73.21	5.471
92.00	24.6955	120.40	74.70	5.498
94.00	25.2325	122.88	76.19	5.525
96.00	25.7694	125.36	77.68	5.551
98.00	26.3062	127.85	79.17	5.577
100.00	26.8431	130.33	80.65	5.602
102.00	27.3799	132.81	82.14	5.626
104.00	27.9167	135.30	83.63	5.651
106.00	28.4535	137.78	85.12	5.674
108.00	28.9903	140.26	86.61	5.697
110.00	29.5270	142.74	88.10	5.720
112.00	30.0637	145.22	89.59	5.742
114.00	30.6004	147.71	91.08	5.764
116.00	31.1371	150.19	92.57	5.786
118.00	31.6738	152.67	94.06	5.807
120.00	32.2105	155.15	95.55	5.828
122.00	32.7471	157.64	97.03	5.849
124.00	33.2837	160.12	98.52	5.869
126.00	33.8203	162.60	100.01	5.889
128.00	34.3569	165.08	101.50	5.908
130.00	34.8935	167.56	102.99	5.927
132.00	35.4301	170.04	104.48	5.946
134.00	35.9667	172.53	105.97	5.965
136.00	36.5032	175.01	107.46	5.983
138.00	37.0398	177.49	108.94	6.002
140.00	37.5763	179.97	110.43	6.019
142.00	38.1128	182.45	111.92	6.037
144.00	38.6493	184.93	113.41	6.054
146.00	39.1859	187.42	114.90	6.071
148.00	39.7224	189.90	116.39	6.088
150.00	40.2588	192.38	117.88	6.105
152.00	40.7953	194.86	119.37	6.121
154.00	41.3318	197.34	120.85	6.138
156.00	41.8683	199.82	122.34	6.154
158.00	42.4047	202.30	123.83	6.169
160.00	42.9412	204.79	125.32	6.185
162.00	43.4777	207.27	126.81	6.200
164.00	44.0141	209.75	128.30	6.216
166.00	44.5505	212.23	129.79	6.231
168.00	45.0870	214.71	131.27	6.246
170.00	45.6234	217.19	132.76	6.260
172.00	46.1598	219.67	134.25	6.275
174.00	46.6962	222.15	135.74	6.289
176.00	47.2327	224.64	137.23	6.303
178.00	47.7691	227.12	138.72	6.317
180.00	48.3055	229.60	140.20	6.331
182.00	48.8419	232.08	141.69	6.345
184.00	49.3783	234.56	143.18	6.358
186.00	49.9147	237.04	144.67	6.372
188.00	50.4510	239.52	146.16	6.385
190.00	50.9874	242.00	147.65	6.398
192.00	51.5238	244.48	149.14	6.411
194.00	52.0602	246.96	150.62	6.424
196.00	52.5966	249.45	152.11	6.437
198.00	53.1329	251.93	153.60	6.449
200.00	53.6693	254.41	155.09	6.462
202.00	54.2056	256.89	156.58	6.474
204.00	54.7420	259.37	158.07	6.486
206.00	55.2784	261.85	159.55	6.499
208.00	55.8147	264.33	161.04	6.511
210.00	56.3511	266.81	162.53	6.522
212.00	56.8874	269.29	164.02	6.534
214.00	57.4238	271.77	165.51	6.546
216.00	57.9601	274.26	167.00	6.557
218.00	58.4964	276.74	168.48	6.569
220.00	59.0328	279.22	169.97	6.580
222.00	59.5691	281.70	171.46	6.591
224.00	60.1055	284.18	172.95	6.602
226.00	60.6418	286.66	174.44	6.614
228.00	61.1781	289.14	175.93	6.624
230.00	61.7144	291.62	177.41	6.635
232.00	62.2508	294.10	178.90	6.646
234.00	62.7871	296.58	180.39	6.657
236.00	63.3234	299.06	181.88	6.667
238.00	63.8597	301.54	183.37	6.678
240.00	64.3960	304.03	184.86	6.688
242.00	64.9324	306.51	186.34	6.698
244.00	65.4687	308.99	187.83	6.709
246.00	66.0050	311.47	189.32	6.719
248.00	66.5413	313.95	190.81	6.729
250.00	67.0776	316.43	192.30	6.739
252.00	67.6139	318.91	193.79	6.749
254.00	68.1502	321.39	195.27	6.758
256.00	68.6865	323.87	196.76	6.768
258.00	69.2228	326.35	198.25	6.778
260.00	69.7591	328.83	199.74	6.787

* PHASE CHANGE

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	70.2954	331.31	201.23	6.797	402.00	107.8339	504.96	305.40	7.328
264.00	70.8317	333.79	202.71	6.806	404.00	108.3702	507.44	306.89	7.334
266.00	71.3680	336.28	204.20	6.816	406.00	108.9064	509.92	308.38	7.340
268.00	71.9043	338.76	205.69	6.825	408.00	109.4427	512.40	309.87	7.346
270.00	72.4406	341.24	207.18	6.834	410.00	109.9789	514.88	311.35	7.352
272.00	72.9769	343.72	208.67	6.843	412.00	110.5151	517.36	312.84	7.358
274.00	73.5132	346.20	210.16	6.852	414.00	111.0514	519.84	314.33	7.364
276.00	74.0495	348.68	211.64	6.861	416.00	111.5876	522.32	315.82	7.370
278.00	74.5857	351.16	213.13	6.870	418.00	112.1239	524.80	317.31	7.376
280.00	75.1220	353.64	214.62	6.879	420.00	112.6601	527.28	318.79	7.382
282.00	75.6583	356.12	216.11	6.888	422.00	113.1963	529.76	320.28	7.388
284.00	76.1946	358.60	217.60	6.897	424.00	113.7326	532.24	321.77	7.394
286.00	76.7309	361.08	219.09	6.906	426.00	114.2688	534.72	323.26	7.400
288.00	77.2672	363.56	220.57	6.914	428.00	114.8051	537.20	324.75	7.406
290.00	77.8034	366.04	222.06	6.923	430.00	115.3413	539.68	326.24	7.411
292.00	78.3397	368.52	223.55	6.931	432.00	115.8775	542.16	327.72	7.417
294.00	78.8760	371.00	225.04	6.940	434.00	116.4138	544.64	329.21	7.423
296.00	79.4123	373.49	226.53	6.948	436.00	116.9500	547.12	330.70	7.429
298.00	79.9486	375.97	228.01	6.957	438.00	117.4863	549.61	332.19	7.434
300.00	80.4848	378.45	229.50	6.965	440.00	118.0225	552.09	333.68	7.440
302.00	81.0211	380.93	230.99	6.973	442.00	118.5587	554.57	335.16	7.445
304.00	81.5574	383.41	232.48	6.981	444.00	119.0950	557.05	336.65	7.451
306.00	82.0936	385.89	233.97	6.989	446.00	119.6312	559.53	338.14	7.457
308.00	82.6299	388.37	235.46	6.997	448.00	120.1674	562.01	339.63	7.462
310.00	83.1662	390.85	236.94	7.006	450.00	120.7037	564.49	341.12	7.468
312.00	83.7025	393.33	238.43	7.013	452.00	121.2399	566.97	342.60	7.473
314.00	84.2387	395.81	239.92	7.021	454.00	121.7761	569.45	344.09	7.479
316.00	84.7750	398.29	241.41	7.029	456.00	122.3124	571.93	345.58	7.484
318.00	85.3113	400.77	242.90	7.037	458.00	122.8486	574.41	347.07	7.490
320.00	85.8475	403.25	244.39	7.045	460.00	123.3848	576.89	348.56	7.495
322.00	86.3838	405.73	245.87	7.053	462.00	123.9211	579.37	350.05	7.500
324.00	86.9201	408.21	247.36	7.060	464.00	124.4573	581.85	351.53	7.506
326.00	87.4563	410.69	248.85	7.068	466.00	124.9935	584.33	353.02	7.511
328.00	87.9926	413.18	250.34	7.076	468.00	125.5298	586.81	354.51	7.516
330.00	88.5289	415.66	251.83	7.083	470.00	126.0660	589.29	356.00	7.522
332.00	89.0651	418.14	253.31	7.091	472.00	126.6022	591.77	357.49	7.527
334.00	89.6014	420.62	254.80	7.098	474.00	127.1385	594.25	358.97	7.532
336.00	90.1376	423.10	256.29	7.105	476.00	127.6747	596.73	360.46	7.537
338.00	90.6739	425.58	257.78	7.113	478.00	128.2109	599.22	361.95	7.543
340.00	91.2102	428.06	259.27	7.120	480.00	128.7472	601.70	363.44	7.548
342.00	91.7464	430.54	260.76	7.127	482.00	129.2834	604.18	364.93	7.553
344.00	92.2827	433.02	262.24	7.135	484.00	129.8196	606.66	366.42	7.558
346.00	92.8189	435.50	263.73	7.142	486.00	130.3559	609.14	367.90	7.563
348.00	93.3552	437.98	265.22	7.149	488.00	130.8921	611.62	369.39	7.568
350.00	93.8914	440.46	266.71	7.156	490.00	131.4283	614.10	370.88	7.573
352.00	94.4277	442.94	268.20	7.163	492.00	131.9646	616.58	372.37	7.578
354.00	94.9640	445.42	269.68	7.170	494.00	132.5008	619.06	373.86	7.583
356.00	95.5002	447.90	271.17	7.177	496.00	133.0370	621.54	375.34	7.588
358.00	96.0365	450.38	272.66	7.184	498.00	133.5732	624.02	376.83	7.593
360.00	96.5727	452.86	274.15	7.191	500.00	134.1095	626.50	378.32	7.598
362.00	97.1090	455.35	275.64	7.198	502.00	134.6457	628.98	379.81	7.603
364.00	97.6452	457.83	277.13	7.205	504.00	135.1819	631.46	381.30	7.608
366.00	98.1815	460.31	278.61	7.211	506.00	135.7182	633.94	382.78	7.613
368.00	98.7177	462.79	280.10	7.218	508.00	136.2544	636.42	384.27	7.618
370.00	99.2540	465.27	281.59	7.225	510.00	136.7906	638.90	385.76	7.623
372.00	99.7902	467.75	283.08	7.232	512.00	137.3268	641.38	387.25	7.628
374.00	100.3265	470.23	284.57	7.238	514.00	137.8631	643.86	388.74	7.633
376.00	100.8627	472.71	286.05	7.245	516.00	138.3993	646.34	390.23	7.637
378.00	101.3990	475.19	287.54	7.251	518.00	138.9355	648.82	391.71	7.642
380.00	101.9352	477.67	289.03	7.258	520.00	139.4718	651.30	393.20	7.647
382.00	102.4715	480.15	290.52	7.265	522.00	140.0080	653.79	394.69	7.652
384.00	103.0077	482.63	292.01	7.271	524.00	140.5442	656.27	396.18	7.657
386.00	103.5440	485.11	293.50	7.277	526.00	141.0804	658.75	397.67	7.661
388.00	104.0802	487.59	294.98	7.284	528.00	141.6167	661.23	399.15	7.666
390.00	104.6165	490.07	296.47	7.290	530.00	142.1529	663.71	400.64	7.671
392.00	105.1527	492.55	297.96	7.297	532.00	142.6891	666.19	402.13	7.675
394.00	105.6890	495.03	299.45	7.303	534.00	143.2253	668.67	403.62	7.680
396.00	106.2252	497.51	300.94	7.309	536.00	143.7616	671.15	405.11	7.685
398.00	106.7614	499.99	302.42	7.315	538.00	144.2978	673.63	406.59	7.689
400.00	107.2977	502.48	303.91	7.322	540.00	144.8340	676.11	408.08	7.694

14.70 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.1147	2.84	2.52	.621
* 7.586	.1283	4.29	3.94	.829
* 7.586	.9733	13.31	10.66	2.031
8.00	1.0818	13.98	11.04	2.117
10.00	1.5565	17.04	12.81	2.459
12.00	1.9848	19.88	14.48	2.718
14.00	2.3915	22.59	16.09	2.928
16.00	2.7863	25.24	17.66	3.104
18.00	3.1738	27.85	19.22	3.258
20.00	3.5564	30.43	20.75	3.394
22.00	3.9357	32.99	22.28	3.516
24.00	4.3124	35.53	23.81	3.627
26.00	4.6873	38.07	25.32	3.728
28.00	5.0608	40.60	26.83	3.822
30.00	5.4330	43.12	28.34	3.909
32.00	5.8044	45.63	29.85	3.990
34.00	6.1750	48.15	31.35	4.066
36.00	6.5449	50.65	32.85	4.138
38.00	6.9143	53.16	34.36	4.205
40.00	7.2833	55.66	35.85	4.270
42.00	7.6518	58.16	37.35	4.331
44.00	8.0201	60.66	38.85	4.389
46.00	8.3880	63.16	40.35	4.444
48.00	8.7557	65.66	41.84	4.497
50.00	9.1232	68.15	43.34	4.548
52.00	9.4904	70.64	44.83	4.597
54.00	9.8575	73.14	46.33	4.644
56.00	10.2244	75.63	47.82	4.690
58.00	10.5912	78.12	49.31	4.733
60.00	10.9579	80.61	50.81	4.775
62.00	11.3245	83.10	52.30	4.816
64.00	11.6909	85.59	53.79	4.856
66.00	12.0573	88.08	55.28	4.894
68.00	12.4235	90.56	56.78	4.931
70.00	12.7897	93.05	58.27	4.967
72.00	13.1558	95.54	59.76	5.002
74.00	13.5219	98.03	61.25	5.036
76.00	13.8878	100.51	62.74	5.070
78.00	14.2538	103.00	64.23	5.102
80.00	14.6196	105.48	65.72	5.133
82.00	14.9855	107.97	67.21	5.164
84.00	15.3513	110.45	68.71	5.194
86.00	15.7170	112.94	70.20	5.223
88.00	16.0827	115.42	71.69	5.252
90.00	16.4484	117.91	73.18	5.280
92.00	16.8140	120.39	74.67	5.307
94.00	17.1796	122.88	76.16	5.334
96.00	17.5451	125.36	77.65	5.360
98.00	17.9107	127.85	79.14	5.385
100.00	18.2762	130.33	80.63	5.411
102.00	18.6417	132.81	82.12	5.435
104.00	19.0071	135.30	83.61	5.459
106.00	19.3726	137.78	85.10	5.483
108.00	19.7380	140.27	86.59	5.506
110.00	20.1034	142.75	88.08	5.529
112.00	20.4688	145.23	89.56	5.551
114.00	20.8341	147.71	91.05	5.573
116.00	21.1995	150.20	92.54	5.595
118.00	21.5648	152.68	94.03	5.616
120.00	21.9301	155.16	95.52	5.637
122.00	22.2954	157.65	97.01	5.657
124.00	22.6607	160.13	98.50	5.678
126.00	23.0260	162.61	99.99	5.697
128.00	23.3912	165.09	101.48	5.717
130.00	23.7565	167.58	102.97	5.736
132.00	24.1217	170.06	104.46	5.755
134.00	24.4869	172.54	105.95	5.774
136.00	24.8522	175.02	107.44	5.792
138.00	25.2174	177.51	108.92	5.810
140.00	25.5826	179.99	110.41	5.828
142.00	25.9477	182.47	111.90	5.846
144.00	26.3129	184.95	113.39	5.863
146.00	26.6781	187.43	114.88	5.880
148.00	27.0432	189.92	116.37	5.897
150.00	27.4084	192.40	117.86	5.914
152.00	27.7735	194.88	119.35	5.930
154.00	28.1387	197.36	120.84	5.947
156.00	28.5038	199.84	122.32	5.963
158.00	28.8689	202.33	123.81	5.978
160.00	29.2340	204.81	125.30	5.994
162.00	29.5991	207.29	126.79	6.009
164.00	29.9643	209.77	128.28	6.025
166.00	30.3294	212.25	129.77	6.040
168.00	30.6944	214.73	131.26	6.055
170.00	31.0595	217.22	132.75	6.069
172.00	31.4246	219.70	134.23	6.084
174.00	31.7897	222.18	135.72	6.098
176.00	32.1548	224.66	137.21	6.112
178.00	32.5198	227.14	138.70	6.126
180.00	32.8849	229.62	140.19	6.140
182.00	33.2500	232.10	141.68	6.154
184.00	33.6150	234.59	143.17	6.167
186.00	33.9801	237.07	144.65	6.181
188.00	34.3451	239.55	146.14	6.194
190.00	34.7102	242.03	147.63	6.207
192.00	35.0752	244.51	149.12	6.220
194.00	35.4402	246.99	150.61	6.233
196.00	35.8053	249.47	152.10	6.246
198.00	36.1703	251.96	153.59	6.258
200.00	36.5353	254.44	155.07	6.271
202.00	36.9003	256.92	156.56	6.283
204.00	37.2654	259.40	158.05	6.295
206.00	37.6304	261.88	159.54	6.307
208.00	37.9954	264.36	161.03	6.319
210.00	38.3604	266.84	162.52	6.331
212.00	38.7254	269.32	164.01	6.343
214.00	39.0904	271.80	165.49	6.355
216.00	39.4554	274.29	166.98	6.366
218.00	39.8204	276.77	168.47	6.378
220.00	40.1854	279.25	169.96	6.389
222.00	40.5504	281.73	171.45	6.400
224.00	40.9154	284.21	172.94	6.411
226.00	41.2804	286.69	174.42	6.422
228.00	41.6454	289.17	175.91	6.433
230.00	42.0104	291.65	177.40	6.444
232.00	42.3753	294.13	178.89	6.455
234.00	42.7403	296.62	180.38	6.466
236.00	43.1053	299.10	181.87	6.476
238.00	43.4703	301.58	183.36	6.487
240.00	43.8353	304.06	184.84	6.497
242.00	44.2002	306.54	186.33	6.507
244.00	44.5652	309.02	187.82	6.518
246.00	44.9302	311.50	189.31	6.528
248.00	45.2951	313.98	190.80	6.538
250.00	45.6601	316.46	192.29	6.548
252.00	46.0251	318.94	193.77	6.558
254.00	46.3900	321.43	195.26	6.567
256.00	46.7550	323.91	196.75	6.577
258.00	47.1200	326.39	198.24	6.587
260.00	47.4849	328.87	199.73	6.596

* PHASE CHANGE

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	47.8499	331.35	201.22	6.606	402.00	73.3946	505.00	305.39	7.137
264.00	48.2148	333.83	202.70	6.615	404.00	73.7595	507.48	306.88	7.143
266.00	48.5798	336.31	204.19	6.625	406.00	74.1244	509.96	308.37	7.149
268.00	48.9448	338.79	205.68	6.634	408.00	74.4893	512.44	309.86	7.155
270.00	49.3097	341.27	207.17	6.643	410.00	74.8542	514.92	311.35	7.161
272.00	49.6747	343.75	208.66	6.652	412.00	75.2191	517.40	312.83	7.167
274.00	50.0396	346.23	210.15	6.661	414.00	75.5840	519.88	314.32	7.173
276.00	50.4046	348.71	211.63	6.670	416.00	75.9489	522.36	315.81	7.179
278.00	50.7695	351.20	213.12	6.679	418.00	76.3138	524.84	317.30	7.185
280.00	51.1344	353.68	214.61	6.688	420.00	76.6787	527.32	318.79	7.191
282.00	51.4994	356.16	216.10	6.697	422.00	77.0436	529.80	320.28	7.197
284.00	51.8643	358.64	217.59	6.706	424.00	77.4085	532.28	321.76	7.203
286.00	52.2293	361.12	219.08	6.715	426.00	77.7734	534.77	323.25	7.209
288.00	52.5942	363.60	220.56	6.723	428.00	78.1383	537.25	324.74	7.215
290.00	52.9592	366.08	222.05	6.732	430.00	78.5032	539.73	326.23	7.220
292.00	53.3241	368.56	223.54	6.740	432.00	78.8681	542.21	327.72	7.226
294.00	53.6890	371.04	225.03	6.749	434.00	79.2330	544.69	329.20	7.232
296.00	54.0540	373.52	226.52	6.757	436.00	79.5979	547.17	330.69	7.238
298.00	54.4189	376.00	228.01	6.766	438.00	79.9628	549.65	332.18	7.243
300.00	54.7838	378.48	229.49	6.774	440.00	80.3277	552.13	333.67	7.249
302.00	55.1488	380.97	230.98	6.782	442.00	80.6926	554.61	335.16	7.254
304.00	55.5137	383.45	232.47	6.790	444.00	81.0575	557.09	336.65	7.260
306.00	55.8787	385.93	233.96	6.798	446.00	81.4224	559.57	338.13	7.266
308.00	56.2436	388.41	235.45	6.806	448.00	81.7873	562.05	339.62	7.271
310.00	56.6085	390.89	236.94	6.814	450.00	82.1522	564.53	341.11	7.277
312.00	56.9734	393.37	238.42	6.822	452.00	82.5171	567.01	342.60	7.282
314.00	57.3384	395.85	239.91	6.830	454.00	82.8820	569.49	344.09	7.288
316.00	57.7033	398.33	241.40	6.838	456.00	83.2469	571.97	345.57	7.293
318.00	58.0682	400.81	242.89	6.846	458.00	83.6118	574.45	347.06	7.299
320.00	58.4332	403.29	244.38	6.854	460.00	83.9767	576.93	348.55	7.304
322.00	58.7981	405.77	245.86	6.862	462.00	84.3416	579.42	350.04	7.309
324.00	59.1630	408.25	247.35	6.869	464.00	84.7065	581.90	351.53	7.315
326.00	59.5279	410.73	248.84	6.877	466.00	85.0714	584.38	353.02	7.320
328.00	59.8929	413.21	250.33	6.884	468.00	85.4362	586.86	354.50	7.325
330.00	60.2578	415.70	251.82	6.892	470.00	85.8011	589.34	355.99	7.331
332.00	60.6227	418.18	253.31	6.900	472.00	86.1660	591.82	357.48	7.336
334.00	60.9876	420.66	254.79	6.907	474.00	86.5309	594.30	358.97	7.341
336.00	61.3525	423.14	256.28	6.914	476.00	86.8958	596.78	360.46	7.346
338.00	61.7175	425.62	257.77	6.922	478.00	87.2607	599.26	361.94	7.352
340.00	62.0824	428.10	259.26	6.929	480.00	87.6256	601.74	363.43	7.357
342.00	62.4473	430.58	260.75	6.936	482.00	87.9905	604.22	364.92	7.362
344.00	62.8122	433.06	262.24	6.944	484.00	88.3554	606.70	366.41	7.367
346.00	63.1771	435.54	263.72	6.951	486.00	88.7203	609.18	367.90	7.372
348.00	63.5421	438.02	265.21	6.958	488.00	89.0852	611.66	369.39	7.377
350.00	63.9070	440.50	266.70	6.965	490.00	89.4501	614.14	370.87	7.382
352.00	64.2719	442.98	268.19	6.972	492.00	89.8149	616.62	372.36	7.387
354.00	64.6368	445.46	269.68	6.979	494.00	90.1798	619.10	373.85	7.392
356.00	65.0017	447.94	271.16	6.986	496.00	90.5447	621.58	375.34	7.397
358.00	65.3666	450.42	272.65	6.993	498.00	90.9096	624.07	376.83	7.402
360.00	65.7315	452.91	274.14	7.000	500.00	91.2745	626.55	378.31	7.407
362.00	66.0965	455.39	275.63	7.007	502.00	91.6394	629.03	379.80	7.412
364.00	66.4614	457.87	277.12	7.014	504.00	92.0043	631.51	381.29	7.417
366.00	66.8263	460.35	278.61	7.020	506.00	92.3692	633.99	382.78	7.422
368.00	67.1912	462.83	280.09	7.027	508.00	92.7341	636.47	384.27	7.427
370.00	67.5561	465.31	281.58	7.034	510.00	93.0989	638.95	385.76	7.432
372.00	67.9210	467.79	283.07	7.041	512.00	93.4638	641.43	387.24	7.437
374.00	68.2859	470.27	284.56	7.047	514.00	93.8287	643.91	388.73	7.442
376.00	68.6508	472.75	286.05	7.054	516.00	94.1936	646.39	390.22	7.446
378.00	69.0157	475.23	287.54	7.060	518.00	94.5585	648.87	391.71	7.451
380.00	69.3807	477.71	289.02	7.067	520.00	94.9234	651.35	393.20	7.456
382.00	69.7456	480.19	290.51	7.074	522.00	95.2883	653.83	394.68	7.461
384.00	70.1105	482.67	292.00	7.080	524.00	95.6532	656.31	396.17	7.466
386.00	70.4754	485.15	293.49	7.086	526.00	96.0180	658.79	397.66	7.470
388.00	70.8403	487.63	294.98	7.093	528.00	96.3829	661.27	399.15	7.475
390.00	71.2052	490.11	296.46	7.099	530.00	96.7478	663.75	400.64	7.480
392.00	71.5701	492.60	297.95	7.106	532.00	97.1127	666.23	402.13	7.484
394.00	71.9350	495.08	299.44	7.112	534.00	97.4776	668.71	403.61	7.489
396.00	72.2999	497.56	300.93	7.118	536.00	97.8425	671.19	405.10	7.494
398.00	72.6648	500.04	302.42	7.124	538.00	98.2074	673.68	406.59	7.498
400.00	73.0297	502.52	303.91	7.131	540.00	98.5723	676.16	408.08	7.503

20.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.1139	2.92	2.50	.616
8.00	.1313	4.84	4.35	.879
* 8.204	.1357	5.16	4.66	.924
* 8.204	.6840	13.09	10.56	1.885
10.00	1.0657	16.36	12.41	2.265
12.00	1.4027	19.37	14.18	2.540
14.00	1.7143	22.19	15.84	2.757
16.00	2.0130	24.91	17.46	2.939
18.00	2.3039	27.56	19.04	3.095
20.00	2.5899	30.18	20.60	3.233
22.00	2.8723	32.77	22.14	3.357
24.00	3.1523	35.34	23.67	3.468
26.00	3.4303	37.90	25.20	3.571
28.00	3.7069	40.44	26.72	3.665
30.00	3.9824	42.98	28.24	3.752
32.00	4.2569	45.51	29.75	3.834
34.00	4.5306	48.03	31.26	3.911
36.00	4.8038	50.55	32.77	3.983
38.00	5.0764	53.06	34.27	4.050
40.00	5.3485	55.57	35.78	4.115
42.00	5.6203	58.08	37.28	4.176
44.00	5.8917	60.59	38.78	4.234
46.00	6.1629	63.09	40.28	4.290
48.00	6.4338	65.59	41.78	4.343
50.00	6.7045	68.09	43.28	4.394
52.00	6.9749	70.59	44.77	4.443
54.00	7.2452	73.09	46.27	4.490
56.00	7.5154	75.58	47.77	4.536
58.00	7.7854	78.08	49.26	4.579
60.00	8.0553	80.57	50.76	4.622
62.00	8.3251	83.06	52.25	4.663
64.00	8.5947	85.55	53.74	4.702
66.00	8.8643	88.05	55.24	4.741
68.00	9.1338	90.54	56.73	4.778
70.00	9.4032	93.03	58.22	4.814
72.00	9.6726	95.52	59.72	4.849
74.00	9.9418	98.01	61.21	4.883
76.00	10.2111	100.49	62.70	4.916
78.00	10.4802	102.98	64.19	4.948
80.00	10.7493	105.47	65.69	4.980
82.00	11.0184	107.96	67.18	5.011
84.00	11.2874	110.44	68.67	5.041
86.00	11.5564	112.93	70.16	5.070
88.00	11.8253	115.42	71.65	5.098
90.00	12.0942	117.90	73.14	5.126
92.00	12.3630	120.39	74.63	5.154
94.00	12.6319	122.88	76.12	5.180
96.00	12.9007	125.36	77.61	5.207
98.00	13.1694	127.85	79.10	5.232
100.00	13.4382	130.33	80.60	5.257
102.00	13.7069	132.82	82.09	5.282
104.00	13.9756	135.30	83.58	5.306
106.00	14.2443	137.79	85.07	5.330
108.00	14.5129	140.27	86.56	5.353
110.00	14.7816	142.76	88.05	5.376
112.00	15.0502	145.24	89.54	5.398
114.00	15.3188	147.72	91.03	5.420
116.00	15.5874	150.21	92.52	5.442
118.00	15.8559	152.69	94.01	5.463
120.00	16.1245	155.18	95.50	5.484
122.00	16.3930	157.66	96.99	5.504
124.00	16.6615	160.14	98.48	5.525
126.00	16.9300	162.63	99.96	5.544
128.00	17.1985	165.11	101.45	5.564
130.00	17.4670	167.59	102.94	5.583
132.00	17.7355	170.08	104.43	5.602
134.00	18.0039	172.56	105.92	5.621
136.00	18.2724	175.04	107.41	5.639
138.00	18.5408	177.52	108.90	5.657
140.00	18.8093	180.01	110.39	5.675
142.00	19.0777	182.49	111.88	5.693
144.00	19.3461	184.97	113.37	5.710
146.00	19.6145	187.45	114.86	5.727
148.00	19.8829	189.94	116.35	5.744
150.00	20.1513	192.42	117.84	5.761
152.00	20.4197	194.90	119.33	5.777
154.00	20.6880	197.38	120.82	5.794
156.00	20.9564	199.87	122.30	5.810
158.00	21.2248	202.35	123.79	5.825
160.00	21.4931	204.83	125.28	5.841
162.00	21.7615	207.31	126.77	5.856
164.00	22.0298	209.80	128.26	5.872
166.00	22.2982	212.28	129.75	5.887
168.00	22.5665	214.76	131.24	5.902
170.00	22.8348	217.24	132.73	5.916
172.00	23.1031	219.72	134.22	5.931
174.00	23.3714	222.21	135.70	5.945
176.00	23.6398	224.69	137.19	5.959
178.00	23.9081	227.17	138.68	5.973
180.00	24.1764	229.65	140.17	5.987
182.00	24.4447	232.13	141.66	6.001
184.00	24.7129	234.62	143.15	6.014
186.00	24.9812	237.10	144.64	6.028
188.00	25.2495	239.58	146.13	6.041
190.00	25.5178	242.06	147.62	6.054
192.00	25.7861	244.54	149.10	6.067
194.00	26.0544	247.02	150.59	6.080
196.00	26.3226	249.51	152.08	6.093
198.00	26.5909	251.99	153.57	6.105
200.00	26.8592	254.47	155.06	6.118
202.00	27.1274	256.95	156.55	6.130
204.00	27.3957	259.43	158.04	6.142
206.00	27.6639	261.91	159.52	6.155
208.00	27.9322	264.39	161.01	6.167
210.00	28.2004	266.88	162.50	6.178
212.00	28.4687	269.36	163.99	6.190
214.00	28.7369	271.84	165.48	6.202
216.00	29.0052	274.32	166.97	6.213
218.00	29.2734	276.80	168.46	6.225
220.00	29.5416	279.28	169.95	6.236
222.00	29.8099	281.76	171.43	6.247
224.00	30.0781	284.25	172.92	6.258
226.00	30.3463	286.73	174.41	6.269
228.00	30.6145	289.21	175.90	6.280
230.00	30.8828	291.69	177.39	6.291
232.00	31.1510	294.17	178.88	6.302
234.00	31.4192	296.65	180.37	6.313
236.00	31.6874	299.13	181.85	6.323
238.00	31.9556	301.61	183.34	6.334
240.00	32.2239	304.10	184.83	6.344
242.00	32.4921	306.58	186.32	6.354
244.00	32.7603	309.06	187.81	6.365
246.00	33.0285	311.54	189.30	6.375
248.00	33.2967	314.02	190.78	6.385
250.00	33.5649	316.50	192.27	6.395
252.00	33.8331	318.98	193.76	6.405
254.00	34.1013	321.46	195.25	6.414
256.00	34.3695	323.95	196.74	6.424
258.00	34.6377	326.43	198.23	6.434
260.00	34.9059	328.91	199.72	6.443

* PHASE CHANGE

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	35.1741	331.39	201.20	6.453	402.00	53.9455	505.05	305.39	6.984
264.00	35.4423	333.87	202.69	6.462	404.00	54.2136	507.53	306.87	6.990
266.00	35.7105	336.35	204.18	6.472	406.00	54.4818	510.01	308.36	6.996
268.00	35.9787	338.83	205.67	6.481	408.00	54.7499	512.49	309.85	7.002
270.00	36.2469	341.31	207.16	6.490	410.00	55.0181	514.97	311.34	7.008
272.00	36.5151	343.79	208.65	6.499	412.00	55.2862	517.45	312.83	7.014
274.00	36.7832	346.27	210.13	6.508	414.00	55.5543	519.93	314.32	7.020
276.00	37.0514	348.76	211.62	6.517	416.00	55.8225	522.41	315.80	7.026
278.00	37.3196	351.24	213.11	6.526	418.00	56.0906	524.89	317.29	7.032
280.00	37.5878	353.72	214.60	6.535	420.00	56.3588	527.37	318.78	7.038
282.00	37.8560	356.20	216.09	6.544	422.00	56.6269	529.85	320.27	7.044
284.00	38.1242	358.68	217.58	6.553	424.00	56.8950	532.33	321.76	7.050
286.00	38.3923	361.16	219.06	6.562	426.00	57.1632	534.81	323.24	7.056
288.00	38.6605	363.64	220.55	6.570	428.00	57.4313	537.30	324.73	7.062
290.00	38.9287	366.12	222.04	6.579	430.00	57.6994	539.78	326.22	7.067
292.00	39.1969	368.60	223.53	6.587	432.00	57.9676	542.26	327.71	7.073
294.00	39.4651	371.08	225.02	6.596	434.00	58.2357	544.74	329.20	7.079
296.00	39.7332	373.57	226.51	6.604	436.00	58.5039	547.22	330.69	7.085
298.00	40.0014	376.05	227.99	6.613	438.00	58.7720	549.70	332.17	7.090
300.00	40.2696	378.53	229.48	6.621	440.00	59.0401	552.18	333.66	7.096
302.00	40.5378	381.01	230.97	6.629	442.00	59.3083	554.66	335.15	7.102
304.00	40.8059	383.49	232.46	6.637	444.00	59.5764	557.14	336.64	7.107
306.00	41.0741	385.97	233.95	6.645	446.00	59.8445	559.62	338.13	7.113
308.00	41.3423	388.45	235.44	6.654	448.00	60.1127	562.10	339.62	7.118
310.00	41.6104	390.93	236.93	6.662	450.00	60.3808	564.58	341.10	7.124
312.00	41.8786	393.41	238.41	6.670	452.00	60.6489	567.06	342.59	7.129
314.00	42.1468	395.89	239.90	6.677	454.00	60.9171	569.54	344.08	7.135
316.00	42.4149	398.37	241.39	6.685	456.00	61.1852	572.02	345.57	7.140
318.00	42.6831	400.86	242.88	6.693	458.00	61.4533	574.50	347.06	7.146
320.00	42.9513	403.34	244.37	6.701	460.00	61.7215	576.99	348.54	7.151
322.00	43.2194	405.82	245.85	6.709	462.00	61.9896	579.47	350.03	7.156
324.00	43.4876	408.30	247.34	6.716	464.00	62.2577	581.95	351.52	7.162
326.00	43.7558	410.78	248.83	6.724	466.00	62.5259	584.43	353.01	7.167
328.00	44.0239	413.26	250.32	6.732	468.00	62.7940	586.91	354.50	7.172
330.00	44.2921	415.74	251.81	6.739	470.00	63.0621	589.39	355.99	7.178
332.00	44.5602	418.22	253.30	6.747	472.00	63.3302	591.87	357.47	7.183
334.00	44.8284	420.70	254.78	6.754	474.00	63.5984	594.35	358.96	7.188
336.00	45.0966	423.18	256.27	6.761	476.00	63.8665	596.83	360.45	7.193
338.00	45.3647	425.66	257.76	6.769	478.00	64.1346	599.31	361.94	7.199
340.00	45.6329	428.14	259.25	6.776	480.00	64.4028	601.79	363.43	7.204
342.00	45.9010	430.62	260.74	6.783	482.00	64.6709	604.27	364.91	7.209
344.00	46.1692	433.11	262.23	6.791	484.00	64.9390	606.75	366.40	7.214
346.00	46.4374	435.59	263.71	6.798	486.00	65.2072	609.23	367.89	7.219
348.00	46.7055	438.07	265.20	6.805	488.00	65.4753	611.71	369.38	7.224
350.00	46.9737	440.55	266.69	6.812	490.00	65.7434	614.19	370.87	7.229
352.00	47.2418	443.03	268.18	6.819	492.00	66.0115	616.67	372.36	7.234
354.00	47.5100	445.51	269.67	6.826	494.00	66.2797	619.16	373.84	7.240
356.00	47.7781	447.99	271.16	6.833	496.00	66.5478	621.64	375.33	7.245
358.00	48.0463	450.47	272.64	6.840	498.00	66.8159	624.12	376.82	7.250
360.00	48.3144	452.95	274.13	6.847	500.00	67.0841	626.60	378.31	7.254
362.00	48.5826	455.43	275.62	6.854	502.00	67.3522	629.08	379.80	7.259
364.00	48.8507	457.91	277.11	6.861	504.00	67.6203	631.56	381.28	7.264
366.00	49.1189	460.39	278.60	6.868	506.00	67.8884	634.04	382.77	7.269
368.00	49.3870	462.87	280.09	6.874	508.00	68.1566	636.52	384.26	7.274
370.00	49.6552	465.36	281.57	6.881	510.00	68.4247	639.00	385.75	7.279
372.00	49.9233	467.84	283.06	6.888	512.00	68.6928	641.48	387.24	7.284
374.00	50.1915	470.32	284.55	6.894	514.00	68.9609	643.96	388.73	7.289
376.00	50.4596	472.80	286.04	6.901	516.00	69.2291	646.44	390.21	7.294
378.00	50.7278	475.28	287.53	6.908	518.00	69.4972	648.92	391.70	7.298
380.00	50.9959	477.76	289.02	6.914	520.00	69.7653	651.40	393.19	7.303
382.00	51.2641	480.24	290.50	6.921	522.00	70.0334	653.88	394.68	7.308
384.00	51.5322	482.72	291.99	6.927	524.00	70.3016	656.36	396.17	7.313
386.00	51.8004	485.20	293.48	6.934	526.00	70.5697	658.84	397.65	7.317
388.00	52.0685	487.68	294.97	6.940	528.00	70.8378	661.32	399.14	7.322
390.00	52.3366	490.16	296.46	6.946	530.00	71.1059	663.81	400.63	7.327
392.00	52.6048	492.64	297.94	6.953	532.00	71.3741	666.29	402.12	7.331
394.00	52.8729	495.12	299.43	6.959	534.00	71.6422	668.77	403.61	7.336
396.00	53.1411	497.60	300.92	6.965	536.00	71.9103	671.25	405.10	7.341
398.00	53.4092	500.09	302.41	6.971	538.00	72.1784	673.73	406.58	7.345
400.00	53.6774	502.57	303.90	6.978	540.00	72.4466	676.21	408.07	7.350

30.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.1124	3.08	2.45	.607
8.00	.1267	4.87	4.16	.853
* 9.106	.1660	7.20	6.28	1.137
* 9.106	.3475	11.74	9.81	1.627
10.00	.6013	14.88	11.54	1.968
12.00	.8635	18.36	13.57	2.287
14.00	1.0894	21.41	15.37	2.522
16.00	1.2998	24.27	17.06	2.713
18.00	1.5017	27.03	18.69	2.875
20.00	1.6983	29.72	20.29	3.017
22.00	1.8913	32.37	21.87	3.143
24.00	2.0817	34.98	23.43	3.257
26.00	2.2703	37.58	24.97	3.361
28.00	2.4573	40.16	26.51	3.457
30.00	2.6433	42.72	28.04	3.545
32.00	2.8283	45.27	29.57	3.627
34.00	3.0126	47.82	31.09	3.705
36.00	3.1963	50.35	32.61	3.777
38.00	3.3794	52.88	34.12	3.845
40.00	3.5621	55.41	35.63	3.910
42.00	3.7445	57.93	37.14	3.972
44.00	3.9265	60.45	38.65	4.030
46.00	4.1082	62.96	40.15	4.086
48.00	4.2897	65.47	41.66	4.140
50.00	4.4709	67.98	43.16	4.191
52.00	4.6520	70.49	44.66	4.240
54.00	4.8329	72.99	46.16	4.287
56.00	5.0136	75.50	47.66	4.333
58.00	5.1943	78.00	49.16	4.377
60.00	5.3748	80.50	50.66	4.419
62.00	5.5551	83.00	52.16	4.460
64.00	5.7354	85.49	53.65	4.500
66.00	5.9156	87.99	55.15	4.538
68.00	6.0957	90.49	56.64	4.575
70.00	6.2757	92.98	58.14	4.611
72.00	6.4557	95.48	59.64	4.647
74.00	6.6356	97.97	61.13	4.681
76.00	6.8154	100.46	62.62	4.714
78.00	6.9952	102.95	64.12	4.746
80.00	7.1749	105.45	65.61	4.778
82.00	7.3546	107.94	67.11	4.809
84.00	7.5342	110.43	68.60	4.839
86.00	7.7138	112.92	70.09	4.868
88.00	7.8934	115.41	71.58	4.897
90.00	8.0729	117.90	73.08	4.925
92.00	8.2524	120.38	74.57	4.952
94.00	8.4318	122.87	76.06	4.979
96.00	8.6112	125.36	77.55	5.005
98.00	8.7906	127.85	79.04	5.030
100.00	8.9700	130.34	80.54	5.056
102.00	9.1493	132.82	82.03	5.080
104.00	9.3287	135.31	83.52	5.104
106.00	9.5080	137.80	85.01	5.128
108.00	9.6872	140.28	86.50	5.151
110.00	9.8665	142.77	87.99	5.174
112.00	10.0458	145.26	89.48	5.196
114.00	10.2250	147.74	90.97	5.218
116.00	10.4042	150.23	92.47	5.240
118.00	10.5834	152.71	93.96	5.261
120.00	10.7626	155.20	95.45	5.282
122.00	10.9417	157.68	96.94	5.303
124.00	11.1209	160.17	98.43	5.323
126.00	11.3000	162.65	99.92	5.343
128.00	11.4791	165.14	101.41	5.362
130.00	11.6582	167.62	102.90	5.382
132.00	11.8373	170.11	104.39	5.401
134.00	12.0164	172.59	105.88	5.419
136.00	12.1955	175.07	107.37	5.438
138.00	12.3746	177.56	108.86	5.456
140.00	12.5536	180.04	110.35	5.474
142.00	12.7327	182.53	111.84	5.491
144.00	12.9117	185.01	113.33	5.509
146.00	13.0908	187.49	114.82	5.526
148.00	13.2698	189.98	116.31	5.543
150.00	13.4488	192.46	117.80	5.559
152.00	13.6278	194.95	119.29	5.576
154.00	13.8068	197.43	120.78	5.592
156.00	13.9858	199.91	122.27	5.608
158.00	14.1648	202.40	123.76	5.624
160.00	14.3438	204.88	125.25	5.640
162.00	14.5228	207.36	126.73	5.655
164.00	14.7018	209.84	128.22	5.670
166.00	14.8807	212.33	129.71	5.685
168.00	15.0597	214.81	131.20	5.700
170.00	15.2386	217.29	132.69	5.715
172.00	15.4176	219.78	134.18	5.729
174.00	15.5965	222.26	135.67	5.744
176.00	15.7755	224.74	137.16	5.758
178.00	15.9544	227.22	138.65	5.772
180.00	16.1334	229.71	140.14	5.786
182.00	16.3123	232.19	141.63	5.799
184.00	16.4912	234.67	143.12	5.813
186.00	16.6701	237.15	144.61	5.826
188.00	16.8490	239.64	146.10	5.840
190.00	17.0280	242.12	147.58	5.853
192.00	17.2069	244.60	149.07	5.866
194.00	17.3858	247.08	150.56	5.879
196.00	17.5647	249.57	152.05	5.891
198.00	17.7436	252.05	153.54	5.904
200.00	17.9225	254.53	155.03	5.917
202.00	18.1014	257.01	156.52	5.929
204.00	18.2802	259.49	158.01	5.941
206.00	18.4591	261.98	159.50	5.953
208.00	18.6380	264.46	160.99	5.965
210.00	18.8169	266.94	162.47	5.977
212.00	18.9958	269.42	163.96	5.989
214.00	19.1746	271.90	165.45	6.001
216.00	19.3535	274.39	166.94	6.012
218.00	19.5324	276.87	168.43	6.023
220.00	19.7113	279.35	169.92	6.035
222.00	19.8901	281.83	171.41	6.046
224.00	20.0690	284.31	172.90	6.057
226.00	20.2478	286.80	174.38	6.068
228.00	20.4267	289.28	175.87	6.079
230.00	20.6056	291.76	177.36	6.090
232.00	20.7844	294.24	178.85	6.101
234.00	20.9633	296.72	180.34	6.111
236.00	21.1421	299.20	181.83	6.122
238.00	21.3210	301.69	183.32	6.132
240.00	21.4998	304.17	184.81	6.143
242.00	21.6787	306.65	186.29	6.153
244.00	21.8575	309.13	187.78	6.163
246.00	22.0363	311.61	189.27	6.173
248.00	22.2152	314.09	190.76	6.183
250.00	22.3940	316.57	192.25	6.193
252.00	22.5728	319.06	193.74	6.203
254.00	22.7517	321.54	195.23	6.213
256.00	22.9305	324.02	196.72	6.223
258.00	23.1093	326.50	198.20	6.233
260.00	23.2882	328.98	199.69	6.242

* PHASE CHANGE

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	23.4670	331.46	201.18	6.252	402.00	35.9827	505.14	305.37	6.783
264.00	23.6458	333.95	202.67	6.261	404.00	36.1615	507.62	306.86	6.789
266.00	23.8247	336.43	204.16	6.270	406.00	36.3402	510.10	308.35	6.795
268.00	24.0035	338.91	205.65	6.280	408.00	36.5190	512.58	309.84	6.801
270.00	24.1823	341.39	207.14	6.289	410.00	36.6978	515.06	311.32	6.807
272.00	24.3611	343.87	208.62	6.298	412.00	36.8766	517.54	312.81	6.813
274.00	24.5399	346.35	210.11	6.307	414.00	37.0553	520.02	314.30	6.819
276.00	24.7188	348.83	211.60	6.316	416.00	37.2341	522.50	315.79	6.825
278.00	24.8976	351.31	213.09	6.325	418.00	37.4129	524.98	317.28	6.831
280.00	25.0764	353.80	214.58	6.334	420.00	37.5916	527.46	318.77	6.837
282.00	25.2552	356.28	216.07	6.343	422.00	37.7704	529.95	320.25	6.843
284.00	25.4340	358.76	217.56	6.352	424.00	37.9492	532.43	321.74	6.849
286.00	25.6128	361.24	219.04	6.360	426.00	38.1280	534.91	323.23	6.855
288.00	25.7917	363.72	220.53	6.369	428.00	38.3067	537.39	324.72	6.860
290.00	25.9705	366.20	222.02	6.378	430.00	38.4855	539.87	326.21	6.866
292.00	26.1493	368.68	223.51	6.386	432.00	38.6643	542.35	327.70	6.872
294.00	26.3281	371.16	225.00	6.395	434.00	38.8430	544.83	329.18	6.878
296.00	26.5069	373.65	226.49	6.403	436.00	39.0218	547.31	330.67	6.883
298.00	26.6857	376.13	227.97	6.411	438.00	39.2006	549.79	332.16	6.889
300.00	26.8645	378.61	229.46	6.420	440.00	39.3793	552.27	333.65	6.895
302.00	27.0433	381.09	230.95	6.428	442.00	39.5581	554.75	335.14	6.900
304.00	27.2221	383.57	232.44	6.436	444.00	39.7369	557.23	336.63	6.906
306.00	27.4009	386.05	233.93	6.444	446.00	39.9156	559.71	338.11	6.912
308.00	27.5797	388.53	235.42	6.452	448.00	40.0944	562.20	339.60	6.917
310.00	27.7585	391.01	236.91	6.460	450.00	40.2732	564.68	341.09	6.923
312.00	27.9373	393.49	238.39	6.468	452.00	40.4519	567.16	342.58	6.928
314.00	28.1161	395.98	239.88	6.476	454.00	40.6307	569.64	344.07	6.934
316.00	28.2949	398.46	241.37	6.484	456.00	40.8095	572.12	345.55	6.939
318.00	28.4737	400.94	242.86	6.492	458.00	40.9882	574.60	347.04	6.944
320.00	28.6525	403.42	244.35	6.500	460.00	41.1670	577.08	348.53	6.950
322.00	28.8313	405.90	245.84	6.507	462.00	41.3458	579.56	350.02	6.955
324.00	29.0101	408.38	247.32	6.515	464.00	41.5245	582.04	351.51	6.961
326.00	29.1889	410.86	248.81	6.523	466.00	41.7033	584.52	353.00	6.966
328.00	29.3677	413.34	250.30	6.530	468.00	41.8821	587.00	354.48	6.971
330.00	29.5465	415.82	251.79	6.538	470.00	42.0608	589.48	355.97	6.977
332.00	29.7253	418.31	253.28	6.545	472.00	42.2396	591.96	357.46	6.982
334.00	29.9041	420.79	254.77	6.553	474.00	42.4183	594.44	358.95	6.987
336.00	30.0829	423.27	256.26	6.560	476.00	42.5971	596.93	360.44	6.992
338.00	30.2617	425.75	257.74	6.568	478.00	42.7759	599.41	361.93	6.997
340.00	30.4405	428.23	259.23	6.575	480.00	42.9546	601.89	363.41	7.003
342.00	30.6192	430.71	260.72	6.582	482.00	43.1334	604.37	364.90	7.008
344.00	30.7980	433.19	262.21	6.589	484.00	43.3122	606.85	366.39	7.013
346.00	30.9768	435.67	263.70	6.597	486.00	43.4909	609.33	367.88	7.018
348.00	31.1556	438.15	265.19	6.604	488.00	43.6697	611.81	369.37	7.023
350.00	31.3344	440.63	266.67	6.611	490.00	43.8484	614.29	370.86	7.028
352.00	31.5132	443.12	268.16	6.618	492.00	44.0272	616.77	372.34	7.033
354.00	31.6920	445.60	269.65	6.625	494.00	44.2060	619.25	373.83	7.038
356.00	31.8708	448.08	271.14	6.632	496.00	44.3847	621.73	375.32	7.043
358.00	32.0495	450.56	272.63	6.639	498.00	44.5635	624.21	376.81	7.048
360.00	32.2283	453.04	274.12	6.646	500.00	44.7422	626.69	378.30	7.053
362.00	32.4071	455.52	275.60	6.653	502.00	44.9210	629.17	379.78	7.058
364.00	32.5859	458.00	277.09	6.660	504.00	45.0998	631.65	381.27	7.063
366.00	32.7647	460.48	278.58	6.666	506.00	45.2785	634.14	382.76	7.068
368.00	32.9435	462.96	280.07	6.673	508.00	45.4573	636.62	384.25	7.073
370.00	33.1222	465.44	281.56	6.680	510.00	45.6360	639.10	385.74	7.078
372.00	33.3010	467.92	283.05	6.686	512.00	45.8148	641.58	387.23	7.083
374.00	33.4798	470.41	284.53	6.693	514.00	45.9936	644.06	388.71	7.088
376.00	33.6586	472.89	286.02	6.700	516.00	46.1723	646.54	390.20	7.092
378.00	33.8374	475.37	287.51	6.706	518.00	46.3511	649.02	391.69	7.097
380.00	34.0161	477.85	289.00	6.713	520.00	46.5298	651.50	393.18	7.102
382.00	34.1949	480.33	290.49	6.719	522.00	46.7086	653.98	394.67	7.107
384.00	34.3737	482.81	291.98	6.726	524.00	46.8874	656.46	396.16	7.111
386.00	34.5525	485.29	293.46	6.732	526.00	47.0661	658.94	397.64	7.116
388.00	34.7313	487.77	294.95	6.739	528.00	47.2449	661.42	399.13	7.121
390.00	34.9100	490.25	296.44	6.745	530.00	47.4236	663.90	400.62	7.126
392.00	35.0888	492.73	297.93	6.751	532.00	47.6024	666.38	402.11	7.130
394.00	35.2676	495.21	299.42	6.758	534.00	47.7811	668.86	403.60	7.135
396.00	35.4464	497.69	300.91	6.764	536.00	47.9599	671.34	405.08	7.140
398.00	35.6251	500.18	302.39	6.770	538.00	48.1387	673.83	406.57	7.144
400.00	35.8039	502.66	303.88	6.777	540.00	48.3174	676.31	408.06	7.149

40.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.1111	3.24	2.41	.599
8.00	.1234	4.94	4.03	.833
10.00	.3420	12.28	9.75	1.617
12.00	.5923	17.27	12.89	2.086
14.00	.7775	20.61	14.86	2.344
16.00	.9443	23.64	16.65	2.545
18.00	1.1017	26.50	18.34	2.714
20.00	1.2536	29.26	19.99	2.860
22.00	1.4018	31.97	21.59	2.989
24.00	1.5474	34.63	23.18	3.105
26.00	1.6911	37.27	24.75	3.210
28.00	1.8333	39.87	26.30	3.307
30.00	1.9745	42.47	27.85	3.396
32.00	2.1147	45.04	29.39	3.479
34.00	2.2542	47.61	30.92	3.557
36.00	2.3931	50.16	32.45	3.630
38.00	2.5314	52.71	33.97	3.699
40.00	2.6694	55.25	35.49	3.764
42.00	2.8070	57.78	37.00	3.826
44.00	2.9442	60.31	38.52	3.885
46.00	3.0812	62.84	40.03	3.941
48.00	3.2179	65.36	41.54	3.994
50.00	3.3545	67.88	43.04	4.046
52.00	3.4908	70.39	44.55	4.095
54.00	3.6270	72.90	46.05	4.143
56.00	3.7630	75.41	47.56	4.188
58.00	3.8989	77.92	49.06	4.232
60.00	4.0347	80.43	50.56	4.275
62.00	4.1704	82.93	52.06	4.316
64.00	4.3059	85.44	53.56	4.356
66.00	4.4414	87.94	55.06	4.394
68.00	4.5768	90.44	56.56	4.431
70.00	4.7121	92.94	58.06	4.468
72.00	4.8474	95.44	59.55	4.503
74.00	4.9826	97.93	61.05	4.537
76.00	5.1177	100.43	62.55	4.570
78.00	5.2528	102.93	64.04	4.603
80.00	5.3878	105.42	65.54	4.634
82.00	5.5228	107.92	67.03	4.665
84.00	5.6577	110.41	68.53	4.695
86.00	5.7926	112.90	70.02	4.724
88.00	5.9275	115.40	71.52	4.753
90.00	6.0623	117.89	73.01	4.781
92.00	6.1971	120.38	74.51	4.808
94.00	6.3319	122.87	76.00	4.835
96.00	6.4666	125.36	77.49	4.861
98.00	6.6013	127.85	78.99	4.887
100.00	6.7360	130.34	80.48	4.912
102.00	6.8706	132.83	81.97	4.937
104.00	7.0053	135.32	83.46	4.961
106.00	7.1399	137.81	84.96	4.985
108.00	7.2745	140.30	86.45	5.008
110.00	7.4090	142.78	87.94	5.031
112.00	7.5436	145.27	89.43	5.053
114.00	7.6781	147.76	90.92	5.075
116.00	7.8127	150.25	92.41	5.097
118.00	7.9472	152.73	93.91	5.118
120.00	8.0816	155.22	95.40	5.139
122.00	8.2161	157.71	96.89	5.160
124.00	8.3506	160.19	98.38	5.180
126.00	8.4850	162.68	99.87	5.200
128.00	8.6195	165.17	101.36	5.219
130.00	8.7539	167.65	102.85	5.239
132.00	8.8883	170.14	104.34	5.258
134.00	9.0227	172.62	105.83	5.276
136.00	9.1571	175.11	107.33	5.295
138.00	9.2915	177.59	108.82	5.313
140.00	9.4259	180.08	110.31	5.331
142.00	9.5602	182.56	111.80	5.348
144.00	9.6946	185.05	113.29	5.366
146.00	9.8289	187.53	114.78	5.383
148.00	9.9633	190.02	116.27	5.400
150.00	10.0976	192.50	117.76	5.416
152.00	10.2319	194.99	119.25	5.433
154.00	10.3663	197.47	120.74	5.449
156.00	10.5006	199.96	122.23	5.465
158.00	10.6349	202.44	123.72	5.481
160.00	10.7692	204.93	125.21	5.497
162.00	10.9035	207.41	126.70	5.512
164.00	11.0378	209.89	128.19	5.527
166.00	11.1720	212.38	129.68	5.542
168.00	11.3063	214.86	131.17	5.557
170.00	11.4406	217.34	132.66	5.572
172.00	11.5749	219.83	134.15	5.586
174.00	11.7091	222.31	135.64	5.601
176.00	11.8434	224.79	137.13	5.615
178.00	11.9776	227.28	138.62	5.629
180.00	12.1119	229.76	140.11	5.643
182.00	12.2461	232.24	141.60	5.657
184.00	12.3804	234.73	143.08	5.670
186.00	12.5146	237.21	144.57	5.684
188.00	12.6488	239.69	146.06	5.697
190.00	12.7830	242.18	147.55	5.710
192.00	12.9173	244.66	149.04	5.723
194.00	13.0515	247.14	150.53	5.736
196.00	13.1857	249.63	152.02	5.749
198.00	13.3199	252.11	153.51	5.761
200.00	13.4541	254.59	155.00	5.774
202.00	13.5883	257.07	156.49	5.786
204.00	13.7225	259.56	157.98	5.798
206.00	13.8567	262.04	159.47	5.810
208.00	13.9909	264.52	160.96	5.822
210.00	14.1251	267.00	162.45	5.834
212.00	14.2593	269.49	163.93	5.846
214.00	14.3935	271.97	165.42	5.858
216.00	14.5277	274.45	166.91	5.869
218.00	14.6619	276.93	168.40	5.881
220.00	14.7961	279.42	169.89	5.892
222.00	14.9303	281.90	171.38	5.903
224.00	15.0644	284.38	172.87	5.914
226.00	15.1986	286.86	174.36	5.925
228.00	15.3328	289.35	175.85	5.936
230.00	15.4670	291.83	177.34	5.947
232.00	15.6011	294.31	178.83	5.958
234.00	15.7353	296.79	180.31	5.969
236.00	15.8695	299.27	181.80	5.979
238.00	16.0036	301.76	183.29	5.990
240.00	16.1378	304.24	184.78	6.000
242.00	16.2720	306.72	186.27	6.010
244.00	16.4061	309.20	187.76	6.020
246.00	16.5403	311.68	189.25	6.031
248.00	16.6744	314.17	190.74	6.041
250.00	16.8086	316.65	192.23	6.051
252.00	16.9427	319.13	193.71	6.061
254.00	17.0769	321.61	195.20	6.070
256.00	17.2110	324.09	196.69	6.080
258.00	17.3452	326.58	198.18	6.090
260.00	17.4793	329.06	199.67	6.099

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	17.6135	331.54	201.16	6.109	402.00	27.0013	505.23	305.36	6.640
264.00	17.7476	334.02	202.65	6.118	404.00	27.1354	507.71	306.84	6.646
266.00	17.8818	336.50	204.14	6.128	406.00	27.2695	510.19	308.33	6.652
268.00	18.0159	338.98	205.62	6.137	408.00	27.4036	512.67	309.82	6.658
270.00	18.1500	341.47	207.11	6.146	410.00	27.5376	515.15	311.31	6.664
272.00	18.2842	343.95	208.60	6.155	412.00	27.6717	517.63	312.80	6.670
274.00	18.4183	346.43	210.09	6.164	414.00	27.8058	520.11	314.29	6.676
276.00	18.5524	348.91	211.58	6.173	416.00	27.9399	522.59	315.77	6.682
278.00	18.6866	351.39	213.07	6.182	418.00	28.0740	525.08	317.26	6.688
280.00	18.8207	353.87	214.56	6.191	420.00	28.2081	527.56	318.75	6.694
282.00	18.9548	356.36	216.05	6.200	422.00	28.3422	530.04	320.24	6.700
284.00	19.0890	358.84	217.53	6.209	424.00	28.4763	532.52	321.73	6.706
286.00	19.2231	361.32	219.02	6.218	426.00	28.6103	535.00	323.22	6.712
288.00	19.3572	363.80	220.51	6.226	428.00	28.7444	537.48	324.71	6.718
290.00	19.4914	366.28	222.00	6.235	430.00	28.8785	539.96	326.19	6.723
292.00	19.6255	368.76	223.49	6.243	432.00	29.0126	542.44	327.68	6.729
294.00	19.7596	371.24	224.98	6.252	434.00	29.1467	544.92	329.17	6.735
296.00	19.8937	373.73	226.47	6.260	436.00	29.2808	547.40	330.66	6.741
298.00	20.0279	376.21	227.95	6.269	438.00	29.4149	549.88	332.15	6.746
300.00	20.1620	378.69	229.44	6.277	440.00	29.5489	552.37	333.64	6.752
302.00	20.2961	381.17	230.93	6.285	442.00	29.6830	554.85	335.12	6.758
304.00	20.4302	383.65	232.42	6.293	444.00	29.8171	557.33	336.61	6.763
306.00	20.5643	386.13	233.91	6.301	446.00	29.9512	559.81	338.10	6.769
308.00	20.6985	388.61	235.40	6.309	448.00	30.0853	562.29	339.59	6.774
310.00	20.8326	391.10	236.89	6.318	450.00	30.2194	564.77	341.08	6.780
312.00	20.9667	393.58	238.38	6.326	452.00	30.3534	567.25	342.57	6.785
314.00	21.1008	396.06	239.86	6.333	454.00	30.4875	569.73	344.05	6.791
316.00	21.2349	398.54	241.35	6.341	456.00	30.6216	572.21	345.54	6.796
318.00	21.3690	401.02	242.84	6.349	458.00	30.7557	574.69	347.03	6.802
320.00	21.5032	403.50	244.33	6.357	460.00	30.8898	577.17	348.52	6.807
322.00	21.6373	405.98	245.82	6.365	462.00	31.0238	579.65	350.01	6.812
324.00	21.7714	408.47	247.31	6.372	464.00	31.1579	582.14	351.50	6.818
326.00	21.9055	410.95	248.80	6.380	466.00	31.2920	584.62	352.98	6.823
328.00	22.0396	413.43	250.28	6.388	468.00	31.4261	587.10	354.47	6.828
330.00	22.1737	415.91	251.77	6.395	470.00	31.5602	589.58	355.96	6.834
332.00	22.3078	418.39	253.26	6.403	472.00	31.6942	592.06	357.45	6.839
334.00	22.4419	420.87	254.75	6.410	474.00	31.8283	594.54	358.94	6.844
336.00	22.5760	423.35	256.24	6.417	476.00	31.9624	597.02	360.42	6.850
338.00	22.7101	425.83	257.73	6.425	478.00	32.0965	599.50	361.91	6.855
340.00	22.8442	428.31	259.21	6.432	480.00	32.2306	601.98	363.40	6.860
342.00	22.9784	430.80	260.70	6.439	482.00	32.3646	604.46	364.89	6.865
344.00	23.1125	433.28	262.19	6.447	484.00	32.4987	606.94	366.38	6.870
346.00	23.2466	435.76	263.68	6.454	486.00	32.6328	609.42	367.87	6.875
348.00	23.3807	438.24	265.17	6.461	488.00	32.7669	611.91	369.35	6.880
350.00	23.5148	440.72	266.66	6.468	490.00	32.9010	614.39	370.84	6.885
352.00	23.6489	443.20	268.15	6.475	492.00	33.0350	616.87	372.33	6.891
354.00	23.7830	445.68	269.63	6.482	494.00	33.1691	619.35	373.82	6.896
356.00	23.9171	448.16	271.12	6.489	496.00	33.3032	621.83	375.31	6.901
358.00	24.0512	450.65	272.61	6.496	498.00	33.4373	624.31	376.80	6.906
360.00	24.1853	453.13	274.10	6.503	500.00	33.5713	626.79	378.28	6.911
362.00	24.3194	455.61	275.59	6.510	502.00	33.7054	629.27	379.77	6.915
364.00	24.4535	458.09	277.08	6.517	504.00	33.8395	631.75	381.26	6.920
366.00	24.5876	460.57	278.56	6.524	506.00	33.9736	634.23	382.75	6.925
368.00	24.7217	463.05	280.05	6.530	508.00	34.1076	636.71	384.24	6.930
370.00	24.8558	465.53	281.54	6.537	510.00	34.2417	639.19	385.73	6.935
372.00	24.9899	468.01	283.03	6.544	512.00	34.3758	641.67	387.21	6.940
374.00	25.1240	470.49	284.52	6.550	514.00	34.5099	644.16	388.70	6.945
376.00	25.2581	472.98	286.01	6.557	516.00	34.6439	646.64	390.19	6.950
378.00	25.3922	475.46	287.50	6.564	518.00	34.7780	649.12	391.68	6.954
380.00	25.5263	477.94	288.98	6.570	520.00	34.9121	651.60	393.17	6.959
382.00	25.6604	480.42	290.47	6.577	522.00	35.0462	654.08	394.66	6.964
384.00	25.7944	482.90	291.96	6.583	524.00	35.1802	656.56	396.14	6.969
386.00	25.9285	485.38	293.45	6.590	526.00	35.3143	659.04	397.63	6.973
388.00	26.0626	487.86	294.94	6.596	528.00	35.4484	661.52	399.12	6.978
390.00	26.1967	490.34	296.43	6.602	530.00	35.5825	664.00	400.61	6.983
392.00	26.3308	492.82	297.91	6.609	532.00	35.7165	666.48	402.10	6.987
394.00	26.4649	495.30	299.40	6.615	534.00	35.8506	668.96	403.58	6.992
396.00	26.5990	497.79	300.89	6.621	536.00	35.9847	671.44	405.07	6.997
398.00	26.7331	500.27	302.38	6.628	538.00	36.1188	673.92	406.56	7.001
400.00	26.8672	502.75	303.87	6.634	540.00	36.2528	676.40	408.05	7.006

50.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.1099	3.40	2.38	.592
8.00	.1208	5.04	3.92	.817
10.00	.1590	8.19	6.72	1.168
12.00	.4284	16.08	12.11	1.908
14.00	.5913	19.79	14.32	2.196
16.00	.7321	23.00	16.22	2.409
18.00	.8628	25.97	17.99	2.585
20.00	.9878	28.82	19.68	2.735
22.00	1.1090	31.58	21.32	2.866
24.00	1.2276	34.29	22.93	2.984
26.00	1.3443	36.96	24.52	3.091
28.00	1.4596	39.60	26.10	3.189
30.00	1.5737	42.22	27.66	3.279
32.00	1.6870	44.82	29.21	3.363
34.00	1.7996	47.40	30.75	3.442
36.00	1.9116	49.97	32.29	3.515
38.00	2.0230	52.54	33.82	3.584
40.00	2.1341	55.09	35.34	3.650
42.00	2.2448	57.64	36.87	3.712
44.00	2.3552	60.18	38.39	3.771
46.00	2.4653	62.71	39.90	3.827
48.00	2.5752	65.25	41.42	3.881
50.00	2.6848	67.77	42.93	3.933
52.00	2.7943	70.30	44.44	3.982
54.00	2.9037	72.82	45.95	4.030
56.00	3.0129	75.33	47.46	4.076
58.00	3.1219	77.85	48.96	4.120
60.00	3.2308	80.36	50.47	4.162
62.00	3.3397	82.87	51.97	4.204
64.00	3.4484	85.38	53.47	4.243
66.00	3.5571	87.89	54.97	4.282
68.00	3.6656	90.39	56.47	4.319
70.00	3.7741	92.90	57.98	4.356
72.00	3.8825	95.40	59.47	4.391
74.00	3.9909	97.90	60.97	4.425
76.00	4.0992	100.40	62.47	4.459
78.00	4.2075	102.90	63.97	4.491
80.00	4.3157	105.40	65.47	4.523
82.00	4.4238	107.90	66.96	4.554
84.00	4.5319	110.39	68.46	4.584
86.00	4.6400	112.89	69.96	4.613
88.00	4.7481	115.39	71.45	4.642
90.00	4.8561	117.88	72.95	4.670
92.00	4.9640	120.37	74.44	4.697
94.00	5.0720	122.87	75.94	4.724
96.00	5.1799	125.36	77.43	4.750
98.00	5.2878	127.85	78.93	4.776
100.00	5.3956	130.35	80.42	4.801
102.00	5.5035	132.84	81.91	4.826
104.00	5.6113	135.33	83.41	4.850
106.00	5.7191	137.82	84.90	4.874
108.00	5.8269	140.31	86.39	4.897
110.00	5.9346	142.80	87.89	4.920
112.00	6.0424	145.29	89.38	4.942
114.00	6.1501	147.78	90.87	4.964
116.00	6.2578	150.27	92.36	4.986
118.00	6.3655	152.76	93.86	5.007
120.00	6.4731	155.24	95.35	5.028
122.00	6.5808	157.73	96.84	5.049
124.00	6.6885	160.22	98.33	5.069
126.00	6.7961	162.71	99.83	5.089
128.00	6.9037	165.20	101.32	5.108
130.00	7.0113	167.68	102.81	5.128
132.00	7.1189	170.17	104.30	5.147
134.00	7.2265	172.66	105.79	5.165
136.00	7.3341	175.14	107.28	5.184
138.00	7.4417	177.63	108.77	5.202
140.00	7.5492	180.12	110.26	5.220
142.00	7.6568	182.60	111.76	5.237
144.00	7.7643	185.09	113.25	5.255
146.00	7.8719	187.58	114.74	5.272
148.00	7.9794	190.06	116.23	5.289
150.00	8.0869	192.55	117.72	5.305
152.00	8.1944	195.03	119.21	5.322
154.00	8.3019	197.52	120.70	5.338
156.00	8.4094	200.00	122.19	5.354
158.00	8.5169	202.49	123.68	5.370
160.00	8.6244	204.97	125.17	5.386
162.00	8.7319	207.46	126.66	5.401
164.00	8.8394	209.94	128.15	5.416
166.00	8.9468	212.43	129.64	5.431
168.00	9.0543	214.91	131.13	5.446
170.00	9.1618	217.40	132.62	5.461
172.00	9.2692	219.88	134.11	5.476
174.00	9.3767	222.36	135.60	5.490
176.00	9.4841	224.85	137.09	5.504
178.00	9.5916	227.33	138.58	5.518
180.00	9.6990	229.82	140.07	5.532
182.00	9.8064	232.30	141.56	5.546
184.00	9.9139	234.78	143.05	5.559
186.00	10.0213	237.27	144.54	5.573
188.00	10.1287	239.75	146.03	5.586
190.00	10.2361	242.24	147.52	5.599
192.00	10.3435	244.72	149.01	5.612
194.00	10.4509	247.20	150.50	5.625
196.00	10.5583	249.69	151.99	5.638
198.00	10.6657	252.17	153.48	5.650
200.00	10.7731	254.65	154.97	5.663
202.00	10.8805	257.14	156.46	5.675
204.00	10.9879	259.62	157.95	5.687
206.00	11.0953	262.10	159.44	5.700
208.00	11.2027	264.59	160.93	5.712
210.00	11.3101	267.07	162.42	5.723
212.00	11.4175	269.55	163.91	5.735
214.00	11.5249	272.03	165.40	5.747
216.00	11.6322	274.52	166.89	5.758
218.00	11.7396	277.00	168.38	5.770
220.00	11.8470	279.48	169.86	5.781
222.00	11.9544	281.97	171.35	5.792
224.00	12.0617	284.45	172.84	5.804
226.00	12.1691	286.93	174.33	5.815
228.00	12.2765	289.41	175.82	5.825
230.00	12.3838	291.90	177.31	5.836
232.00	12.4912	294.38	178.80	5.847
234.00	12.5985	296.86	180.29	5.858
236.00	12.7059	299.34	181.78	5.868
238.00	12.8132	301.83	183.27	5.879
240.00	12.9206	304.31	184.76	5.889
242.00	13.0279	306.79	186.25	5.899
244.00	13.1353	309.27	187.73	5.910
246.00	13.2426	311.76	189.22	5.920
248.00	13.3500	314.24	190.71	5.930
250.00	13.4573	316.72	192.20	5.940
252.00	13.5647	319.20	193.69	5.950
254.00	13.6720	321.69	195.18	5.960
256.00	13.7793	324.17	196.67	5.969
258.00	13.8867	326.65	198.16	5.979
260.00	13.9940	329.13	199.65	5.988

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	14.1013	331.61	201.14	5.998	402.00	21.6124	505.32	305.34	6.529
264.00	14.2087	334.10	202.62	6.007	404.00	21.7197	507.80	306.83	6.535
266.00	14.3160	336.58	204.11	6.017	406.00	21.8270	510.28	308.32	6.541
268.00	14.4233	339.06	205.60	6.026	408.00	21.9343	512.76	309.81	6.548
270.00	14.5307	341.54	207.09	6.035	410.00	22.0416	515.24	311.30	6.554
272.00	14.6380	344.02	208.58	6.044	412.00	22.1488	517.72	312.78	6.560
274.00	14.7453	346.51	210.07	6.054	414.00	22.2561	520.21	314.27	6.566
276.00	14.8526	348.99	211.56	6.063	416.00	22.3634	522.69	315.76	6.572
278.00	14.9600	351.47	213.05	6.072	418.00	22.4707	525.17	317.25	6.578
280.00	15.0673	353.95	214.54	6.080	420.00	22.5779	527.65	318.74	6.584
282.00	15.1746	356.43	216.02	6.089	422.00	22.6852	530.13	320.23	6.589
284.00	15.2819	358.92	217.51	6.098	424.00	22.7925	532.61	321.71	6.595
286.00	15.3893	361.40	219.00	6.107	426.00	22.8998	535.09	323.20	6.601
288.00	15.4966	363.88	220.49	6.115	428.00	23.0071	537.57	324.69	6.607
290.00	15.6039	366.36	221.98	6.124	430.00	23.1143	540.05	326.18	6.613
292.00	15.7112	368.84	223.47	6.133	432.00	23.2216	542.53	327.67	6.618
294.00	15.8185	371.32	224.96	6.141	434.00	23.3289	545.02	329.16	6.624
296.00	15.9258	373.81	226.45	6.149	436.00	23.4362	547.50	330.64	6.630
298.00	16.0331	376.29	227.94	6.158	438.00	23.5434	549.98	332.13	6.636
300.00	16.1405	378.77	229.42	6.166	440.00	23.6507	552.46	333.62	6.641
302.00	16.2478	381.25	230.91	6.174	442.00	23.7580	554.94	335.11	6.647
304.00	16.3551	383.73	232.40	6.183	444.00	23.8652	557.42	336.60	6.652
306.00	16.4624	386.21	233.89	6.191	446.00	23.9725	559.90	338.09	6.658
308.00	16.5697	388.70	235.38	6.199	448.00	24.0798	562.38	339.58	6.664
310.00	16.6770	391.18	236.87	6.207	450.00	24.1871	564.86	341.06	6.669
312.00	16.7843	393.66	238.36	6.215	452.00	24.2943	567.34	342.55	6.675
314.00	16.8916	396.14	239.84	6.223	454.00	24.4016	569.83	344.04	6.680
316.00	16.9989	398.62	241.33	6.231	456.00	24.5089	572.31	345.53	6.686
318.00	17.1062	401.10	242.82	6.238	458.00	24.6162	574.79	347.02	6.691
320.00	17.2135	403.59	244.31	6.246	460.00	24.7234	577.27	348.51	6.696
322.00	17.3208	406.07	245.80	6.254	462.00	24.8307	579.75	349.99	6.702
324.00	17.4281	408.55	247.29	6.262	464.00	24.9380	582.23	351.48	6.707
326.00	17.5354	411.03	248.78	6.269	466.00	25.0452	584.71	352.97	6.712
328.00	17.6427	413.51	250.27	6.277	468.00	25.1525	587.19	354.46	6.718
330.00	17.7500	415.99	251.75	6.284	470.00	25.2598	589.67	355.95	6.723
332.00	17.8573	418.47	253.24	6.292	472.00	25.3670	592.15	357.44	6.728
334.00	17.9646	420.96	254.73	6.299	474.00	25.4743	594.64	358.92	6.734
336.00	18.0719	423.44	256.22	6.307	476.00	25.5816	597.12	360.41	6.739
338.00	18.1792	425.92	257.71	6.314	478.00	25.6889	599.60	361.90	6.744
340.00	18.2865	428.40	259.20	6.321	480.00	25.7961	602.08	363.39	6.749
342.00	18.3938	430.88	260.69	6.329	482.00	25.9034	604.56	364.88	6.754
344.00	18.5011	433.36	262.17	6.336	484.00	26.0107	607.04	366.37	6.759
346.00	18.6084	435.84	263.66	6.343	486.00	26.1179	609.52	367.85	6.765
348.00	18.7157	438.33	265.15	6.350	488.00	26.2252	612.00	369.34	6.770
350.00	18.8230	440.81	266.64	6.357	490.00	26.3325	614.48	370.83	6.775
352.00	18.9303	443.29	268.13	6.364	492.00	26.4397	616.96	372.32	6.780
354.00	19.0376	445.77	269.62	6.371	494.00	26.5470	619.44	373.81	6.785
356.00	19.1449	448.25	271.11	6.378	496.00	26.6543	621.92	375.30	6.790
358.00	19.2522	450.73	272.59	6.385	498.00	26.7615	624.41	376.78	6.795
360.00	19.3595	453.21	274.08	6.392	500.00	26.8688	626.89	378.27	6.800
362.00	19.4667	455.70	275.57	6.399	502.00	26.9761	629.37	379.76	6.805
364.00	19.5740	458.18	277.06	6.406	504.00	27.0833	631.85	381.25	6.810
366.00	19.6813	460.66	278.55	6.413	506.00	27.1906	634.33	382.74	6.815
368.00	19.7886	463.14	280.04	6.420	508.00	27.2979	636.81	384.23	6.819
370.00	19.8959	465.62	281.53	6.426	510.00	27.4051	639.29	385.71	6.824
372.00	20.0032	468.10	283.01	6.433	512.00	27.5124	641.77	387.20	6.829
374.00	20.1105	470.58	284.50	6.440	514.00	27.6197	644.25	388.69	6.834
376.00	20.2178	473.06	285.99	6.446	516.00	27.7269	646.73	390.18	6.839
378.00	20.3250	475.55	287.48	6.453	518.00	27.8342	649.21	391.67	6.844
380.00	20.4323	478.03	288.97	6.459	520.00	27.9415	651.69	393.16	6.848
382.00	20.5396	480.51	290.46	6.466	522.00	28.0487	654.18	394.64	6.853
384.00	20.6469	482.99	291.95	6.472	524.00	28.1560	656.66	396.13	6.858
386.00	20.7542	485.47	293.43	6.479	526.00	28.2632	659.14	397.62	6.863
388.00	20.8615	487.95	294.92	6.485	528.00	28.3705	661.62	399.11	6.867
390.00	20.9687	490.43	296.41	6.492	530.00	28.4778	664.10	400.60	6.872
392.00	21.0760	492.91	297.90	6.498	532.00	28.5850	666.58	402.09	6.877
394.00	21.1833	495.39	299.39	6.504	534.00	28.6923	669.06	403.57	6.881
396.00	21.2906	497.88	300.88	6.511	536.00	28.7996	671.54	405.06	6.886
398.00	21.3979	500.36	302.36	6.517	538.00	28.9068	674.02	406.55	6.891
400.00	21.5052	502.84	303.85	6.523	540.00	29.0141	676.50	408.04	6.895

60.00 PSIA 1508AR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.1088	3.56	2.35	.586
8.00	.1186	5.15	3.83	.803
10.00	.1448	7.79	6.18	1.100
12.00	.3185	14.75	11.21	1.740
14.00	.4683	18.96	13.76	2.066
16.00	.5917	22.36	15.79	2.294
18.00	.7045	25.45	17.63	2.476
20.00	.8114	28.38	19.37	2.630
22.00	.9145	31.20	21.05	2.765
24.00	1.0150	33.96	22.69	2.884
26.00	1.1137	36.66	24.30	2.993
28.00	1.2109	39.33	25.89	3.092
30.00	1.3071	41.98	27.46	3.183
32.00	1.4024	44.60	29.03	3.268
34.00	1.4969	47.20	30.58	3.347
36.00	1.5909	49.79	32.13	3.421
38.00	1.6844	52.37	33.67	3.490
40.00	1.7775	54.94	35.20	3.556
42.00	1.8703	57.50	36.73	3.619
44.00	1.9627	60.05	38.26	3.678
46.00	2.0549	62.60	39.78	3.735
48.00	2.1469	65.14	41.30	3.789
50.00	2.2386	67.67	42.82	3.840
52.00	2.3302	70.20	44.33	3.890
54.00	2.4216	72.73	45.84	3.938
56.00	2.5129	75.26	47.35	3.984
58.00	2.6041	77.78	48.86	4.028
60.00	2.6951	80.30	50.37	4.071
62.00	2.7860	82.81	51.88	4.112
64.00	2.8769	85.33	53.38	4.152
66.00	2.9676	87.84	54.89	4.190
68.00	3.0583	90.35	56.39	4.228
70.00	3.1489	92.86	57.89	4.264
72.00	3.2394	95.36	59.40	4.299
74.00	3.3299	97.87	60.90	4.334
76.00	3.4203	100.37	62.40	4.367
78.00	3.5107	102.88	63.90	4.400
80.00	3.6010	105.38	65.40	4.431
82.00	3.6913	107.88	66.89	4.462
84.00	3.7815	110.38	68.39	4.492
86.00	3.8717	112.88	69.89	4.522
88.00	3.9618	115.38	71.39	4.550
90.00	4.0520	117.87	72.88	4.579
92.00	4.1420	120.37	74.38	4.606
94.00	4.2321	122.87	75.88	4.633
96.00	4.3221	125.36	77.37	4.659
98.00	4.4121	127.86	78.87	4.685
100.00	4.5021	130.35	80.36	4.710
102.00	4.5921	132.85	81.86	4.735
104.00	4.6820	135.34	83.35	4.759
106.00	4.7719	137.83	84.85	4.783
108.00	4.8618	140.32	86.34	4.806
110.00	4.9517	142.82	87.83	4.829
112.00	5.0416	145.31	89.33	4.851
114.00	5.1314	147.80	90.82	4.873
116.00	5.2212	150.29	92.31	4.895
118.00	5.3111	152.78	93.81	4.916
120.00	5.4008	155.27	95.30	4.937
122.00	5.4906	157.76	96.79	4.958
124.00	5.5804	160.25	98.29	4.978
126.00	5.6702	162.74	99.78	4.998
128.00	5.7599	165.23	101.27	5.017
130.00	5.8496	167.71	102.76	5.037
132.00	5.9394	170.20	104.26	5.056
134.00	6.0291	172.69	105.75	5.074
136.00	6.1188	175.18	107.24	5.093
138.00	6.2085	177.67	108.73	5.111
140.00	6.2982	180.15	110.22	5.129
142.00	6.3878	182.64	111.71	5.147
144.00	6.4775	185.13	113.21	5.164
146.00	6.5672	187.62	114.70	5.181
148.00	6.6568	190.10	116.19	5.198
150.00	6.7465	192.59	117.68	5.215
152.00	6.8361	195.08	119.17	5.231
154.00	6.9257	197.56	120.66	5.247
156.00	7.0154	200.05	122.15	5.264
158.00	7.1050	202.53	123.64	5.279
160.00	7.1946	205.02	125.14	5.295
162.00	7.2842	207.51	126.63	5.310
164.00	7.3738	209.99	128.12	5.326
166.00	7.4634	212.48	129.61	5.341
168.00	7.5530	214.96	131.10	5.356
170.00	7.6426	217.45	132.59	5.370
172.00	7.7322	219.93	134.08	5.385
174.00	7.8217	222.42	135.57	5.399
176.00	7.9113	224.90	137.06	5.413
178.00	8.0009	227.39	138.55	5.427
180.00	8.0904	229.87	140.04	5.441
182.00	8.1800	232.36	141.53	5.455
184.00	8.2695	234.84	143.02	5.469
186.00	8.3591	237.33	144.51	5.482
188.00	8.4486	239.81	146.00	5.495
190.00	8.5382	242.29	147.49	5.508
192.00	8.6277	244.78	148.98	5.522
194.00	8.7172	247.26	150.47	5.534
196.00	8.8068	249.75	151.96	5.547
198.00	8.8963	252.23	153.45	5.560
200.00	8.9858	254.71	154.94	5.572
202.00	9.0754	257.20	156.43	5.585
204.00	9.1649	259.68	157.92	5.597
206.00	9.2544	262.17	159.41	5.609
208.00	9.3439	264.65	160.90	5.621
210.00	9.4334	267.13	162.39	5.633
212.00	9.5229	269.62	163.88	5.645
214.00	9.6124	272.10	165.37	5.656
216.00	9.7019	274.58	166.86	5.668
218.00	9.7914	277.07	168.35	5.679
220.00	9.8809	279.55	169.84	5.691
222.00	9.9704	282.03	171.33	5.702
224.00	10.0599	284.52	172.82	5.713
226.00	10.1494	287.00	174.31	5.724
228.00	10.2389	289.48	175.80	5.735
230.00	10.3284	291.97	177.29	5.746
232.00	10.4179	294.45	178.77	5.756
234.00	10.5074	296.93	180.26	5.767
236.00	10.5968	299.41	181.75	5.778
238.00	10.6863	301.90	183.24	5.788
240.00	10.7758	304.38	184.73	5.799
242.00	10.8653	306.86	186.22	5.809
244.00	10.9547	309.35	187.71	5.819
246.00	11.0442	311.83	189.20	5.829
248.00	11.1337	314.31	190.69	5.839
250.00	11.2232	316.79	192.18	5.849
252.00	11.3126	319.28	193.67	5.859
254.00	11.4021	321.76	195.16	5.869
256.00	11.4916	324.24	196.65	5.879
258.00	11.5810	326.72	198.14	5.888
260.00	11.6705	329.21	199.62	5.898

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	11.7599	331.69	201.11	5.907	402.00	18.0199	505.41	305.33	6.439
264.00	11.8494	334.17	202.60	5.917	404.00	18.1093	507.89	306.82	6.445
266.00	11.9389	336.65	204.09	5.926	406.00	18.1987	510.37	308.30	6.451
268.00	12.0283	339.14	205.58	5.936	408.00	18.2881	512.85	309.79	6.457
270.00	12.1178	341.62	207.07	5.945	410.00	18.3775	515.33	311.28	6.463
272.00	12.2072	344.10	208.56	5.954	412.00	18.4669	517.82	312.77	6.469
274.00	12.2967	346.58	210.05	5.963	414.00	18.5563	520.30	314.26	6.475
276.00	12.3861	349.07	211.54	5.972	416.00	18.6457	522.78	315.75	6.481
278.00	12.4756	351.55	213.03	5.981	418.00	18.7351	525.26	317.23	6.487
280.00	12.5650	354.03	214.51	5.990	420.00	18.8245	527.74	318.72	6.493
282.00	12.6545	356.51	216.00	5.999	422.00	18.9139	530.22	320.21	6.499
284.00	12.7439	358.99	217.49	6.008	424.00	19.0033	532.70	321.70	6.505
286.00	12.8334	361.48	218.98	6.016	426.00	19.0927	535.18	323.19	6.511
288.00	12.9228	363.96	220.47	6.025	428.00	19.1821	537.67	324.68	6.516
290.00	13.0122	366.44	221.96	6.033	430.00	19.2715	540.15	326.17	6.522
292.00	13.1017	368.92	223.45	6.042	432.00	19.3609	542.63	327.65	6.528
294.00	13.1911	371.40	224.94	6.050	434.00	19.4503	545.11	329.14	6.534
296.00	13.2806	373.89	226.43	6.059	436.00	19.5397	547.59	330.63	6.539
298.00	13.3700	376.37	227.92	6.067	438.00	19.6291	550.07	332.12	6.545
300.00	13.4594	378.85	229.40	6.076	440.00	19.7185	552.55	333.61	6.551
302.00	13.5489	381.33	230.89	6.084	442.00	19.8079	555.03	335.10	6.556
304.00	13.6383	383.81	232.38	6.092	444.00	19.8973	557.51	336.59	6.562
306.00	13.7278	386.30	233.87	6.100	446.00	19.9867	560.00	338.07	6.568
308.00	13.8172	388.78	235.36	6.108	448.00	20.0761	562.48	339.56	6.573
310.00	13.9066	391.26	236.85	6.116	450.00	20.1655	564.96	341.05	6.579
312.00	13.9961	393.74	238.34	6.124	452.00	20.2549	567.44	342.54	6.584
314.00	14.0855	396.22	239.83	6.132	454.00	20.3443	569.92	344.03	6.590
316.00	14.1749	398.71	241.31	6.140	456.00	20.4337	572.40	345.52	6.595
318.00	14.2644	401.19	242.80	6.148	458.00	20.5231	574.88	347.00	6.600
320.00	14.3538	403.67	244.29	6.156	460.00	20.6125	577.36	348.49	6.606
322.00	14.4432	406.15	245.78	6.163	462.00	20.7019	579.84	349.98	6.611
324.00	14.5326	408.63	247.27	6.171	464.00	20.7913	582.33	351.47	6.617
326.00	14.6221	411.11	248.76	6.179	466.00	20.8807	584.81	352.96	6.622
328.00	14.7115	413.60	250.25	6.186	468.00	20.9701	587.29	354.45	6.627
330.00	14.8009	416.08	251.74	6.194	470.00	21.0595	589.77	355.93	6.633
332.00	14.8903	418.56	253.22	6.201	472.00	21.1489	592.25	357.42	6.638
334.00	14.9798	421.04	254.71	6.209	474.00	21.2383	594.73	358.91	6.643
336.00	15.0692	423.52	256.20	6.216	476.00	21.3277	597.21	360.40	6.648
338.00	15.1586	426.00	257.69	6.224	478.00	21.4171	599.69	361.89	6.653
340.00	15.2480	428.49	259.18	6.231	480.00	21.5065	602.17	363.38	6.659
342.00	15.3375	430.97	260.67	6.238	482.00	21.5959	604.65	364.87	6.664
344.00	15.4269	433.45	262.16	6.245	484.00	21.6853	607.14	366.35	6.669
346.00	15.5163	435.93	263.65	6.253	486.00	21.7747	609.62	367.84	6.674
348.00	15.6057	438.41	265.13	6.260	488.00	21.8641	612.10	369.33	6.679
350.00	15.6951	440.89	266.62	6.267	490.00	21.9535	614.58	370.82	6.684
352.00	15.7846	443.38	268.11	6.274	492.00	22.0429	617.06	372.31	6.689
354.00	15.8740	445.86	269.60	6.281	494.00	22.1323	619.54	373.80	6.694
356.00	15.9634	448.34	271.09	6.288	496.00	22.2216	622.02	375.28	6.699
358.00	16.0528	450.82	272.58	6.295	498.00	22.3110	624.50	376.77	6.704
360.00	16.1422	453.30	274.07	6.302	500.00	22.4004	626.98	378.26	6.709
362.00	16.2317	455.78	275.56	6.309	502.00	22.4898	629.46	379.75	6.714
364.00	16.3211	458.26	277.04	6.315	504.00	22.5792	631.94	381.24	6.719
366.00	16.4105	460.75	278.53	6.322	506.00	22.6686	634.43	382.73	6.724
368.00	16.4999	463.23	280.02	6.329	508.00	22.7580	636.91	384.21	6.729
370.00	16.5893	465.71	281.51	6.336	510.00	22.8474	639.39	385.70	6.734
372.00	16.6787	468.19	283.00	6.342	512.00	22.9368	641.87	387.19	6.739
374.00	16.7681	470.67	284.49	6.349	514.00	23.0262	644.35	388.68	6.744
376.00	16.8576	473.15	285.98	6.356	516.00	23.1156	646.83	390.17	6.748
378.00	16.9470	475.63	287.46	6.362	518.00	23.2050	649.31	391.66	6.753
380.00	17.0364	478.12	288.95	6.369	520.00	23.2944	651.79	393.14	6.758
382.00	17.1258	480.60	290.44	6.375	522.00	23.3837	654.27	394.63	6.763
384.00	17.2152	483.08	291.93	6.382	524.00	23.4731	656.75	396.12	6.767
386.00	17.3046	485.56	293.42	6.388	526.00	23.5625	659.24	397.61	6.772
388.00	17.3940	488.04	294.91	6.395	528.00	23.6519	661.72	399.10	6.777
390.00	17.4834	490.52	296.40	6.401	530.00	23.7413	664.20	400.59	6.782
392.00	17.5728	493.00	297.88	6.407	532.00	23.8307	666.68	402.07	6.786
394.00	17.6622	495.48	299.37	6.414	534.00	23.9201	669.16	403.56	6.791
396.00	17.7517	497.97	300.86	6.420	536.00	24.0095	671.64	405.05	6.796
398.00	17.8411	500.45	302.35	6.426	538.00	24.0989	674.12	406.54	6.800
400.00	17.9305	502.93	303.84	6.432	540.00	24.1883	676.60	408.03	6.805

70.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.1078	3.73	2.33	.580
8.00	.1167	5.27	3.75	.791
10.00	.2200	11.13	8.28	1.375
12.00	.2425	13.31	10.16	1.577
14.00	.3817	18.11	13.17	1.950
16.00	.4926	21.72	15.34	2.192
18.00	.5924	24.94	17.26	2.381
20.00	.6862	27.94	19.05	2.539
22.00	.7763	30.83	20.77	2.677
24.00	.8638	33.63	22.44	2.799
26.00	.9495	36.37	24.07	2.909
28.00	1.0338	39.07	25.68	3.009
30.00	1.1170	41.74	27.27	3.101
32.00	1.1994	44.39	28.85	3.186
34.00	1.2811	47.01	30.42	3.266
36.00	1.3622	49.62	31.97	3.340
38.00	1.4428	52.21	33.52	3.410
40.00	1.5231	54.79	35.06	3.476
42.00	1.6030	57.36	36.60	3.539
44.00	1.6826	59.93	38.13	3.599
46.00	1.7620	62.48	39.66	3.656
48.00	1.8411	65.03	41.18	3.710
50.00	1.9201	67.58	42.70	3.762
52.00	1.9988	70.12	44.22	3.812
54.00	2.0775	72.65	45.74	3.859
56.00	2.1559	75.18	47.25	3.905
58.00	2.2343	77.71	48.77	3.950
60.00	2.3125	80.23	50.28	3.993
62.00	2.3907	82.76	51.79	4.034
64.00	2.4687	85.27	53.29	4.074
66.00	2.5467	87.79	54.80	4.113
68.00	2.6246	90.31	56.31	4.150
70.00	2.7024	92.82	57.81	4.187
72.00	2.7801	95.33	59.32	4.222
74.00	2.8578	97.84	60.82	4.256
76.00	2.9354	100.35	62.32	4.290
78.00	3.0130	102.85	63.82	4.322
80.00	3.0906	105.36	65.32	4.354
82.00	3.1681	107.86	66.82	4.385
84.00	3.2455	110.37	68.32	4.415
86.00	3.3229	112.87	69.82	4.445
88.00	3.4003	115.37	71.32	4.473
90.00	3.4777	117.87	72.82	4.501
92.00	3.5550	120.37	74.32	4.529
94.00	3.6323	122.87	75.82	4.556
96.00	3.7095	125.37	77.31	4.582
98.00	3.7867	127.86	78.81	4.608
100.00	3.8639	130.36	80.31	4.633
102.00	3.9411	132.85	81.80	4.658
104.00	4.0183	135.35	83.30	4.682
106.00	4.0954	137.84	84.79	4.706
108.00	4.1726	140.34	86.29	4.729
110.00	4.2497	142.83	87.78	4.752
112.00	4.3268	145.33	89.28	4.774
114.00	4.4038	147.82	90.77	4.796
116.00	4.4809	150.31	92.27	4.818
118.00	4.5579	152.80	93.76	4.839
120.00	4.6350	155.29	95.25	4.860
122.00	4.7120	157.79	96.75	4.881
124.00	4.7890	160.28	98.24	4.901
126.00	4.8660	162.77	99.73	4.921
128.00	4.9429	165.26	101.23	4.941
130.00	5.0199	167.75	102.72	4.960
132.00	5.0968	170.24	104.21	4.979
134.00	5.1738	172.73	105.70	4.998
136.00	5.2507	175.22	107.20	5.016
138.00	5.3277	177.70	108.69	5.034
140.00	5.4046	180.19	110.18	5.052
142.00	5.4815	182.68	111.67	5.070
144.00	5.5584	185.17	113.17	5.087
146.00	5.6353	187.66	114.66	5.104
148.00	5.7122	190.15	116.15	5.121
150.00	5.7890	192.63	117.64	5.138
152.00	5.8659	195.12	119.13	5.154
154.00	5.9428	197.61	120.62	5.171
156.00	6.0196	200.09	122.12	5.187
158.00	6.0965	202.58	123.61	5.203
160.00	6.1733	205.07	125.10	5.218
162.00	6.2501	207.55	126.59	5.234
164.00	6.3270	210.04	128.08	5.249
166.00	6.4038	212.53	129.57	5.264
168.00	6.4806	215.01	131.06	5.279
170.00	6.5574	217.50	132.55	5.294
172.00	6.6343	219.99	134.05	5.308
174.00	6.7111	222.47	135.54	5.323
176.00	6.7879	224.96	137.03	5.337
178.00	6.8647	227.44	138.52	5.351
180.00	6.9415	229.93	140.01	5.365
182.00	7.0182	232.41	141.50	5.378
184.00	7.0950	234.90	142.99	5.392
186.00	7.1718	237.38	144.48	5.405
188.00	7.2486	239.87	145.97	5.419
190.00	7.3254	242.35	147.46	5.432
192.00	7.4021	244.84	148.95	5.445
194.00	7.4789	247.32	150.44	5.458
196.00	7.5557	249.81	151.93	5.470
198.00	7.6324	252.29	153.42	5.483
200.00	7.7092	254.78	154.91	5.496
202.00	7.7859	257.26	156.40	5.508
204.00	7.8627	259.75	157.89	5.520
206.00	7.9394	262.23	159.38	5.532
208.00	8.0162	264.71	160.87	5.544
210.00	8.0929	267.20	162.36	5.556
212.00	8.1697	269.68	163.85	5.568
214.00	8.2464	272.17	165.34	5.580
216.00	8.3231	274.65	166.83	5.591
218.00	8.3999	277.13	168.32	5.603
220.00	8.4766	279.62	169.81	5.614
222.00	8.5533	282.10	171.30	5.625
224.00	8.6301	284.58	172.79	5.636
226.00	8.7068	287.07	174.28	5.647
228.00	8.7835	289.55	175.77	5.658
230.00	8.8602	292.04	177.26	5.669
232.00	8.9369	294.52	178.75	5.680
234.00	9.0137	297.00	180.24	5.691
236.00	9.0904	299.49	181.73	5.701
238.00	9.1671	301.97	183.22	5.712
240.00	9.2438	304.45	184.71	5.722
242.00	9.3205	306.94	186.20	5.732
244.00	9.3972	309.42	187.69	5.743
246.00	9.4739	311.90	189.18	5.753
248.00	9.5506	314.38	190.67	5.763
250.00	9.6273	316.87	192.15	5.773
252.00	9.7040	319.35	193.64	5.783
254.00	9.7807	321.83	195.13	5.792
256.00	9.8574	324.32	196.62	5.802
258.00	9.9341	326.80	198.11	5.812
260.00	10.0108	329.28	199.60	5.821

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	10.0875	331.76	201.09	5.831	402.00	15.4538	505.50	305.31	6.362
264.00	10.1642	334.25	202.58	5.840	404.00	15.5304	507.98	306.80	6.368
266.00	10.2409	336.73	204.07	5.850	406.00	15.6070	510.46	308.29	6.374
268.00	10.3176	339.21	205.56	5.859	408.00	15.6837	512.94	309.78	6.381
270.00	10.3943	341.70	207.05	5.868	410.00	15.7603	515.43	311.27	6.387
272.00	10.4710	344.18	208.54	5.877	412.00	15.8370	517.91	312.75	6.393
274.00	10.5476	346.66	210.03	5.886	414.00	15.9136	520.39	314.24	6.399
276.00	10.6243	349.14	211.52	5.896	416.00	15.9902	522.87	315.73	6.405
278.00	10.7010	351.63	213.00	5.904	418.00	16.0669	525.35	317.22	6.411
280.00	10.7777	354.11	214.49	5.913	420.00	16.1435	527.83	318.71	6.417
282.00	10.8544	356.59	215.98	5.922	422.00	16.2201	530.31	320.20	6.422
284.00	10.9310	359.07	217.47	5.931	424.00	16.2968	532.80	321.69	6.428
286.00	11.0077	361.56	218.96	5.940	426.00	16.3734	535.28	323.17	6.434
288.00	11.0844	364.04	220.45	5.948	428.00	16.4501	537.76	324.66	6.440
290.00	11.1611	366.52	221.94	5.957	430.00	16.5267	540.24	326.15	6.446
292.00	11.2378	369.00	223.43	5.965	432.00	16.6033	542.72	327.64	6.451
294.00	11.3144	371.48	224.92	5.974	434.00	16.6800	545.20	329.13	6.457
296.00	11.3911	373.97	226.41	5.982	436.00	16.7566	547.68	330.62	6.463
298.00	11.4678	376.45	227.90	5.991	438.00	16.8332	550.16	332.11	6.469
300.00	11.5444	378.93	229.38	5.999	440.00	16.9099	552.65	333.59	6.474
302.00	11.6211	381.41	230.87	6.007	442.00	16.9865	555.13	335.08	6.480
304.00	11.6978	383.90	232.36	6.015	444.00	17.0631	557.61	336.57	6.485
306.00	11.7745	386.38	233.85	6.024	446.00	17.1398	560.09	338.06	6.491
308.00	11.8511	388.86	235.34	6.032	448.00	17.2164	562.57	339.55	6.497
310.00	11.9278	391.34	236.83	6.040	450.00	17.2930	565.05	341.04	6.502
312.00	12.0045	393.82	238.32	6.048	452.00	17.3697	567.53	342.53	6.508
314.00	12.0811	396.31	239.81	6.056	454.00	17.4463	570.01	344.01	6.513
316.00	12.1578	398.79	241.30	6.063	456.00	17.5229	572.50	345.50	6.519
318.00	12.2344	401.27	242.79	6.071	458.00	17.5995	574.98	346.99	6.524
320.00	12.3111	403.75	244.27	6.079	460.00	17.6762	577.46	348.48	6.529
322.00	12.3878	406.23	245.76	6.087	462.00	17.7528	579.94	349.97	6.535
324.00	12.4644	408.72	247.25	6.095	464.00	17.8294	582.42	351.46	6.540
326.00	12.5411	411.20	248.74	6.102	466.00	17.9061	584.90	352.95	6.545
328.00	12.6178	413.68	250.23	6.110	468.00	17.9827	587.38	354.43	6.551
330.00	12.6944	416.16	251.72	6.117	470.00	18.0593	589.86	355.92	6.556
332.00	12.7711	418.64	253.21	6.125	472.00	18.1360	592.34	357.41	6.561
334.00	12.8477	421.13	254.70	6.132	474.00	18.2126	594.83	358.90	6.567
336.00	12.9244	423.61	256.18	6.140	476.00	18.2892	597.31	360.39	6.572
338.00	13.0010	426.09	257.67	6.147	478.00	18.3658	599.79	361.88	6.577
340.00	13.0777	428.57	259.16	6.154	480.00	18.4425	602.27	363.36	6.582
342.00	13.1544	431.05	260.65	6.162	482.00	18.5191	604.75	364.85	6.587
344.00	13.2310	433.54	262.14	6.169	484.00	18.5957	607.23	366.34	6.592
346.00	13.3077	436.02	263.63	6.176	486.00	18.6724	609.71	367.83	6.598
348.00	13.3843	438.50	265.12	6.183	488.00	18.7490	612.19	369.32	6.603
350.00	13.4610	440.98	266.61	6.190	490.00	18.8256	614.67	370.81	6.608
352.00	13.5376	443.46	268.10	6.197	492.00	18.9022	617.16	372.29	6.613
354.00	13.6143	445.94	269.58	6.204	494.00	18.9789	619.64	373.78	6.618
356.00	13.6909	448.43	271.07	6.211	496.00	19.0555	622.12	375.27	6.623
358.00	13.7676	450.91	272.56	6.218	498.00	19.1321	624.60	376.76	6.628
360.00	13.8442	453.39	274.05	6.225	500.00	19.2087	627.08	378.25	6.633
362.00	13.9209	455.87	275.54	6.232	502.00	19.2854	629.56	379.74	6.638
364.00	13.9975	458.35	277.03	6.239	504.00	19.3620	632.04	381.23	6.643
366.00	14.0742	460.83	278.52	6.246	506.00	19.4386	634.52	382.71	6.648
368.00	14.1508	463.32	280.00	6.253	508.00	19.5153	637.00	384.20	6.653
370.00	14.2275	465.80	281.49	6.259	510.00	19.5919	639.48	385.69	6.657
372.00	14.3041	468.28	282.98	6.266	512.00	19.6685	641.97	387.18	6.662
374.00	14.3808	470.76	284.47	6.273	514.00	19.7451	644.45	388.67	6.667
376.00	14.4574	473.24	285.96	6.279	516.00	19.8218	646.93	390.16	6.672
378.00	14.5341	475.72	287.45	6.286	518.00	19.8984	649.41	391.64	6.677
380.00	14.6107	478.20	288.94	6.292	520.00	19.9750	651.89	393.13	6.681
382.00	14.6873	480.69	290.43	6.299	522.00	20.0516	654.37	394.62	6.686
384.00	14.7640	483.17	291.91	6.305	524.00	20.1282	656.85	396.11	6.691
386.00	14.8406	485.65	293.40	6.312	526.00	20.2049	659.33	397.60	6.696
388.00	14.9173	488.13	294.89	6.318	528.00	20.2815	661.81	399.09	6.700
390.00	14.9939	490.61	296.38	6.325	530.00	20.3581	664.29	400.57	6.705
392.00	15.0706	493.09	297.87	6.331	532.00	20.4347	666.78	402.06	6.710
394.00	15.1472	495.58	299.36	6.337	534.00	20.5114	669.26	403.55	6.714
396.00	15.2238	498.06	300.85	6.344	536.00	20.5880	671.74	405.04	6.719
398.00	15.3005	500.54	302.33	6.350	538.00	20.6646	674.22	406.53	6.724
400.00	15.3771	503.02	303.82	6.356	540.00	20.7412	676.70	408.02	6.728

80.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.1069	3.89	2.31	.574
8.00	.1151	5.39	3.69	.780
10.00	.1326	7.61	5.65	1.031
12.00	.1963	12.08	9.17	1.441
14.00	.3185	17.27	12.55	1.844
16.00	.4193	21.10	14.89	2.100
18.00	.5091	24.43	16.90	2.297
20.00	.5930	27.52	18.74	2.459
22.00	.6732	30.46	20.50	2.600
24.00	.7509	33.31	22.20	2.723
26.00	.8267	36.09	23.85	2.835
28.00	.9013	38.82	25.48	2.936
30.00	.9748	41.52	27.09	3.029
32.00	1.0474	44.18	28.68	3.115
34.00	1.1194	46.82	30.25	3.195
36.00	1.1909	49.45	31.82	3.270
38.00	1.2619	52.05	33.37	3.340
40.00	1.3325	54.65	34.92	3.407
42.00	1.4027	57.23	36.47	3.470
44.00	1.4727	59.81	38.00	3.530
46.00	1.5425	62.37	39.54	3.587
48.00	1.6120	64.93	41.07	3.641
50.00	1.6813	67.48	42.59	3.693
52.00	1.7504	70.03	44.12	3.743
54.00	1.8194	72.57	45.64	3.791
56.00	1.8883	75.11	47.15	3.837
58.00	1.9571	77.64	48.67	3.882
60.00	2.0257	80.17	50.18	3.925
62.00	2.0942	82.70	51.70	3.966
64.00	2.1627	85.23	53.21	4.006
66.00	2.2311	87.75	54.72	4.045
68.00	2.2993	90.27	56.23	4.083
70.00	2.3676	92.78	57.73	4.119
72.00	2.4357	95.30	59.24	4.155
74.00	2.5038	97.81	60.74	4.189
76.00	2.5719	100.32	62.25	4.223
78.00	2.6399	102.83	63.75	4.255
80.00	2.7078	105.34	65.25	4.287
82.00	2.7757	107.85	66.76	4.318
84.00	2.8436	110.35	68.26	4.348
86.00	2.9114	112.86	69.76	4.378
88.00	2.9792	115.36	71.26	4.406
90.00	3.0470	117.87	72.76	4.434
92.00	3.1147	120.37	74.26	4.462
94.00	3.1824	122.87	75.75	4.489
96.00	3.2501	125.37	77.25	4.515
98.00	3.3177	127.87	78.75	4.541
100.00	3.3854	130.37	80.25	4.566
102.00	3.4530	132.86	81.75	4.591
104.00	3.5205	135.36	83.24	4.615
106.00	3.5881	137.86	84.74	4.639
108.00	3.6556	140.35	86.23	4.662
110.00	3.7232	142.85	87.73	4.685
112.00	3.7907	145.35	89.23	4.708
114.00	3.8582	147.84	90.72	4.730
116.00	3.9256	150.33	92.22	4.751
118.00	3.9931	152.83	93.71	4.773
120.00	4.0606	155.32	95.21	4.794
122.00	4.1280	157.81	96.70	4.814
124.00	4.1954	160.31	98.19	4.835
126.00	4.2628	162.80	99.69	4.854
128.00	4.3302	165.29	101.18	4.874
130.00	4.3976	167.78	102.67	4.893
132.00	4.4650	170.27	104.17	4.912
134.00	4.5323	172.76	105.66	4.931
136.00	4.5997	175.25	107.15	4.950
138.00	4.6671	177.74	108.65	4.968
140.00	4.7344	180.23	110.14	4.986
142.00	4.8017	182.72	111.63	5.003
144.00	4.8690	185.21	113.13	5.021
146.00	4.9364	187.70	114.62	5.038
148.00	5.0037	190.19	116.11	5.055
150.00	5.0710	192.68	117.60	5.072
152.00	5.1383	195.17	119.10	5.088
154.00	5.2055	197.65	120.59	5.104
156.00	5.2728	200.14	122.08	5.120
158.00	5.3401	202.63	123.57	5.136
160.00	5.4074	205.12	125.06	5.152
162.00	5.4746	207.60	126.55	5.167
164.00	5.5419	210.09	128.05	5.183
166.00	5.6091	212.58	129.54	5.198
168.00	5.6764	215.07	131.03	5.212
170.00	5.7436	217.55	132.52	5.227
172.00	5.8108	220.04	134.01	5.242
174.00	5.8781	222.53	135.50	5.256
176.00	5.9453	225.01	136.99	5.270
178.00	6.0125	227.50	138.48	5.284
180.00	6.0797	229.98	139.98	5.298
182.00	6.1470	232.47	141.47	5.312
184.00	6.2142	234.96	142.96	5.326
186.00	6.2814	237.44	144.45	5.339
188.00	6.3486	239.93	145.94	5.352
190.00	6.4158	242.41	147.43	5.365
192.00	6.4830	244.90	148.92	5.378
194.00	6.5502	247.38	150.41	5.391
196.00	6.6173	249.87	151.90	5.404
198.00	6.6845	252.35	153.39	5.417
200.00	6.7517	254.84	154.88	5.429
202.00	6.8189	257.32	156.37	5.442
204.00	6.8861	259.81	157.86	5.454
206.00	6.9532	262.29	159.35	5.466
208.00	7.0204	264.78	160.84	5.478
210.00	7.0876	267.26	162.33	5.490
212.00	7.1547	269.75	163.82	5.502
214.00	7.2219	272.23	165.31	5.513
216.00	7.2891	274.72	166.80	5.525
218.00	7.3562	277.20	168.29	5.536
220.00	7.4234	279.68	169.78	5.548
222.00	7.4905	282.17	171.27	5.559
224.00	7.5577	284.65	172.76	5.570
226.00	7.6248	287.14	174.25	5.581
228.00	7.6920	289.62	175.74	5.592
230.00	7.7591	292.11	177.23	5.603
232.00	7.8263	294.59	178.72	5.614
234.00	7.8934	297.07	180.21	5.624
236.00	7.9605	299.56	181.70	5.635
238.00	8.0277	302.04	183.19	5.645
240.00	8.0948	304.52	184.68	5.656
242.00	8.1619	307.01	186.17	5.666
244.00	8.2291	309.49	187.66	5.676
246.00	8.2962	311.97	189.15	5.686
248.00	8.3633	314.46	190.64	5.696
250.00	8.4305	316.94	192.13	5.706
252.00	8.4976	319.42	193.62	5.716
254.00	8.5647	321.91	195.11	5.726
256.00	8.6318	324.39	196.60	5.736
258.00	8.6990	326.87	198.09	5.745
260.00	8.7661	329.36	199.58	5.755

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	8.8332	331.84	201.07	5.765	402.00	13.5292	505.59	305.30	6.296
264.00	8.9003	334.32	202.56	5.774	404.00	13.5962	508.07	306.79	6.302
266.00	8.9674	336.81	204.05	5.783	406.00	13.6633	510.55	308.27	6.308
268.00	9.0345	339.29	205.54	5.793	408.00	13.7304	513.04	309.76	6.314
270.00	9.1016	341.77	207.03	5.802	410.00	13.7974	515.52	311.25	6.320
272.00	9.1688	344.26	208.52	5.811	412.00	13.8645	518.00	312.74	6.326
274.00	9.2359	346.74	210.00	5.820	414.00	13.9316	520.48	314.23	6.332
276.00	9.3030	349.22	211.49	5.829	416.00	13.9986	522.96	315.72	6.338
278.00	9.3701	351.70	212.98	5.838	418.00	14.0657	525.44	317.21	6.344
280.00	9.4372	354.19	214.47	5.847	420.00	14.1327	527.93	318.70	6.350
282.00	9.5043	356.67	215.96	5.856	422.00	14.1998	530.41	320.18	6.356
284.00	9.5714	359.15	217.45	5.865	424.00	14.2669	532.89	321.67	6.362
286.00	9.6385	361.63	218.94	5.873	426.00	14.3339	535.37	323.16	6.368
288.00	9.7056	364.12	220.43	5.882	428.00	14.4010	537.85	324.65	6.374
290.00	9.7727	366.60	221.92	5.891	430.00	14.4680	540.33	326.14	6.379
292.00	9.8398	369.08	223.41	5.899	432.00	14.5351	542.81	327.63	6.385
294.00	9.9069	371.57	224.90	5.908	434.00	14.6022	545.29	329.12	6.391
296.00	9.9740	374.05	226.39	5.916	436.00	14.6692	547.78	330.60	6.397
298.00	10.0411	376.53	227.88	5.924	438.00	14.7363	550.26	332.09	6.402
300.00	10.1082	379.01	229.36	5.933	440.00	14.8033	552.74	333.58	6.408
302.00	10.1753	381.50	230.85	5.941	442.00	14.8704	555.22	335.07	6.414
304.00	10.2424	383.98	232.34	5.949	444.00	14.9375	557.70	336.56	6.419
306.00	10.3095	386.46	233.83	5.957	446.00	15.0045	560.18	338.05	6.425
308.00	10.3766	388.94	235.32	5.965	448.00	15.0716	562.66	339.54	6.430
310.00	10.4437	391.42	236.81	5.973	450.00	15.1386	565.15	341.02	6.436
312.00	10.5108	393.91	238.30	5.981	452.00	15.2057	567.63	342.51	6.441
314.00	10.5778	396.39	239.79	5.989	454.00	15.2727	570.11	344.00	6.447
316.00	10.6449	398.87	241.28	5.997	456.00	15.3398	572.59	345.49	6.452
318.00	10.7120	401.35	242.77	6.005	458.00	15.4069	575.07	346.98	6.458
320.00	10.7791	403.84	244.26	6.013	460.00	15.4739	577.55	348.47	6.463
322.00	10.8462	406.32	245.74	6.021	462.00	15.5410	580.03	349.96	6.468
324.00	10.9133	408.80	247.23	6.028	464.00	15.6080	582.51	351.44	6.474
326.00	10.9804	411.28	248.72	6.036	466.00	15.6751	585.00	352.93	6.479
328.00	11.0474	413.76	250.21	6.043	468.00	15.7421	587.48	354.42	6.484
330.00	11.1145	416.25	251.70	6.051	470.00	15.8092	589.96	355.91	6.490
332.00	11.1816	418.73	253.19	6.058	472.00	15.8762	592.44	357.40	6.495
334.00	11.2487	421.21	254.68	6.066	474.00	15.9433	594.92	358.89	6.500
336.00	11.3158	423.69	256.17	6.073	476.00	16.0104	597.40	360.37	6.506
338.00	11.3829	426.18	257.66	6.081	478.00	16.0774	599.88	361.86	6.511
340.00	11.4499	428.66	259.15	6.088	480.00	16.1445	602.36	363.35	6.516
342.00	11.5170	431.14	260.63	6.095	482.00	16.2115	604.85	364.84	6.521
344.00	11.5841	433.62	262.12	6.103	484.00	16.2786	607.33	366.33	6.526
346.00	11.6512	436.10	263.61	6.110	486.00	16.3456	609.81	367.82	6.531
348.00	11.7183	438.59	265.10	6.117	488.00	16.4127	612.29	369.31	6.536
350.00	11.7853	441.07	266.59	6.124	490.00	16.4797	614.77	370.79	6.541
352.00	11.8524	443.55	268.08	6.131	492.00	16.5468	617.25	372.28	6.547
354.00	11.9195	446.03	269.57	6.138	494.00	16.6138	619.73	373.77	6.552
356.00	11.9866	448.51	271.06	6.145	496.00	16.6809	622.21	375.26	6.557
358.00	12.0536	450.99	272.54	6.152	498.00	16.7479	624.70	376.75	6.562
360.00	12.1207	453.48	274.03	6.159	500.00	16.8150	627.18	378.24	6.567
362.00	12.1878	455.96	275.52	6.166	502.00	16.8820	629.66	379.73	6.571
364.00	12.2549	458.44	277.01	6.173	504.00	16.9491	632.14	381.21	6.576
366.00	12.3219	460.92	278.50	6.179	506.00	17.0161	634.62	382.70	6.581
368.00	12.3890	463.40	279.99	6.186	508.00	17.0832	637.10	384.19	6.586
370.00	12.4561	465.89	281.48	6.193	510.00	17.1502	639.58	385.68	6.591
372.00	12.5232	468.37	282.97	6.200	512.00	17.2173	642.06	387.17	6.596
374.00	12.5902	470.85	284.46	6.206	514.00	17.2843	644.54	388.66	6.601
376.00	12.6573	473.33	285.94	6.213	516.00	17.3514	647.03	390.14	6.606
378.00	12.7244	475.81	287.43	6.219	518.00	17.4184	649.51	391.63	6.610
380.00	12.7914	478.29	288.92	6.226	520.00	17.4855	651.99	393.12	6.615
382.00	12.8585	480.78	290.41	6.233	522.00	17.5525	654.47	394.61	6.620
384.00	12.9256	483.26	291.90	6.239	524.00	17.6196	656.95	396.10	6.625
386.00	12.9926	485.74	293.39	6.245	526.00	17.6866	659.43	397.59	6.629
388.00	13.0597	488.22	294.88	6.252	528.00	17.7537	661.91	399.08	6.634
390.00	13.1268	490.70	296.37	6.258	530.00	17.8207	664.39	400.56	6.639
392.00	13.1938	493.18	297.85	6.265	532.00	17.8878	666.87	402.05	6.643
394.00	13.2609	495.67	299.34	6.271	534.00	17.9548	669.35	403.54	6.648
396.00	13.3280	498.15	300.83	6.277	536.00	18.0219	671.84	405.03	6.653
398.00	13.3950	500.63	302.32	6.283	538.00	18.0889	674.32	406.52	6.657
400.00	13.4621	503.11	303.81	6.290	540.00	18.1560	676.80	408.01	6.662

90.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.1060	4.06	2.29	.569
8.00	.1137	5.53	3.63	.770
10.00	.1289	7.62	5.48	1.008
12.00	.1724	11.33	8.46	1.351
14.00	.2716	16.46	11.94	1.747
16.00	.3635	20.49	14.44	2.017
18.00	.4452	23.95	16.53	2.221
20.00	.5211	27.11	18.43	2.387
22.00	.5935	30.11	20.23	2.530
24.00	.6635	33.00	21.95	2.656
26.00	.7317	35.82	23.63	2.769
28.00	.7986	38.58	25.28	2.871
30.00	.8644	41.30	26.90	2.965
32.00	.9295	43.98	28.50	3.052
34.00	.9940	46.64	30.09	3.132
36.00	1.0579	49.28	31.66	3.208
38.00	1.1213	51.90	33.23	3.279
40.00	1.1844	54.51	34.78	3.345
42.00	1.2471	57.11	36.33	3.409
44.00	1.3096	59.69	37.88	3.469
46.00	1.3718	62.26	39.42	3.526
48.00	1.4339	64.83	40.95	3.581
50.00	1.4957	67.39	42.48	3.633
52.00	1.5574	69.95	44.01	3.683
54.00	1.6189	72.50	45.53	3.731
56.00	1.6803	75.04	47.05	3.777
58.00	1.7415	77.58	48.57	3.822
60.00	1.8027	80.12	50.09	3.865
62.00	1.8638	82.65	51.61	3.906
64.00	1.9247	85.18	53.12	3.947
66.00	1.9656	87.70	54.63	3.986
68.00	2.0465	90.23	56.14	4.023
70.00	2.1072	92.75	57.65	4.060
72.00	2.1679	95.27	59.16	4.095
74.00	2.2286	97.78	60.67	4.130
76.00	2.2891	100.30	62.17	4.163
78.00	2.3497	102.81	63.68	4.196
80.00	2.4102	105.33	65.18	4.228
82.00	2.4706	107.84	66.69	4.259
84.00	2.5310	110.34	68.19	4.289
86.00	2.5914	112.85	69.69	4.318
88.00	2.6517	115.36	71.19	4.347
90.00	2.7120	117.86	72.69	4.375
92.00	2.7723	120.37	74.19	4.403
94.00	2.8326	122.87	75.69	4.430
96.00	2.8928	125.37	77.19	4.456
98.00	2.9530	127.88	78.69	4.482
100.00	3.0131	130.38	80.19	4.507
102.00	3.0733	132.88	81.69	4.532
104.00	3.1334	135.37	83.19	4.556
106.00	3.1935	137.87	84.68	4.580
108.00	3.2536	140.37	86.18	4.603
110.00	3.3137	142.87	87.68	4.626
112.00	3.3738	145.37	89.17	4.649
114.00	3.4338	147.86	90.67	4.671
116.00	3.4938	150.36	92.17	4.693
118.00	3.5538	152.85	93.66	4.714
120.00	3.6138	155.35	95.16	4.735
122.00	3.6738	157.84	96.65	4.755
124.00	3.7338	160.33	98.15	4.776
126.00	3.7937	162.83	99.64	4.796
128.00	3.8537	165.32	101.14	4.815
130.00	3.9136	167.81	102.63	4.835
132.00	3.9735	170.31	104.13	4.854
134.00	4.0335	172.80	105.62	4.872
136.00	4.0934	175.29	107.11	4.891
138.00	4.1533	177.78	108.61	4.909
140.00	4.2132	180.27	110.10	4.927
142.00	4.2730	182.76	111.59	4.945
144.00	4.3329	185.25	113.09	4.962
146.00	4.3928	187.74	114.58	4.979
148.00	4.4526	190.23	116.07	4.996
150.00	4.5125	192.72	117.56	5.013
152.00	4.5723	195.21	119.06	5.029
154.00	4.6322	197.70	120.55	5.046
156.00	4.6920	200.19	122.04	5.062
158.00	4.7518	202.68	123.53	5.077
160.00	4.8116	205.17	125.03	5.093
162.00	4.8714	207.65	126.52	5.109
164.00	4.9312	210.14	128.01	5.124
166.00	4.9910	212.63	129.50	5.139
168.00	5.0508	215.12	130.99	5.154
170.00	5.1106	217.60	132.49	5.169
172.00	5.1704	220.09	133.98	5.183
174.00	5.2302	222.58	135.47	5.197
176.00	5.2900	225.07	136.96	5.212
178.00	5.3498	227.55	138.45	5.226
180.00	5.4095	230.04	139.94	5.240
182.00	5.4693	232.53	141.43	5.253
184.00	5.5291	235.01	142.93	5.267
186.00	5.5888	237.50	144.42	5.280
188.00	5.6486	239.99	145.91	5.294
190.00	5.7083	242.47	147.40	5.307
192.00	5.7681	244.96	148.89	5.320
194.00	5.8278	247.44	150.38	5.333
196.00	5.8875	249.93	151.87	5.345
198.00	5.9473	252.42	153.36	5.358
200.00	6.0070	254.90	154.85	5.371
202.00	6.0667	257.39	156.34	5.383
204.00	6.1265	259.87	157.83	5.395
206.00	6.1862	262.36	159.33	5.407
208.00	6.2459	264.84	160.82	5.419
210.00	6.3056	267.33	162.31	5.431
212.00	6.3654	269.81	163.80	5.443
214.00	6.4251	272.30	165.29	5.455
216.00	6.4848	274.78	166.78	5.466
218.00	6.5445	277.27	168.27	5.478
220.00	6.6042	279.75	169.76	5.489
222.00	6.6639	282.24	171.25	5.500
224.00	6.7236	284.72	172.74	5.511
226.00	6.7833	287.21	174.23	5.522
228.00	6.8430	289.69	175.72	5.533
230.00	6.9027	292.17	177.21	5.544
232.00	6.9624	294.66	178.70	5.555
234.00	7.0221	297.14	180.19	5.566
236.00	7.0818	299.63	181.68	5.576
238.00	7.1415	302.11	183.17	5.587
240.00	7.2012	304.60	184.66	5.597
242.00	7.2608	307.08	186.15	5.607
244.00	7.3205	309.56	187.64	5.618
246.00	7.3802	312.05	189.13	5.628
248.00	7.4399	314.53	190.62	5.638
250.00	7.4996	317.01	192.11	5.648
252.00	7.5592	319.50	193.60	5.658
254.00	7.6189	321.98	195.09	5.668
256.00	7.6786	324.47	196.58	5.677
258.00	7.7383	326.95	198.07	5.687
260.00	7.7979	329.43	199.56	5.697

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	7.8576	331.92	201.05	5.706	402.00	12.0323	505.68	305.28	6.237
264.00	7.9173	334.40	202.54	5.715	404.00	12.0919	508.16	306.77	6.244
266.00	7.9769	336.88	204.03	5.725	406.00	12.1515	510.65	308.26	6.250
268.00	8.0366	339.37	205.51	5.734	408.00	12.2111	513.13	309.75	6.256
270.00	8.0963	341.85	207.00	5.743	410.00	12.2707	515.61	311.24	6.262
272.00	8.1559	344.33	208.49	5.753	412.00	12.3304	518.09	312.73	6.268
274.00	8.2156	346.82	209.98	5.762	414.00	12.3900	520.57	314.22	6.274
276.00	8.2753	349.30	211.47	5.771	416.00	12.4496	523.05	315.70	6.280
278.00	8.3349	351.78	212.96	5.780	418.00	12.5092	525.54	317.19	6.286
280.00	8.3946	354.27	214.45	5.789	420.00	12.5688	528.02	318.68	6.292
282.00	8.4542	356.75	215.94	5.797	422.00	12.6284	530.50	320.17	6.298
284.00	8.5139	359.23	217.43	5.806	424.00	12.6880	532.98	321.66	6.304
286.00	8.5735	361.71	218.92	5.815	426.00	12.7477	535.46	323.15	6.309
288.00	8.6332	364.20	220.41	5.824	428.00	12.8073	537.94	324.64	6.315
290.00	8.6929	366.68	221.90	5.832	430.00	12.8669	540.43	326.12	6.321
292.00	8.7525	369.16	223.39	5.841	432.00	12.9265	542.91	327.61	6.327
294.00	8.8122	371.65	224.88	5.849	434.00	12.9861	545.39	329.10	6.332
296.00	8.8718	374.13	226.37	5.858	436.00	13.0457	547.87	330.59	6.338
298.00	8.9315	376.61	227.86	5.866	438.00	13.1053	550.35	332.08	6.344
300.00	8.9911	379.09	229.35	5.874	440.00	13.1649	552.83	333.57	6.349
302.00	9.0508	381.58	230.83	5.882	442.00	13.2246	555.31	335.06	6.355
304.00	9.1104	384.06	232.32	5.891	444.00	13.2842	557.80	336.55	6.361
306.00	9.1700	386.54	233.81	5.899	446.00	13.3438	560.28	338.03	6.366
308.00	9.2297	389.02	235.30	5.907	448.00	13.4034	562.76	339.52	6.372
310.00	9.2893	391.51	236.79	5.915	450.00	13.4630	565.24	341.01	6.377
312.00	9.3490	393.99	238.28	5.923	452.00	13.5226	567.72	342.50	6.383
314.00	9.4086	396.47	239.77	5.931	454.00	13.5822	570.20	343.99	6.388
316.00	9.4683	398.95	241.26	5.939	456.00	13.6418	572.68	345.48	6.394
318.00	9.5279	401.44	242.75	5.947	458.00	13.7014	575.17	346.97	6.399
320.00	9.5875	403.92	244.24	5.954	460.00	13.7610	577.65	348.45	6.405
322.00	9.6472	406.40	245.73	5.962	462.00	13.8206	580.13	349.94	6.410
324.00	9.7068	408.88	247.22	5.970	464.00	13.8803	582.61	351.43	6.415
326.00	9.7665	411.37	248.70	5.977	466.00	13.9399	585.09	352.92	6.421
328.00	9.8261	413.85	250.19	5.985	468.00	13.9995	587.57	354.41	6.426
330.00	9.8857	416.33	251.68	5.992	470.00	14.0591	590.05	355.90	6.431
332.00	9.9454	418.81	253.17	6.000	472.00	14.1187	592.53	357.39	6.437
334.00	10.0050	421.30	254.66	6.007	474.00	14.1783	595.02	358.87	6.442
336.00	10.0646	423.78	256.15	6.015	476.00	14.2379	597.50	360.36	6.447
338.00	10.1243	426.26	257.64	6.022	478.00	14.2975	599.98	361.85	6.452
340.00	10.1839	428.74	259.13	6.030	480.00	14.3571	602.46	363.34	6.457
342.00	10.2435	431.23	260.62	6.037	482.00	14.4167	604.94	364.83	6.463
344.00	10.3032	433.71	262.11	6.044	484.00	14.4763	607.42	366.32	6.468
346.00	10.3628	436.19	263.59	6.051	486.00	14.5359	609.90	367.81	6.473
348.00	10.4224	438.67	265.08	6.058	488.00	14.5955	612.39	369.29	6.478
350.00	10.4821	441.15	266.57	6.066	490.00	14.6551	614.87	370.78	6.483
352.00	10.5417	443.64	268.06	6.073	492.00	14.7147	617.35	372.27	6.488
354.00	10.6013	446.12	269.55	6.080	494.00	14.7743	619.83	373.76	6.493
356.00	10.6610	448.60	271.04	6.087	496.00	14.8340	622.31	375.25	6.498
358.00	10.7206	451.08	272.53	6.094	498.00	14.8936	624.79	376.74	6.503
360.00	10.7802	453.56	274.02	6.100	500.00	14.9532	627.27	378.22	6.508
362.00	10.8398	456.05	275.51	6.107	502.00	15.0128	629.75	379.71	6.513
364.00	10.8995	458.53	277.00	6.114	504.00	15.0724	632.24	381.20	6.518
366.00	10.9591	461.01	278.48	6.121	506.00	15.1320	634.72	382.69	6.523
368.00	11.0187	463.49	279.97	6.128	508.00	15.1916	637.20	384.18	6.528
370.00	11.0783	465.97	281.46	6.134	510.00	15.2512	639.68	385.67	6.533
372.00	11.1380	468.46	282.95	6.141	512.00	15.3108	642.16	387.16	6.538
374.00	11.1976	470.94	284.44	6.148	514.00	15.3704	644.64	388.64	6.542
376.00	11.2572	473.42	285.93	6.154	516.00	15.4300	647.12	390.13	6.547
378.00	11.3168	475.90	287.42	6.161	518.00	15.4896	649.60	391.62	6.552
380.00	11.3765	478.38	288.91	6.168	520.00	15.5492	652.08	393.11	6.557
382.00	11.4361	480.86	290.39	6.174	522.00	15.6088	654.57	394.60	6.561
384.00	11.4957	483.35	291.88	6.181	524.00	15.6684	657.05	396.09	6.566
386.00	11.5553	485.83	293.37	6.187	526.00	15.7280	659.53	397.58	6.571
388.00	11.6149	488.31	294.86	6.193	528.00	15.7876	662.01	399.06	6.576
390.00	11.6746	490.79	296.35	6.200	530.00	15.8472	664.49	400.55	6.580
392.00	11.7342	493.27	297.84	6.206	532.00	15.9068	666.97	402.04	6.585
394.00	11.7938	495.76	299.33	6.212	534.00	15.9664	669.45	403.53	6.590
396.00	11.8534	498.24	300.82	6.219	536.00	16.0260	671.93	405.02	6.594
398.00	11.9130	500.72	302.31	6.225	538.00	16.0856	674.42	406.51	6.599
400.00	11.9727	503.20	303.79	6.231	540.00	16.1452	676.90	407.99	6.604

100.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.1052	4.22	2.27	.564
8.00	.1124	5.66	3.58	.761
10.00	.1259	7.66	5.33	.989
12.00	.1589	10.92	7.98	1.291
14.00	.2368	15.71	11.33	1.660
16.00	.3200	19.91	13.99	1.941
18.00	.3948	23.47	16.17	2.151
20.00	.4642	26.72	18.12	2.322
22.00	.5303	29.77	19.96	2.468
24.00	.5940	32.70	21.71	2.595
26.00	.6560	35.55	23.41	2.709
28.00	.7167	38.34	25.08	2.813
30.00	.7765	41.08	26.71	2.907
32.00	.8354	43.79	28.33	2.995
34.00	.8938	46.47	29.93	3.076
36.00	.9516	49.12	31.51	3.152
38.00	1.0091	51.76	33.08	3.223
40.00	1.0661	54.38	34.65	3.290
42.00	1.1228	56.98	36.20	3.354
44.00	1.1793	59.58	37.75	3.414
46.00	1.2355	62.16	39.30	3.471
48.00	1.2915	64.74	40.84	3.526
50.00	1.3473	67.31	42.37	3.579
52.00	1.4030	69.87	43.90	3.629
54.00	1.4585	72.42	45.43	3.677
56.00	1.5139	74.97	46.96	3.724
58.00	1.5692	77.52	48.48	3.768
60.00	1.6244	80.06	50.00	3.811
62.00	1.6795	82.60	51.52	3.853
64.00	1.7345	85.13	53.03	3.893
66.00	1.7894	87.66	54.55	3.932
68.00	1.8442	90.19	56.06	3.970
70.00	1.8990	92.72	57.57	4.006
72.00	1.9537	95.24	59.08	4.042
74.00	2.0084	97.76	60.59	4.076
76.00	2.0630	100.28	62.10	4.110
78.00	2.1176	102.79	63.61	4.143
80.00	2.1721	105.31	65.11	4.175
82.00	2.2266	107.82	66.62	4.206
84.00	2.2810	110.34	68.12	4.236
86.00	2.3354	112.85	69.63	4.265
88.00	2.3898	115.35	71.13	4.294
90.00	2.4441	117.86	72.63	4.322
92.00	2.4984	120.37	74.13	4.350
94.00	2.5527	122.87	75.63	4.377
96.00	2.6070	125.38	77.14	4.403
98.00	2.6612	127.88	78.64	4.429
100.00	2.7154	130.39	80.14	4.454
102.00	2.7696	132.89	81.63	4.479
104.00	2.8238	135.39	83.13	4.503
106.00	2.8779	137.89	84.63	4.527
108.00	2.9320	140.39	86.13	4.551
110.00	2.9861	142.89	87.63	4.574
112.00	3.0402	145.39	89.12	4.596
114.00	3.0943	147.88	90.62	4.618
116.00	3.1484	150.38	92.12	4.640
118.00	3.2024	152.88	93.61	4.661
120.00	3.2565	155.37	95.11	4.682
122.00	3.3105	157.87	96.61	4.703
124.00	3.3645	160.36	98.10	4.723
126.00	3.4185	162.86	99.60	4.743
128.00	3.4725	165.35	101.09	4.763
130.00	3.5264	167.85	102.59	4.782
132.00	3.5804	170.34	104.08	4.801
134.00	3.6344	172.83	105.58	4.820
136.00	3.6883	175.33	107.07	4.838
138.00	3.7422	177.82	108.56	4.856
140.00	3.7962	180.31	110.06	4.874
142.00	3.8501	182.80	111.55	4.892
144.00	3.9040	185.29	113.05	4.909
146.00	3.9579	187.78	114.54	4.927
148.00	4.0118	190.27	116.03	4.944
150.00	4.0657	192.77	117.53	4.960
152.00	4.1196	195.26	119.02	4.977
154.00	4.1735	197.75	120.51	4.993
156.00	4.2273	200.24	122.01	5.009
158.00	4.2812	202.73	123.50	5.025
160.00	4.3351	205.21	124.99	5.041
162.00	4.3889	207.70	126.48	5.056
164.00	4.4428	210.19	127.98	5.071
166.00	4.4966	212.68	129.47	5.086
168.00	4.5504	215.17	130.96	5.101
170.00	4.6043	217.66	132.45	5.116
172.00	4.6581	220.15	133.94	5.131
174.00	4.7119	222.63	135.44	5.145
176.00	4.7657	225.12	136.93	5.159
178.00	4.8196	227.61	138.42	5.173
180.00	4.8734	230.10	139.91	5.187
182.00	4.9272	232.58	141.40	5.201
184.00	4.9810	235.07	142.89	5.215
186.00	5.0348	237.56	144.39	5.228
188.00	5.0886	240.05	145.88	5.241
190.00	5.1424	242.53	147.37	5.254
192.00	5.1961	245.02	148.86	5.267
194.00	5.2499	247.51	150.35	5.280
196.00	5.3037	249.99	151.84	5.293
198.00	5.3575	252.48	153.33	5.306
200.00	5.4113	254.96	154.82	5.318
202.00	5.4650	257.45	156.32	5.331
204.00	5.5188	259.94	157.81	5.343
206.00	5.5726	262.42	159.30	5.355
208.00	5.6263	264.91	160.79	5.367
210.00	5.6801	267.39	162.28	5.379
212.00	5.7339	269.88	163.77	5.391
214.00	5.7876	272.36	165.26	5.402
216.00	5.8414	274.85	166.75	5.414
218.00	5.8951	277.33	168.24	5.425
220.00	5.9489	279.82	169.73	5.437
222.00	6.0026	282.31	171.22	5.448
224.00	6.0564	284.79	172.71	5.459
226.00	6.1101	287.27	174.20	5.470
228.00	6.1638	289.76	175.69	5.481
230.00	6.2176	292.24	177.18	5.492
232.00	6.2713	294.73	178.67	5.503
234.00	6.3250	297.21	180.16	5.513
236.00	6.3788	299.70	181.65	5.524
238.00	6.4325	302.18	183.14	5.534
240.00	6.4862	304.67	184.63	5.545
242.00	6.5400	307.15	186.12	5.555
244.00	6.5937	309.64	187.61	5.565
246.00	6.6474	312.12	189.10	5.575
248.00	6.7011	314.60	190.59	5.585
250.00	6.7549	317.09	192.08	5.595
252.00	6.8086	319.57	193.57	5.605
254.00	6.8623	322.06	195.06	5.615
256.00	6.9160	324.54	196.55	5.625
258.00	6.9697	327.02	198.04	5.635
260.00	7.0234	329.51	199.53	5.644

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	7.0771	331.99	201.02	5.654	402.00	10.8348	505.77	305.27	6.185
264.00	7.1309	334.48	202.51	5.663	404.00	10.8884	508.26	306.76	6.191
266.00	7.1846	336.96	204.00	5.672	406.00	10.9421	510.74	308.25	6.197
268.00	7.2383	339.44	205.49	5.682	408.00	10.9957	513.22	309.73	6.203
270.00	7.2920	341.93	206.98	5.691	410.00	11.0494	515.70	311.22	6.210
272.00	7.3457	344.41	208.47	5.700	412.00	11.1030	518.18	312.71	6.216
274.00	7.3994	346.89	209.96	5.709	414.00	11.1567	520.66	314.20	6.222
276.00	7.4531	349.38	211.45	5.718	416.00	11.2104	523.15	315.69	6.228
278.00	7.5068	351.86	212.94	5.727	418.00	11.2640	525.63	317.18	6.234
280.00	7.5605	354.34	214.43	5.736	420.00	11.3177	528.11	318.67	6.239
282.00	7.6142	356.83	215.92	5.745	422.00	11.3713	530.59	320.15	6.245
284.00	7.6679	359.31	217.41	5.754	424.00	11.4250	533.07	321.64	6.251
286.00	7.7216	361.79	218.90	5.763	426.00	11.4786	535.55	323.13	6.257
288.00	7.7753	364.28	220.39	5.771	428.00	11.5323	538.04	324.62	6.263
290.00	7.8290	366.76	221.88	5.780	430.00	11.5860	540.52	326.11	6.269
292.00	7.8827	369.24	223.37	5.788	432.00	11.6396	543.00	327.60	6.274
294.00	7.9364	371.73	224.86	5.797	434.00	11.6933	545.48	329.09	6.280
296.00	7.9901	374.21	226.35	5.805	436.00	11.7469	547.96	330.58	6.286
298.00	8.0438	376.69	227.84	5.814	438.00	11.8006	550.44	332.07	6.292
300.00	8.0974	379.18	229.33	5.822	440.00	11.8542	552.93	333.55	6.297
302.00	8.1511	381.66	230.82	5.830	442.00	11.9079	555.41	335.04	6.303
304.00	8.2048	384.14	232.30	5.838	444.00	11.9615	557.89	336.53	6.308
306.00	8.2585	386.62	233.79	5.846	446.00	12.0152	560.37	338.02	6.314
308.00	8.3122	389.11	235.28	5.855	448.00	12.0688	562.85	339.51	6.320
310.00	8.3659	391.59	236.77	5.863	450.00	12.1225	565.33	341.00	6.325
312.00	8.4196	394.07	238.26	5.871	452.00	12.1761	567.82	342.49	6.331
314.00	8.4733	396.56	239.75	5.878	454.00	12.2298	570.30	343.98	6.336
316.00	8.5269	399.04	241.24	5.886	456.00	12.2834	572.78	345.46	6.341
318.00	8.5806	401.52	242.73	5.894	458.00	12.3371	575.26	346.95	6.347
320.00	8.6343	404.00	244.22	5.902	460.00	12.3907	577.74	348.44	6.352
322.00	8.6880	406.49	245.71	5.910	462.00	12.4444	580.22	349.93	6.358
324.00	8.7417	408.97	247.20	5.917	464.00	12.4980	582.70	351.42	6.363
326.00	8.7953	411.45	248.69	5.925	466.00	12.5517	585.19	352.91	6.368
328.00	8.8490	413.93	250.18	5.933	468.00	12.6053	587.67	354.40	6.374
330.00	8.9027	416.42	251.66	5.940	470.00	12.6590	590.15	355.88	6.379
332.00	8.9564	418.90	253.15	5.948	472.00	12.7126	592.63	357.37	6.384
334.00	9.0101	421.38	254.64	5.955	474.00	12.7663	595.11	358.86	6.390
336.00	9.0637	423.86	256.13	5.963	476.00	12.8199	597.59	360.35	6.395
338.00	9.1174	426.35	257.62	5.970	478.00	12.8736	600.07	361.84	6.400
340.00	9.1711	428.83	259.11	5.977	480.00	12.9272	602.56	363.33	6.405
342.00	9.2248	431.31	260.60	5.984	482.00	12.9809	605.04	364.82	6.410
344.00	9.2784	433.79	262.09	5.992	484.00	13.0345	607.52	366.30	6.415
346.00	9.3321	436.28	263.58	5.999	486.00	13.0882	610.00	367.79	6.421
348.00	9.3858	438.76	265.07	6.006	488.00	13.1418	612.48	369.28	6.426
350.00	9.4395	441.24	266.56	6.013	490.00	13.1955	614.96	370.77	6.431
352.00	9.4931	443.72	268.04	6.020	492.00	13.2491	617.44	372.26	6.436
354.00	9.5468	446.20	269.53	6.027	494.00	13.3028	619.93	373.75	6.441
356.00	9.6005	448.69	271.02	6.034	496.00	13.3564	622.41	375.24	6.446
358.00	9.6541	451.17	272.51	6.041	498.00	13.4101	624.89	376.72	6.451
360.00	9.7078	453.65	274.00	6.048	500.00	13.4637	627.37	378.21	6.456
362.00	9.7615	456.13	275.49	6.055	502.00	13.5174	629.85	379.70	6.461
364.00	9.8151	458.62	276.98	6.062	504.00	13.5710	632.33	381.19	6.466
366.00	9.8688	461.10	278.47	6.069	506.00	13.6246	634.81	382.68	6.471
368.00	9.9225	463.58	279.96	6.075	508.00	13.6783	637.29	384.17	6.475
370.00	9.9761	466.06	281.45	6.082	510.00	13.7319	639.78	385.66	6.480
372.00	10.0298	468.54	282.93	6.089	512.00	13.7856	642.26	387.14	6.485
374.00	10.0835	471.03	284.42	6.096	514.00	13.8392	644.74	388.63	6.490
376.00	10.1371	473.51	285.91	6.102	516.00	13.8929	647.22	390.12	6.495
378.00	10.1908	475.99	287.40	6.109	518.00	13.9465	649.70	391.61	6.500
380.00	10.2445	478.47	288.89	6.115	520.00	14.0002	652.18	393.10	6.504
382.00	10.2981	480.95	290.38	6.122	522.00	14.0538	654.66	394.59	6.509
384.00	10.3518	483.44	291.87	6.128	524.00	14.1074	657.14	396.08	6.514
386.00	10.4055	485.92	293.36	6.135	526.00	14.1611	659.63	397.56	6.519
388.00	10.4591	488.40	294.85	6.141	528.00	14.2147	662.11	399.05	6.523
390.00	10.5128	490.88	296.33	6.147	530.00	14.2684	664.59	400.54	6.528
392.00	10.5664	493.36	297.82	6.154	532.00	14.3220	667.07	402.03	6.533
394.00	10.6201	495.85	299.31	6.160	534.00	14.3757	669.55	403.52	6.537
396.00	10.6738	498.33	300.80	6.166	536.00	14.4293	672.03	405.01	6.542
398.00	10.7274	500.81	302.29	6.173	538.00	14.4829	674.51	406.50	6.547
400.00	10.7811	503.29	303.78	6.179	540.00	14.5366	676.99	407.98	6.551

120.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.1038	4.55	2.25	.554
8.00	.1101	5.94	3.50	.745
10.00	.1212	7.81	5.11	.957
12.00	.1438	10.54	7.35	1.214
14.00	.1924	14.56	10.28	1.521
16.00	.2581	18.85	13.11	1.808
18.00	.3213	22.59	15.45	2.029
20.00	.3804	25.97	17.52	2.207
22.00	.4366	29.12	19.43	2.357
24.00	.4907	32.13	21.24	2.488
26.00	.5432	35.05	22.98	2.605
28.00	.5946	37.89	24.68	2.710
30.00	.6451	40.67	26.35	2.807
32.00	.6949	43.42	27.99	2.895
34.00	.7441	46.13	29.61	2.977
36.00	.7928	48.82	31.21	3.054
38.00	.8411	51.48	32.80	3.126
40.00	.8890	54.12	34.38	3.194
42.00	.9367	56.75	35.95	3.258
44.00	.9841	59.36	37.51	3.319
46.00	1.0313	61.96	39.06	3.376
48.00	1.0782	64.56	40.61	3.432
50.00	1.1250	67.14	42.16	3.484
52.00	1.1717	69.72	43.70	3.535
54.00	1.2182	72.28	45.23	3.583
56.00	1.2646	74.85	46.76	3.630
58.00	1.3109	77.40	48.29	3.675
60.00	1.3571	79.96	49.82	3.718
62.00	1.4032	82.50	51.34	3.760
64.00	1.4492	85.05	52.86	3.800
66.00	1.4952	87.59	54.38	3.839
68.00	1.5410	90.12	55.90	3.877
70.00	1.5868	92.66	57.42	3.914
72.00	1.6326	95.19	58.93	3.950
74.00	1.6783	97.71	60.44	3.984
76.00	1.7239	100.24	61.96	4.018
78.00	1.7695	102.76	63.47	4.051
80.00	1.8151	105.28	64.98	4.083
82.00	1.8606	107.80	66.48	4.114
84.00	1.9061	110.32	67.99	4.144
86.00	1.9515	112.84	69.50	4.174
88.00	1.9970	115.35	71.00	4.202
90.00	2.0423	117.86	72.51	4.231
92.00	2.0877	120.37	74.01	4.258
94.00	2.1330	122.88	75.52	4.285
96.00	2.1783	125.39	77.02	4.312
98.00	2.2236	127.90	78.52	4.338
100.00	2.2689	130.41	80.02	4.363
102.00	2.3141	132.91	81.52	4.388
104.00	2.3593	135.42	83.03	4.412
106.00	2.4045	137.92	84.53	4.436
108.00	2.4497	140.43	86.03	4.459
110.00	2.4949	142.93	87.53	4.482
112.00	2.5400	145.43	89.02	4.505
114.00	2.5851	147.93	90.52	4.527
116.00	2.6303	150.43	92.02	4.549
118.00	2.6754	152.93	93.52	4.570
120.00	2.7205	155.43	95.02	4.591
122.00	2.7655	157.93	96.51	4.612
124.00	2.8106	160.43	98.01	4.632
126.00	2.8557	162.92	99.51	4.652
128.00	2.9007	165.42	101.00	4.672
130.00	2.9457	167.92	102.50	4.691
132.00	2.9907	170.41	104.00	4.710
134.00	3.0358	172.91	105.49	4.729
136.00	3.0808	175.40	106.99	4.747
138.00	3.1258	177.90	108.48	4.765
140.00	3.1707	180.39	109.98	4.783
142.00	3.2157	182.88	111.47	4.801
144.00	3.2607	185.38	112.97	4.818
146.00	3.3057	187.87	114.46	4.836
148.00	3.3506	190.36	115.96	4.853
150.00	3.3956	192.86	117.45	4.869
152.00	3.4405	195.35	118.94	4.886
154.00	3.4854	197.84	120.44	4.902
156.00	3.5304	200.33	121.93	4.918
158.00	3.5753	202.82	123.43	4.934
160.00	3.6202	205.31	124.92	4.950
162.00	3.6651	207.80	126.41	4.965
164.00	3.7100	210.29	127.91	4.981
166.00	3.7549	212.78	129.40	4.996
168.00	3.7998	215.28	130.89	5.011
170.00	3.8447	217.76	132.39	5.025
172.00	3.8896	220.25	133.88	5.040
174.00	3.9345	222.74	135.37	5.054
176.00	3.9794	225.23	136.86	5.068
178.00	4.0243	227.72	138.36	5.082
180.00	4.0691	230.21	139.85	5.096
182.00	4.1140	232.70	141.34	5.110
184.00	4.1589	235.19	142.83	5.124
186.00	4.2037	237.68	144.32	5.137
188.00	4.2486	240.16	145.82	5.150
190.00	4.2934	242.65	147.31	5.164
192.00	4.3383	245.14	148.80	5.177
194.00	4.3831	247.63	150.29	5.190
196.00	4.4280	250.12	151.78	5.202
198.00	4.4728	252.60	153.28	5.215
200.00	4.5176	255.09	154.77	5.227
202.00	4.5625	257.58	156.26	5.240
204.00	4.6073	260.06	157.75	5.252
206.00	4.6521	262.55	159.24	5.264
208.00	4.6970	265.04	160.73	5.276
210.00	4.7418	267.52	162.22	5.288
212.00	4.7866	270.01	163.71	5.300
214.00	4.8314	272.50	165.21	5.312
216.00	4.8762	274.98	166.70	5.323
218.00	4.9211	277.47	168.19	5.335
220.00	4.9659	279.96	169.68	5.346
222.00	5.0107	282.44	171.17	5.357
224.00	5.0555	284.93	172.66	5.368
226.00	5.1003	287.41	174.15	5.379
228.00	5.1451	289.90	175.64	5.390
230.00	5.1899	292.38	177.13	5.401
232.00	5.2347	294.87	178.62	5.412
234.00	5.2795	297.36	180.11	5.423
236.00	5.3243	299.84	181.61	5.433
238.00	5.3691	302.33	183.10	5.444
240.00	5.4139	304.81	184.59	5.454
242.00	5.4586	307.30	186.08	5.464
244.00	5.5034	309.78	187.57	5.475
246.00	5.5482	312.27	189.06	5.485
248.00	5.5930	314.75	190.55	5.495
250.00	5.6378	317.24	192.04	5.505
252.00	5.6826	319.72	193.53	5.515
254.00	5.7274	322.21	195.02	5.525
256.00	5.7721	324.69	196.51	5.534
258.00	5.8169	327.17	198.00	5.544
260.00	5.8617	329.66	199.49	5.554

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	5.9065	332.14	200.98	5.563	402.00	9.0385	505.96	305.24	6.095
264.00	5.9512	334.63	202.47	5.572	404.00	9.0832	508.44	306.73	6.101
266.00	5.9960	337.11	203.96	5.582	406.00	9.1279	510.92	308.22	6.107
268.00	6.0408	339.60	205.45	5.591	408.00	9.1726	513.40	309.71	6.113
270.00	6.0855	342.08	206.94	5.600	410.00	9.2174	515.88	311.19	6.119
272.00	6.1303	344.57	208.43	5.610	412.00	9.2621	518.37	312.68	6.125
274.00	6.1751	347.05	209.92	5.619	414.00	9.3068	520.85	314.17	6.131
276.00	6.2198	349.53	211.41	5.628	416.00	9.3515	523.33	315.66	6.137
278.00	6.2646	352.02	212.90	5.637	418.00	9.3962	525.81	317.15	6.143
280.00	6.3094	354.50	214.39	5.646	420.00	9.4410	528.29	318.64	6.149
282.00	6.3541	356.99	215.88	5.654	422.00	9.4857	530.78	320.13	6.155
284.00	6.3989	359.47	217.37	5.663	424.00	9.5304	533.26	321.62	6.161
286.00	6.4437	361.95	218.86	5.672	426.00	9.5751	535.74	323.11	6.167
288.00	6.4884	364.44	220.35	5.681	428.00	9.6198	538.22	324.59	6.172
290.00	6.5332	366.92	221.84	5.689	430.00	9.6646	540.70	326.08	6.178
292.00	6.5779	369.40	223.33	5.698	432.00	9.7093	543.19	327.57	6.184
294.00	6.6227	371.89	224.82	5.706	434.00	9.7540	545.67	329.06	6.190
296.00	6.6674	374.37	226.31	5.715	436.00	9.7987	548.15	330.55	6.195
298.00	6.7122	376.85	227.80	5.723	438.00	9.8434	550.63	332.04	6.201
300.00	6.7569	379.34	229.29	5.731	440.00	9.8881	553.11	333.53	6.207
302.00	6.8017	381.82	230.78	5.740	442.00	9.9329	555.59	335.02	6.212
304.00	6.8465	384.30	232.27	5.748	444.00	9.9776	558.08	336.51	6.218
306.00	6.8912	386.79	233.76	5.756	446.00	10.0223	560.56	337.99	6.223
308.00	6.9360	389.27	235.25	5.764	448.00	10.0670	563.04	339.48	6.229
310.00	6.9807	391.75	236.73	5.772	450.00	10.1117	565.52	340.97	6.235
312.00	7.0255	394.24	238.22	5.780	452.00	10.1564	568.00	342.46	6.240
314.00	7.0702	396.72	239.71	5.788	454.00	10.2011	570.49	343.95	6.246
316.00	7.1149	399.20	241.20	5.796	456.00	10.2459	572.97	345.44	6.251
318.00	7.1597	401.69	242.69	5.804	458.00	10.2906	575.45	346.93	6.256
320.00	7.2044	404.17	244.18	5.811	460.00	10.3353	577.93	348.42	6.262
322.00	7.2492	406.65	245.67	5.819	462.00	10.3800	580.41	349.90	6.267
324.00	7.2939	409.14	247.16	5.827	464.00	10.4247	582.89	351.39	6.273
326.00	7.3387	411.62	248.65	5.834	466.00	10.4694	585.38	352.88	6.278
328.00	7.3834	414.10	250.14	5.842	468.00	10.5141	587.86	354.37	6.283
330.00	7.4282	416.59	251.63	5.850	470.00	10.5589	590.34	355.86	6.289
332.00	7.4729	419.07	253.12	5.857	472.00	10.6036	592.82	357.35	6.294
334.00	7.5176	421.55	254.61	5.865	474.00	10.6483	595.30	358.84	6.299
336.00	7.5624	424.03	256.10	5.872	476.00	10.6930	597.78	360.33	6.304
338.00	7.6071	426.52	257.59	5.879	478.00	10.7377	600.27	361.81	6.309
340.00	7.6518	429.00	259.08	5.887	480.00	10.7824	602.75	363.30	6.315
342.00	7.6966	431.48	260.57	5.894	482.00	10.8271	605.23	364.79	6.320
344.00	7.7413	433.97	262.05	5.901	484.00	10.8718	607.71	366.28	6.325
346.00	7.7861	436.45	263.54	5.908	486.00	10.9165	610.19	367.77	6.330
348.00	7.8308	438.93	265.03	5.916	488.00	10.9613	612.67	369.26	6.335
350.00	7.8755	441.41	266.52	5.923	490.00	11.0060	615.16	370.75	6.340
352.00	7.9203	443.90	268.01	5.930	492.00	11.0507	617.64	372.23	6.345
354.00	7.9650	446.38	269.50	5.937	494.00	11.0954	620.12	373.72	6.350
356.00	8.0097	448.86	270.99	5.944	496.00	11.1401	622.60	375.21	6.355
358.00	8.0545	451.34	272.48	5.951	498.00	11.1848	625.08	376.70	6.360
360.00	8.0992	453.83	273.97	5.958	500.00	11.2295	627.56	378.19	6.365
362.00	8.1439	456.31	275.46	5.964	502.00	11.2742	630.04	379.68	6.370
364.00	8.1887	458.79	276.95	5.971	504.00	11.3189	632.53	381.17	6.375
366.00	8.2334	461.27	278.44	5.978	506.00	11.3636	635.01	382.66	6.380
368.00	8.2781	463.76	279.93	5.985	508.00	11.4084	637.49	384.14	6.385
370.00	8.3229	466.24	281.41	5.992	510.00	11.4531	639.97	385.63	6.390
372.00	8.3676	468.72	282.90	5.998	512.00	11.4978	642.45	387.12	6.395
374.00	8.4123	471.20	284.39	6.005	514.00	11.5425	644.93	388.61	6.400
376.00	8.4570	473.69	285.88	6.012	516.00	11.5872	647.41	390.10	6.404
378.00	8.5018	476.17	287.37	6.018	518.00	11.6319	649.90	391.59	6.409
380.00	8.5465	478.65	288.86	6.025	520.00	11.6766	652.38	393.08	6.414
382.00	8.5912	481.13	290.35	6.031	522.00	11.7213	654.86	394.56	6.419
384.00	8.6359	483.62	291.84	6.038	524.00	11.7660	657.34	396.05	6.423
386.00	8.6807	486.10	293.33	6.044	526.00	11.8107	659.82	397.54	6.428
388.00	8.7254	488.58	294.82	6.051	528.00	11.8554	662.30	399.03	6.433
390.00	8.7701	491.06	296.30	6.057	530.00	11.9001	664.78	400.52	6.438
392.00	8.8149	493.54	297.79	6.063	532.00	11.9448	667.27	402.01	6.442
394.00	8.8596	496.03	299.28	6.070	534.00	11.9895	669.75	403.50	6.447
396.00	8.9043	498.51	300.77	6.076	536.00	12.0343	672.23	404.98	6.452
398.00	8.9490	500.99	302.26	6.082	538.00	12.0790	674.71	406.47	6.456
400.00	8.9937	503.47	303.75	6.088	540.00	12.1237	677.19	407.96	6.461

140.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.1025	4.88	2.23	.546
8.00	.1081	6.24	3.43	.731
10.00	.1177	7.99	4.95	.932
12.00	.1350	10.44	6.94	1.162
14.00	.1682	13.86	9.50	1.424
16.00	.2182	17.97	12.31	1.698
18.00	.2713	21.80	14.77	1.924
20.00	.3223	25.28	16.93	2.108
22.00	.3710	28.52	18.91	2.263
24.00	.4180	31.61	20.78	2.397
26.00	.4637	34.58	22.56	2.516
28.00	.5083	37.47	24.30	2.623
30.00	.5520	40.29	25.99	2.720
32.00	.5951	43.07	27.66	2.810
34.00	.6377	45.82	29.30	2.893
36.00	.6798	48.53	30.92	2.971
38.00	.7216	51.22	32.52	3.043
40.00	.7630	53.88	34.11	3.112
42.00	.8041	56.53	35.70	3.176
44.00	.8450	59.16	37.27	3.237
46.00	.8857	61.78	38.83	3.296
48.00	.9262	64.39	40.39	3.351
50.00	.9665	66.99	41.94	3.404
52.00	1.0067	69.57	43.49	3.455
54.00	1.0468	72.16	45.03	3.504
56.00	1.0868	74.73	46.57	3.550
58.00	1.1266	77.30	48.11	3.596
60.00	1.1664	79.86	49.64	3.639
62.00	1.2060	82.42	51.17	3.681
64.00	1.2456	84.97	52.70	3.721
66.00	1.2852	87.52	54.22	3.761
68.00	1.3246	90.06	55.74	3.799
70.00	1.3640	92.60	57.26	3.835
72.00	1.4033	95.14	58.78	3.871
74.00	1.4426	97.67	60.30	3.906
76.00	1.4819	100.21	61.81	3.940
78.00	1.5211	102.74	63.33	3.972
80.00	1.5602	105.26	64.84	4.004
82.00	1.5993	107.79	66.35	4.036
84.00	1.6384	110.31	67.86	4.066
86.00	1.6774	112.83	69.37	4.096
88.00	1.7165	115.35	70.88	4.125
90.00	1.7554	117.87	72.39	4.153
92.00	1.7944	120.38	73.89	4.181
94.00	1.8333	122.90	75.40	4.208
96.00	1.8722	125.41	76.91	4.234
98.00	1.9111	127.92	78.41	4.260
100.00	1.9500	130.43	79.91	4.285
102.00	1.9888	132.94	81.42	4.310
104.00	2.0277	135.45	82.92	4.335
106.00	2.0665	137.96	84.42	4.358
108.00	2.1052	140.47	85.92	4.382
110.00	2.1440	142.97	87.42	4.405
112.00	2.1828	145.48	88.92	4.427
114.00	2.2215	147.98	90.43	4.450
116.00	2.2602	150.48	91.93	4.471
118.00	2.2989	152.99	93.42	4.493
120.00	2.3376	155.49	94.92	4.514
122.00	2.3763	157.99	96.42	4.534
124.00	2.4150	160.49	97.92	4.555
126.00	2.4537	162.99	99.42	4.575
128.00	2.4923	165.49	100.92	4.594
130.00	2.5310	167.99	102.41	4.614
132.00	2.5696	170.48	103.91	4.633
134.00	2.6082	172.98	105.41	4.652
136.00	2.6468	175.48	106.91	4.670
138.00	2.6855	177.98	108.40	4.688
140.00	2.7241	180.47	109.90	4.706
142.00	2.7626	182.97	111.39	4.724
144.00	2.8012	185.46	112.89	4.741
146.00	2.8398	187.96	114.38	4.759
148.00	2.8784	190.45	115.88	4.776
150.00	2.9169	192.95	117.38	4.792
152.00	2.9555	195.44	118.87	4.809
154.00	2.9940	197.94	120.37	4.825
156.00	3.0326	200.43	121.86	4.841
158.00	3.0711	202.92	123.35	4.857
160.00	3.1097	205.41	124.85	4.873
162.00	3.1482	207.91	126.34	4.888
164.00	3.1867	210.40	127.84	4.904
166.00	3.2252	212.89	129.33	4.919
168.00	3.2637	215.38	130.82	4.934
170.00	3.3022	217.87	132.32	4.948
172.00	3.3407	220.36	133.81	4.963
174.00	3.3792	222.85	135.31	4.977
176.00	3.4177	225.35	136.80	4.992
178.00	3.4562	227.84	138.29	5.006
180.00	3.4947	230.33	139.78	5.020
182.00	3.5332	232.82	141.28	5.033
184.00	3.5717	235.31	142.77	5.047
186.00	3.6101	237.79	144.26	5.060
188.00	3.6486	240.28	145.76	5.074
190.00	3.6871	242.77	147.25	5.087
192.00	3.7255	245.26	148.74	5.100
194.00	3.7640	247.75	150.23	5.113
196.00	3.8025	250.24	151.73	5.126
198.00	3.8409	252.73	153.22	5.138
200.00	3.8794	255.22	154.71	5.151
202.00	3.9178	257.70	156.20	5.163
204.00	3.9563	260.19	157.69	5.175
206.00	3.9947	262.68	159.19	5.187
208.00	4.0331	265.17	160.68	5.199
210.00	4.0716	267.66	162.17	5.211
212.00	4.1100	270.14	163.66	5.223
214.00	4.1484	272.63	165.15	5.235
216.00	4.1869	275.12	166.64	5.246
218.00	4.2253	277.61	168.14	5.258
220.00	4.2637	280.09	169.63	5.269
222.00	4.3022	282.58	171.12	5.280
224.00	4.3406	285.07	172.61	5.292
226.00	4.3790	287.55	174.10	5.303
228.00	4.4174	290.04	175.59	5.314
230.00	4.4558	292.53	177.08	5.325
232.00	4.4942	295.01	178.57	5.335
234.00	4.5327	297.50	180.07	5.346
236.00	4.5711	299.98	181.56	5.357
238.00	4.6095	302.47	183.05	5.367
240.00	4.6479	304.96	184.54	5.377
242.00	4.6863	307.44	186.03	5.388
244.00	4.7247	309.93	187.52	5.398
246.00	4.7631	312.41	189.01	5.408
248.00	4.8015	314.90	190.50	5.418
250.00	4.8399	317.38	191.99	5.428
252.00	4.8783	319.87	193.48	5.438
254.00	4.9167	322.36	194.97	5.448
256.00	4.9551	324.84	196.46	5.458
258.00	4.9935	327.33	197.95	5.467
260.00	5.0319	329.81	199.45	5.477

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	5.0703	332.30	200.94	5.486	402.00	7.7554	506.14	305.21	6.018
264.00	5.1086	334.78	202.43	5.496	404.00	7.7938	508.62	306.70	6.024
266.00	5.1470	337.27	203.92	5.505	406.00	7.8321	511.10	308.19	6.030
268.00	5.1854	339.75	205.41	5.515	408.00	7.8704	513.58	309.68	6.036
270.00	5.2238	342.24	206.90	5.524	410.00	7.9088	516.07	311.17	6.042
272.00	5.2622	344.72	208.39	5.533	412.00	7.9471	518.55	312.66	6.049
274.00	5.3006	347.21	209.88	5.542	414.00	7.9854	521.03	314.14	6.055
276.00	5.3390	349.69	211.37	5.551	416.00	8.0238	523.51	315.63	6.061
278.00	5.3773	352.17	212.86	5.560	418.00	8.0621	526.00	317.12	6.066
280.00	5.4157	354.66	214.35	5.569	420.00	8.1005	528.48	318.61	6.072
282.00	5.4541	357.14	215.84	5.578	422.00	8.1388	530.96	320.10	6.078
284.00	5.4925	359.63	217.33	5.587	424.00	8.1771	533.44	321.59	6.084
286.00	5.5308	362.11	218.82	5.595	426.00	8.2155	535.93	323.08	6.090
288.00	5.5692	364.60	220.31	5.604	428.00	8.2538	538.41	324.57	6.096
290.00	5.6076	367.08	221.80	5.613	430.00	8.2921	540.89	326.06	6.102
292.00	5.6460	369.56	223.29	5.621	432.00	8.3305	543.37	327.55	6.107
294.00	5.6843	372.05	224.78	5.630	434.00	8.3688	545.85	329.03	6.113
296.00	5.7227	374.53	226.27	5.638	436.00	8.4071	548.34	330.52	6.119
298.00	5.7611	377.02	227.76	5.646	438.00	8.4455	550.82	332.01	6.124
300.00	5.7995	379.50	229.25	5.655	440.00	8.4838	553.30	333.50	6.130
302.00	5.8378	381.98	230.74	5.663	442.00	8.5221	555.78	334.99	6.136
304.00	5.8762	384.47	232.23	5.671	444.00	8.5605	558.26	336.48	6.141
306.00	5.9146	386.95	233.72	5.679	446.00	8.5988	560.75	337.97	6.147
308.00	5.9529	389.44	235.21	5.687	448.00	8.6371	563.23	339.46	6.152
310.00	5.9913	391.92	236.70	5.695	450.00	8.6755	565.71	340.95	6.158
312.00	6.0297	394.40	238.19	5.703	452.00	8.7138	568.19	342.43	6.164
314.00	6.0680	396.89	239.68	5.711	454.00	8.7521	570.67	343.92	6.169
316.00	6.1064	399.37	241.17	5.719	456.00	8.7905	573.16	345.41	6.174
318.00	6.1447	401.85	242.66	5.727	458.00	8.8288	575.64	346.90	6.180
320.00	6.1831	404.34	244.15	5.735	460.00	8.8671	578.12	348.39	6.185
322.00	6.2215	406.82	245.64	5.743	462.00	8.9054	580.60	349.88	6.191
324.00	6.2598	409.31	247.13	5.750	464.00	8.9438	583.08	351.37	6.196
326.00	6.2982	411.79	248.61	5.758	466.00	8.9821	585.57	352.86	6.201
328.00	6.3365	414.27	250.10	5.765	468.00	9.0204	588.05	354.35	6.207
330.00	6.3749	416.76	251.59	5.773	470.00	9.0588	590.53	355.83	6.212
332.00	6.4133	419.24	253.08	5.781	472.00	9.0971	593.01	357.32	6.217
334.00	6.4516	421.72	254.57	5.788	474.00	9.1354	595.49	358.81	6.222
336.00	6.4900	424.21	256.06	5.795	476.00	9.1737	597.97	360.30	6.228
338.00	6.5283	426.69	257.55	5.803	478.00	9.2121	600.46	361.79	6.233
340.00	6.5667	429.17	259.04	5.810	480.00	9.2504	602.94	363.28	6.238
342.00	6.6050	431.66	260.53	5.817	482.00	9.2887	605.42	364.77	6.243
344.00	6.6434	434.14	262.02	5.825	484.00	9.3271	607.90	366.26	6.248
346.00	6.6817	436.62	263.51	5.832	486.00	9.3654	610.38	367.74	6.254
348.00	6.7201	439.10	265.00	5.839	488.00	9.4037	612.87	369.23	6.259
350.00	6.7584	441.59	266.49	5.846	490.00	9.4420	615.35	370.72	6.264
352.00	6.7968	444.07	267.98	5.853	492.00	9.4804	617.83	372.21	6.269
354.00	6.8351	446.55	269.47	5.860	494.00	9.5187	620.31	373.70	6.274
356.00	6.8735	449.04	270.96	5.867	496.00	9.5570	622.79	375.19	6.279
358.00	6.9118	451.52	272.45	5.874	498.00	9.5953	625.27	376.68	6.284
360.00	6.9502	454.00	273.94	5.881	500.00	9.6337	627.76	378.17	6.289
362.00	6.9885	456.49	275.43	5.888	502.00	9.6720	630.24	379.65	6.294
364.00	7.0269	458.97	276.91	5.895	504.00	9.7103	632.72	381.14	6.299
366.00	7.0652	461.45	278.40	5.902	506.00	9.7486	635.20	382.63	6.304
368.00	7.1036	463.93	279.89	5.908	508.00	9.7870	637.68	384.12	6.308
370.00	7.1419	466.42	281.38	5.915	510.00	9.8253	640.16	385.61	6.313
372.00	7.1803	468.90	282.87	5.922	512.00	9.8636	642.65	387.10	6.318
374.00	7.2186	471.38	284.36	5.928	514.00	9.9019	645.13	388.59	6.323
376.00	7.2570	473.86	285.85	5.935	516.00	9.9403	647.61	390.08	6.328
378.00	7.2953	476.35	287.34	5.942	518.00	9.9786	650.09	391.56	6.333
380.00	7.3337	478.83	288.83	5.948	520.00	10.0169	652.57	393.05	6.337
382.00	7.3720	481.31	290.32	5.955	522.00	10.0552	655.05	394.54	6.342
384.00	7.4103	483.80	291.81	5.961	524.00	10.0936	657.54	396.03	6.347
386.00	7.4487	486.28	293.30	5.968	526.00	10.1319	660.02	397.52	6.352
388.00	7.4870	488.76	294.79	5.974	528.00	10.1702	662.50	399.01	6.356
390.00	7.5254	491.24	296.27	5.980	530.00	10.2085	664.98	400.50	6.361
392.00	7.5637	493.73	297.76	5.987	532.00	10.2469	667.46	401.99	6.366
394.00	7.6021	496.21	299.25	5.993	534.00	10.2852	669.94	403.47	6.370
396.00	7.6404	498.69	300.74	5.999	536.00	10.3235	672.42	404.96	6.375
398.00	7.6787	501.17	302.23	6.006	538.00	10.3618	674.91	406.45	6.380
400.00	7.7171	503.66	303.72	6.012	540.00	10.4001	677.39	407.94	6.384

160.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.1013	5.21	2.21	.538
8.00	.1064	6.53	3.38	.718
10.00	.1148	8.21	4.81	.911
12.00	.1290	10.47	6.65	1.124
14.00	.1537	13.49	8.94	1.356
16.00	.1918	17.30	11.62	1.610
18.00	.2361	21.12	14.13	1.835
20.00	.2803	24.67	16.37	2.022
22.00	.3230	27.98	18.41	2.180
24.00	.3645	31.12	20.33	2.316
26.00	.4048	34.14	22.16	2.437
28.00	.4441	37.07	23.92	2.546
30.00	.4828	39.94	25.65	2.645
32.00	.5208	42.75	27.33	2.736
34.00	.5584	45.52	28.99	2.820
36.00	.5955	48.26	30.63	2.898
38.00	.6323	50.97	32.25	2.971
40.00	.6688	53.66	33.86	3.040
42.00	.7050	56.32	35.45	3.105
44.00	.7410	58.97	37.03	3.167
46.00	.7768	61.61	38.61	3.225
48.00	.8124	64.23	40.18	3.281
50.00	.8479	66.84	41.74	3.334
52.00	.8833	69.44	43.29	3.385
54.00	.9185	72.04	44.84	3.434
56.00	.9536	74.62	46.39	3.481
58.00	.9886	77.20	47.93	3.527
60.00	1.0235	79.77	49.47	3.570
62.00	1.0583	82.34	51.00	3.612
64.00	1.0931	84.90	52.53	3.653
66.00	1.1278	87.45	54.06	3.692
68.00	1.1624	90.01	55.59	3.730
70.00	1.1970	92.55	57.11	3.767
72.00	1.2315	95.10	58.63	3.803
74.00	1.2660	97.64	60.15	3.838
76.00	1.3004	100.18	61.67	3.872
78.00	1.3348	102.71	63.19	3.905
80.00	1.3691	105.25	64.71	3.937
82.00	1.4035	107.78	66.22	3.968
84.00	1.4377	110.30	67.73	3.998
86.00	1.4720	112.83	69.25	4.028
88.00	1.5062	115.35	70.76	4.057
90.00	1.5404	117.88	72.27	4.085
92.00	1.5745	120.40	73.78	4.113
94.00	1.6086	122.92	75.28	4.140
96.00	1.6427	125.43	76.79	4.167
98.00	1.6768	127.95	78.30	4.193
100.00	1.7109	130.46	79.80	4.218
102.00	1.7449	132.98	81.31	4.243
104.00	1.7790	135.49	82.81	4.267
106.00	1.8130	138.00	84.32	4.291
108.00	1.8470	140.51	85.82	4.315
110.00	1.8809	143.02	87.32	4.338
112.00	1.9149	145.53	88.83	4.360
114.00	1.9488	148.03	90.33	4.383
116.00	1.9828	150.54	91.83	4.404
118.00	2.0167	153.04	93.33	4.426
120.00	2.0506	155.55	94.83	4.447
122.00	2.0845	158.05	96.33	4.467
124.00	2.1184	160.55	97.83	4.488
126.00	2.1522	163.06	99.33	4.508
128.00	2.1861	165.56	100.83	4.528
130.00	2.2199	168.06	102.33	4.547
132.00	2.2538	170.56	103.83	4.566
134.00	2.2876	173.06	105.33	4.585
136.00	2.3214	175.56	106.82	4.603
138.00	2.3553	178.06	108.32	4.622
140.00	2.3891	180.56	109.82	4.640
142.00	2.4229	183.05	111.32	4.657
144.00	2.4566	185.55	112.81	4.675
146.00	2.4904	188.05	114.31	4.692
148.00	2.5242	190.54	115.80	4.709
150.00	2.5580	193.04	117.30	4.726
152.00	2.5917	195.54	118.80	4.742
154.00	2.6255	198.03	120.29	4.759
156.00	2.6593	200.53	121.79	4.775
158.00	2.6930	203.02	123.28	4.790
160.00	2.7267	205.52	124.78	4.806
162.00	2.7605	208.01	126.27	4.822
164.00	2.7942	210.50	127.77	4.837
166.00	2.8279	213.00	129.26	4.852
168.00	2.8617	215.49	130.76	4.867
170.00	2.8954	217.98	132.25	4.882
172.00	2.9291	220.47	133.75	4.896
174.00	2.9628	222.97	135.24	4.911
176.00	2.9965	225.46	136.73	4.925
178.00	3.0302	227.95	138.23	4.939
180.00	3.0639	230.44	139.72	4.953
182.00	3.0976	232.93	141.22	4.967
184.00	3.1313	235.42	142.71	4.980
186.00	3.1650	237.91	144.20	4.994
188.00	3.1986	240.41	145.70	5.007
190.00	3.2323	242.90	147.19	5.020
192.00	3.2660	245.39	148.68	5.033
194.00	3.2997	247.88	150.17	5.046
196.00	3.3333	250.37	151.67	5.059
198.00	3.3670	252.85	153.16	5.072
200.00	3.4007	255.34	154.65	5.084
202.00	3.4343	257.83	156.15	5.097
204.00	3.4680	260.32	157.64	5.109
206.00	3.5016	262.81	159.13	5.121
208.00	3.5353	265.30	160.62	5.133
210.00	3.5689	267.79	162.12	5.145
212.00	3.6026	270.28	163.61	5.157
214.00	3.6362	272.77	165.10	5.168
216.00	3.6699	275.25	166.59	5.180
218.00	3.7035	277.74	168.08	5.191
220.00	3.7371	280.23	169.58	5.203
222.00	3.7708	282.72	171.07	5.214
224.00	3.8044	285.20	172.56	5.225
226.00	3.8380	287.69	174.05	5.236
228.00	3.8717	290.18	175.54	5.247
230.00	3.9053	292.67	177.03	5.258
232.00	3.9389	295.15	178.53	5.269
234.00	3.9726	297.64	180.02	5.279
236.00	4.0062	300.13	181.51	5.290
238.00	4.0398	302.61	183.00	5.301
240.00	4.0734	305.10	184.49	5.311
242.00	4.1070	307.59	185.98	5.321
244.00	4.1406	310.07	187.47	5.332
246.00	4.1743	312.56	188.96	5.342
248.00	4.2079	315.05	190.46	5.352
250.00	4.2415	317.53	191.95	5.362
252.00	4.2751	320.02	193.44	5.372
254.00	4.3087	322.51	194.93	5.381
256.00	4.3423	324.99	196.42	5.391
258.00	4.3759	327.48	197.91	5.401
260.00	4.4095	329.96	199.40	5.410

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	4.4431	332.45	200.89	5.420	402.00	6.7931	506.32	305.18	5.952
264.00	4.4767	334.93	202.38	5.429	404.00	6.8267	508.80	306.67	5.958
266.00	4.5103	337.42	203.87	5.439	406.00	6.8602	511.29	308.16	5.964
268.00	4.5439	339.91	205.36	5.448	408.00	6.8938	513.77	309.65	5.970
270.00	4.5775	342.39	206.85	5.457	410.00	6.9273	516.25	311.14	5.976
272.00	4.6111	344.88	208.34	5.467	412.00	6.9609	518.73	312.63	5.982
274.00	4.6447	347.36	209.84	5.476	414.00	6.9944	521.22	314.12	5.988
276.00	4.6783	349.85	211.33	5.485	416.00	7.0280	523.70	315.61	5.994
278.00	4.7119	352.33	212.82	5.494	418.00	7.0615	526.18	317.09	6.000
280.00	4.7455	354.82	214.31	5.503	420.00	7.0951	528.66	318.58	6.006
282.00	4.7791	357.30	215.80	5.511	422.00	7.1286	531.15	320.07	6.012
284.00	4.8127	359.79	217.29	5.520	424.00	7.1622	533.63	321.56	6.018
286.00	4.8462	362.27	218.78	5.529	426.00	7.1957	536.11	323.05	6.024
288.00	4.8798	364.76	220.27	5.538	428.00	7.2293	538.59	324.54	6.029
290.00	4.9134	367.24	221.76	5.546	430.00	7.2628	541.08	326.03	6.035
292.00	4.9470	369.73	223.25	5.555	432.00	7.2964	543.56	327.52	6.041
294.00	4.9806	372.21	224.74	5.563	434.00	7.3299	546.04	329.01	6.047
296.00	5.0142	374.70	226.23	5.572	436.00	7.3634	548.52	330.50	6.052
298.00	5.0478	377.18	227.72	5.580	438.00	7.3970	551.00	331.99	6.058
300.00	5.0813	379.66	229.21	5.588	440.00	7.4305	553.49	333.47	6.064
302.00	5.1149	382.15	230.70	5.597	442.00	7.4641	555.97	334.96	6.069
304.00	5.1485	384.63	232.19	5.605	444.00	7.4976	558.45	336.45	6.075
306.00	5.1821	387.12	233.68	5.613	446.00	7.5312	560.93	337.94	6.081
308.00	5.2157	389.60	235.17	5.621	448.00	7.5647	563.42	339.43	6.086
310.00	5.2492	392.09	236.66	5.629	450.00	7.5983	565.90	340.92	6.092
312.00	5.2828	394.57	238.15	5.637	452.00	7.6318	568.38	342.41	6.097
314.00	5.3164	397.05	239.64	5.645	454.00	7.6653	570.86	343.90	6.103
316.00	5.3500	399.54	241.13	5.653	456.00	7.6989	573.34	345.39	6.108
318.00	5.3835	402.02	242.62	5.661	458.00	7.7324	575.83	346.88	6.114
320.00	5.4171	404.51	244.11	5.668	460.00	7.7660	578.31	348.36	6.119
322.00	5.4507	406.99	245.60	5.676	462.00	7.7995	580.79	349.85	6.124
324.00	5.4843	409.47	247.09	5.684	464.00	7.8331	583.27	351.34	6.130
326.00	5.5178	411.96	248.58	5.692	466.00	7.8666	585.76	352.83	6.135
328.00	5.5514	414.44	250.07	5.699	468.00	7.9001	588.24	354.32	6.140
330.00	5.5850	416.93	251.56	5.707	470.00	7.9337	590.72	355.81	6.146
332.00	5.6185	419.41	253.05	5.714	472.00	7.9672	593.20	357.30	6.151
334.00	5.6521	421.89	254.54	5.722	474.00	8.0008	595.68	358.79	6.156
336.00	5.6857	424.38	256.03	5.729	476.00	8.0343	598.17	360.28	6.161
338.00	5.7192	426.86	257.52	5.736	478.00	8.0679	600.65	361.77	6.167
340.00	5.7528	429.34	259.01	5.744	480.00	8.1014	603.13	363.25	6.172
342.00	5.7864	431.83	260.50	5.751	482.00	8.1349	605.61	364.74	6.177
344.00	5.8199	434.31	261.99	5.758	484.00	8.1685	608.09	366.23	6.182
346.00	5.8535	436.79	263.48	5.765	486.00	8.2020	610.58	367.72	6.187
348.00	5.8871	439.28	264.97	5.773	488.00	8.2356	613.06	369.21	6.192
350.00	5.9206	441.76	266.46	5.780	490.00	8.2691	615.54	370.70	6.197
352.00	5.9542	444.24	267.95	5.787	492.00	8.3026	618.02	372.19	6.202
354.00	5.9878	446.73	269.44	5.794	494.00	8.3362	620.50	373.68	6.207
356.00	6.0213	449.21	270.92	5.801	496.00	8.3697	622.99	375.16	6.212
358.00	6.0549	451.69	272.41	5.808	498.00	8.4032	625.47	376.65	6.217
360.00	6.0884	454.18	273.90	5.815	500.00	8.4368	627.95	378.14	6.222
362.00	6.1220	456.66	275.39	5.822	502.00	8.4703	630.43	379.63	6.227
364.00	6.1556	459.14	276.88	5.828	504.00	8.5039	632.91	381.12	6.232
366.00	6.1891	461.63	278.37	5.835	506.00	8.5374	635.39	382.61	6.237
368.00	6.2227	464.11	279.86	5.842	508.00	8.5709	637.88	384.10	6.242
370.00	6.2562	466.59	281.35	5.849	510.00	8.6045	640.36	385.59	6.247
372.00	6.2898	469.08	282.84	5.855	512.00	8.6380	642.84	387.08	6.252
374.00	6.3234	471.56	284.33	5.862	514.00	8.6715	645.32	388.56	6.257
376.00	6.3569	474.04	285.82	5.869	516.00	8.7051	647.80	390.05	6.262
378.00	6.3905	476.53	287.31	5.875	518.00	8.7386	650.29	391.54	6.266
380.00	6.4240	479.01	288.80	5.882	520.00	8.7722	652.77	393.03	6.271
382.00	6.4576	481.49	290.29	5.888	522.00	8.8057	655.25	394.52	6.276
384.00	6.4911	483.97	291.78	5.895	524.00	8.8392	657.73	396.01	6.281
386.00	6.5247	486.46	293.27	5.901	526.00	8.8728	660.21	397.50	6.285
388.00	6.5582	488.94	294.76	5.908	528.00	8.9063	662.69	398.99	6.290
390.00	6.5918	491.42	296.25	5.914	530.00	8.9398	665.18	400.47	6.295
392.00	6.6254	493.91	297.73	5.920	532.00	8.9734	667.66	401.96	6.299
394.00	6.6589	496.39	299.22	5.927	534.00	9.0069	670.14	403.45	6.304
396.00	6.6925	498.87	300.71	5.933	536.00	9.0404	672.62	404.94	6.309
398.00	6.7260	501.35	302.20	5.939	538.00	9.0740	675.10	406.43	6.313
400.00	6.7596	503.84	303.69	5.945	540.00	9.1075	677.58	407.92	6.318

180.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.1002	5.54	2.20	.531
8.00	.1049	6.83	3.34	.707
10.00	.1124	8.45	4.70	.892
12.00	.1244	10.56	6.42	1.093
14.00	.1441	13.32	8.52	1.304
16.00	.1738	16.84	11.05	1.539
18.00	.2105	20.57	13.56	1.758
20.00	.2489	24.13	15.84	1.946
22.00	.2867	27.49	17.94	2.106
24.00	.3236	30.68	19.90	2.245
26.00	.3596	33.74	21.76	2.368
28.00	.3948	36.71	23.56	2.478
30.00	.4294	39.61	25.31	2.578
32.00	.4635	42.46	27.02	2.670
34.00	.4971	45.25	28.70	2.754
36.00	.5303	48.01	30.35	2.833
38.00	.5632	50.74	31.98	2.907
40.00	.5958	53.45	33.60	2.976
42.00	.6282	56.13	35.21	3.042
44.00	.6604	58.80	36.80	3.104
46.00	.6923	61.45	38.39	3.163
48.00	.7242	64.09	39.96	3.219
50.00	.7558	66.71	41.53	3.272
52.00	.7874	69.32	43.09	3.324
54.00	.8188	71.93	44.65	3.373
56.00	.8502	74.52	46.20	3.420
58.00	.8814	77.11	47.75	3.465
60.00	.9125	79.69	49.29	3.509
62.00	.9436	82.26	50.83	3.551
64.00	.9746	84.83	52.37	3.592
66.00	1.0055	87.40	53.90	3.632
68.00	1.0364	89.96	55.43	3.670
70.00	1.0672	92.51	56.96	3.707
72.00	1.0980	95.06	58.49	3.743
74.00	1.1287	97.61	60.01	3.778
76.00	1.1594	100.15	61.53	3.812
78.00	1.1900	102.70	63.06	3.845
80.00	1.2206	105.23	64.57	3.877
82.00	1.2512	107.77	66.09	3.908
84.00	1.2817	110.30	67.61	3.939
86.00	1.3122	112.83	69.12	3.968
88.00	1.3427	115.36	70.64	3.997
90.00	1.3731	117.89	72.15	4.026
92.00	1.4035	120.41	73.66	4.054
94.00	1.4339	122.94	75.17	4.081
96.00	1.4643	125.46	76.68	4.107
98.00	1.4947	127.98	78.19	4.133
100.00	1.5250	130.49	79.70	4.159
102.00	1.5553	133.01	81.20	4.184
104.00	1.5856	135.53	82.71	4.208
106.00	1.6159	138.04	84.22	4.232
108.00	1.6461	140.55	85.72	4.255
110.00	1.6764	143.07	87.23	4.278
112.00	1.7066	145.58	88.73	4.301
114.00	1.7368	148.09	90.23	4.323
116.00	1.7670	150.60	91.74	4.345
118.00	1.7972	153.10	93.24	4.367
120.00	1.8274	155.61	94.74	4.388
122.00	1.8575	158.12	96.24	4.408
124.00	1.8877	160.62	97.74	4.429
126.00	1.9178	163.13	99.24	4.449
128.00	1.9479	165.63	100.74	4.468
130.00	1.9781	168.13	102.24	4.488
132.00	2.0082	170.64	103.74	4.507
134.00	2.0383	173.14	105.24	4.526
136.00	2.0684	175.64	106.74	4.544
138.00	2.0985	178.14	108.24	4.563
140.00	2.1285	180.64	109.74	4.581
142.00	2.1586	183.14	111.24	4.598
144.00	2.1887	185.64	112.74	4.616
146.00	2.2187	188.14	114.23	4.633
148.00	2.2488	190.64	115.73	4.650
150.00	2.2788	193.14	117.23	4.667
152.00	2.3089	195.63	118.72	4.683
154.00	2.3389	198.13	120.22	4.700
156.00	2.3689	200.63	121.72	4.716
158.00	2.3989	203.12	123.21	4.732
160.00	2.4289	205.62	124.71	4.747
162.00	2.4590	208.11	126.21	4.763
164.00	2.4890	210.61	127.70	4.778
166.00	2.5190	213.10	129.20	4.793
168.00	2.5490	215.60	130.69	4.808
170.00	2.5789	218.09	132.19	4.823
172.00	2.6089	220.59	133.68	4.838
174.00	2.6389	223.08	135.18	4.852
176.00	2.6689	225.57	136.67	4.866
178.00	2.6989	228.07	138.17	4.880
180.00	2.7288	230.56	139.66	4.894
182.00	2.7588	233.05	141.15	4.908
184.00	2.7888	235.54	142.65	4.922
186.00	2.8187	238.04	144.14	4.935
188.00	2.8487	240.53	145.64	4.948
190.00	2.8786	243.02	147.13	4.962
192.00	2.9086	245.51	148.62	4.975
194.00	2.9385	248.00	150.12	4.988
196.00	2.9685	250.49	151.61	5.000
198.00	2.9984	252.98	153.10	5.013
200.00	3.0284	255.47	154.60	5.025
202.00	3.0583	257.96	156.09	5.038
204.00	3.0882	260.45	157.58	5.050
206.00	3.1181	262.94	159.08	5.062
208.00	3.1481	265.43	160.57	5.074
210.00	3.1780	267.92	162.06	5.086
212.00	3.2079	270.41	163.55	5.098
214.00	3.2378	272.90	165.05	5.110
216.00	3.2678	275.39	166.54	5.121
218.00	3.2977	277.88	168.03	5.133
220.00	3.3276	280.37	169.52	5.144
222.00	3.3575	282.86	171.02	5.155
224.00	3.3874	285.34	172.51	5.167
226.00	3.4173	287.83	174.00	5.178
228.00	3.4472	290.32	175.49	5.189
230.00	3.4771	292.81	176.98	5.199
232.00	3.5070	295.30	178.48	5.210
234.00	3.5369	297.78	179.97	5.221
236.00	3.5668	300.27	181.46	5.231
238.00	3.5967	302.76	182.95	5.242
240.00	3.6266	305.25	184.44	5.252
242.00	3.6565	307.73	185.93	5.263
244.00	3.6864	310.22	187.43	5.273
246.00	3.7163	312.71	188.92	5.283
248.00	3.7462	315.20	190.41	5.293
250.00	3.7761	317.68	191.90	5.303
252.00	3.8059	320.17	193.39	5.313
254.00	3.8358	322.66	194.88	5.323
256.00	3.8657	325.14	196.37	5.333
258.00	3.8956	327.63	197.87	5.342
260.00	3.9255	330.12	199.36	5.352

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	3.9553	332.60	200.85	5.361	402.00	6.0447	506.50	305.15	5.893
264.00	3.9852	335.09	202.34	5.371	404.00	6.0745	508.99	306.64	5.899
266.00	4.0151	337.57	203.83	5.380	406.00	6.1043	511.47	308.13	5.905
268.00	4.0450	340.06	205.32	5.390	408.00	6.1341	513.95	309.62	5.912
270.00	4.0748	342.55	206.81	5.399	410.00	6.1640	516.43	311.11	5.918
272.00	4.1047	345.03	208.30	5.408	412.00	6.1938	518.92	312.60	5.924
274.00	4.1346	347.52	209.79	5.417	414.00	6.2236	521.40	314.09	5.930
276.00	4.1645	350.00	211.28	5.426	416.00	6.2535	523.88	315.58	5.936
278.00	4.1943	352.49	212.78	5.435	418.00	6.2833	526.36	317.07	5.942
280.00	4.2242	354.98	214.27	5.444	420.00	6.3131	528.85	318.56	5.948
282.00	4.2541	357.46	215.76	5.453	422.00	6.3429	531.33	320.05	5.953
284.00	4.2839	359.95	217.25	5.462	424.00	6.3728	533.81	321.53	5.959
286.00	4.3138	362.43	218.74	5.470	426.00	6.4026	536.30	323.02	5.965
288.00	4.3436	364.92	220.23	5.479	428.00	6.4324	538.78	324.51	5.971
290.00	4.3735	367.40	221.72	5.488	430.00	6.4622	541.26	326.00	5.977
292.00	4.4034	369.89	223.21	5.496	432.00	6.4920	543.74	327.49	5.983
294.00	4.4332	372.37	224.70	5.505	434.00	6.5219	546.23	328.98	5.988
296.00	4.4631	374.86	226.19	5.513	436.00	6.5517	548.71	330.47	5.994
298.00	4.4929	377.34	227.68	5.521	438.00	6.5815	551.19	331.96	6.000
300.00	4.5228	379.83	229.17	5.530	440.00	6.6113	553.67	333.45	6.005
302.00	4.5527	382.31	230.66	5.538	442.00	6.6412	556.16	334.94	6.011
304.00	4.5825	384.80	232.15	5.546	444.00	6.6710	558.64	336.43	6.017
306.00	4.6124	387.28	233.64	5.554	446.00	6.7008	561.12	337.92	6.022
308.00	4.6422	389.77	235.13	5.562	448.00	6.7306	563.60	339.40	6.028
310.00	4.6721	392.25	236.62	5.570	450.00	6.7604	566.09	340.89	6.033
312.00	4.7019	394.74	238.11	5.578	452.00	6.7903	568.57	342.38	6.039
314.00	4.7318	397.22	239.60	5.586	454.00	6.8201	571.05	343.87	6.044
316.00	4.7616	399.71	241.09	5.594	456.00	6.8499	573.53	345.36	6.050
318.00	4.7915	402.19	242.58	5.602	458.00	6.8797	576.02	346.85	6.055
320.00	4.8213	404.67	244.07	5.610	460.00	6.9095	578.50	348.34	6.060
322.00	4.8512	407.16	245.56	5.618	462.00	6.9394	580.98	349.83	6.066
324.00	4.8810	409.64	247.05	5.625	464.00	6.9692	583.46	351.32	6.071
326.00	4.9109	412.13	248.54	5.633	466.00	6.9990	585.95	352.81	6.077
328.00	4.9407	414.61	250.03	5.641	468.00	7.0288	588.43	354.30	6.082
330.00	4.9706	417.10	251.52	5.648	470.00	7.0586	590.91	355.78	6.087
332.00	5.0004	419.58	253.01	5.656	472.00	7.0884	593.39	357.27	6.092
334.00	5.0303	422.06	254.50	5.663	474.00	7.1183	595.87	358.76	6.098
336.00	5.0601	424.55	255.99	5.670	476.00	7.1481	598.36	360.25	6.103
338.00	5.0900	427.03	257.48	5.678	478.00	7.1779	600.84	361.74	6.108
340.00	5.1198	429.52	258.97	5.685	480.00	7.2077	603.32	363.23	6.113
342.00	5.1496	432.00	260.46	5.692	482.00	7.2375	605.80	364.72	6.118
344.00	5.1795	434.48	261.95	5.700	484.00	7.2673	608.29	366.21	6.124
346.00	5.2093	436.97	263.44	5.707	486.00	7.2972	610.77	367.70	6.129
348.00	5.2392	439.45	264.93	5.714	488.00	7.3270	613.25	369.19	6.134
350.00	5.2690	441.94	266.42	5.721	490.00	7.3568	615.73	370.67	6.139
352.00	5.2988	444.42	267.91	5.728	492.00	7.3866	618.21	372.16	6.144
354.00	5.3287	446.90	269.40	5.735	494.00	7.4164	620.70	373.65	6.149
356.00	5.3585	449.39	270.89	5.742	496.00	7.4462	623.18	375.14	6.154
358.00	5.3884	451.87	272.38	5.749	498.00	7.4761	625.66	376.63	6.159
360.00	5.4182	454.35	273.87	5.756	500.00	7.5059	628.14	378.12	6.164
362.00	5.4480	456.84	275.36	5.763	502.00	7.5357	630.62	379.61	6.169
364.00	5.4779	459.32	276.85	5.770	504.00	7.5655	633.11	381.10	6.174
366.00	5.5077	461.80	278.34	5.777	506.00	7.5953	635.59	382.59	6.179
368.00	5.5375	464.29	279.83	5.783	508.00	7.6251	638.07	384.07	6.184
370.00	5.5674	466.77	281.32	5.790	510.00	7.6549	640.55	385.56	6.189
372.00	5.5972	469.25	282.81	5.797	512.00	7.6848	643.03	387.05	6.193
374.00	5.6270	471.74	284.30	5.804	514.00	7.7146	645.52	388.54	6.198
376.00	5.6569	474.22	285.79	5.810	516.00	7.7444	648.00	390.03	6.203
378.00	5.6867	476.70	287.28	5.817	518.00	7.7742	650.48	391.52	6.208
380.00	5.7165	479.19	288.77	5.823	520.00	7.8040	652.96	393.01	6.213
382.00	5.7464	481.67	290.26	5.830	522.00	7.8338	655.44	394.50	6.217
384.00	5.7762	484.15	291.75	5.836	524.00	7.8636	657.93	395.99	6.222
386.00	5.8060	486.64	293.24	5.843	526.00	7.8934	660.41	397.47	6.227
388.00	5.8359	489.12	294.73	5.849	528.00	7.9233	662.89	398.96	6.232
390.00	5.8657	491.60	296.22	5.856	530.00	7.9531	665.37	400.45	6.236
392.00	5.8955	494.09	297.70	5.862	532.00	7.9829	667.85	401.94	6.241
394.00	5.9254	496.57	299.19	5.868	534.00	8.0127	670.34	403.43	6.246
396.00	5.9552	499.05	300.68	5.875	536.00	8.0425	672.82	404.92	6.250
398.00	5.9850	501.54	302.17	5.881	538.00	8.0723	675.30	406.41	6.255
400.00	6.0148	504.02	303.66	5.887	540.00	8.1021	677.78	407.90	6.259

200.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.0992	5.87	2.20	.524
8.00	.1036	7.13	3.30	.696
10.00	.1103	8.70	4.61	.876
12.00	.1208	10.71	6.24	1.067
14.00	.1370	13.26	8.19	1.263
16.00	.1611	16.55	10.58	1.482
18.00	.1917	20.14	13.04	1.693
20.00	.2250	23.68	15.35	1.880
22.00	.2586	27.06	17.49	2.041
24.00	.2916	30.28	19.49	2.181
26.00	.3241	33.38	21.38	2.305
28.00	.3559	36.38	23.21	2.416
30.00	.3872	39.31	24.98	2.517
32.00	.4180	42.18	26.71	2.610
34.00	.4484	45.00	28.41	2.696
36.00	.4784	47.78	30.08	2.775
38.00	.5082	50.53	31.73	2.849
40.00	.5377	53.26	33.36	2.919
42.00	.5670	55.96	34.97	2.985
44.00	.5960	58.64	36.58	3.048
46.00	.6250	61.30	38.17	3.107
48.00	.6537	63.95	39.76	3.163
50.00	.6823	66.59	41.33	3.217
52.00	.7108	69.21	42.90	3.268
54.00	.7392	71.83	44.47	3.318
56.00	.7675	74.43	46.02	3.365
58.00	.7957	77.03	47.58	3.411
60.00	.8239	79.62	49.12	3.455
62.00	.8519	82.20	50.67	3.497
64.00	.8799	84.78	52.21	3.538
66.00	.9078	87.35	53.75	3.577
68.00	.9357	89.91	55.28	3.616
70.00	.9635	92.48	56.82	3.653
72.00	.9913	95.03	58.35	3.689
74.00	1.0190	97.59	59.87	3.724
76.00	1.0467	100.14	61.40	3.758
78.00	1.0743	102.68	62.92	3.791
80.00	1.1019	105.23	64.44	3.823
82.00	1.1294	107.77	65.96	3.854
84.00	1.1570	110.31	67.48	3.885
86.00	1.1845	112.84	69.00	3.915
88.00	1.2120	115.37	70.52	3.944
90.00	1.2394	117.90	72.03	3.972
92.00	1.2668	120.43	73.55	4.000
94.00	1.2942	122.96	75.06	4.027
96.00	1.3216	125.49	76.57	4.054
98.00	1.3490	128.01	78.08	4.080
100.00	1.3763	130.53	79.59	4.105
102.00	1.4036	133.05	81.10	4.130
104.00	1.4309	135.57	82.61	4.155
106.00	1.4582	138.09	84.12	4.179
108.00	1.4855	140.60	85.62	4.202
110.00	1.5127	143.12	87.13	4.225
112.00	1.5400	145.63	88.63	4.248
114.00	1.5672	148.14	90.14	4.270
116.00	1.5944	150.66	91.64	4.292
118.00	1.6216	153.17	93.15	4.314
120.00	1.6488	155.68	94.65	4.335
122.00	1.6760	158.18	96.15	4.355
124.00	1.7031	160.69	97.66	4.376
126.00	1.7303	163.20	99.16	4.396
128.00	1.7574	165.71	100.66	4.416
130.00	1.7846	168.21	102.16	4.435
132.00	1.8117	170.72	103.66	4.454
134.00	1.8388	173.22	105.16	4.473
136.00	1.8659	175.72	106.66	4.491
138.00	1.8930	178.23	108.16	4.510
140.00	1.9201	180.73	109.66	4.528
142.00	1.9472	183.23	111.16	4.546
144.00	1.9743	185.73	112.66	4.563
146.00	2.0014	188.23	114.16	4.580
148.00	2.0284	190.73	115.66	4.597
150.00	2.0555	193.23	117.15	4.614
152.00	2.0826	195.73	118.65	4.631
154.00	2.1096	198.23	120.15	4.647
156.00	2.1367	200.73	121.65	4.663
158.00	2.1637	203.23	123.14	4.679
160.00	2.1907	205.72	124.64	4.695
162.00	2.2178	208.22	126.14	4.710
164.00	2.2448	210.72	127.63	4.725
166.00	2.2718	213.21	129.13	4.741
168.00	2.2988	215.71	130.63	4.756
170.00	2.3258	218.20	132.12	4.770
172.00	2.3528	220.70	133.62	4.785
174.00	2.3798	223.19	135.11	4.799
176.00	2.4068	225.69	136.61	4.814
178.00	2.4338	228.18	138.10	4.828
180.00	2.4608	230.68	139.60	4.842
182.00	2.4878	233.17	141.09	4.855
184.00	2.5148	235.66	142.59	4.869
186.00	2.5418	238.16	144.08	4.882
188.00	2.5687	240.65	145.58	4.896
190.00	2.5957	243.14	147.07	4.909
192.00	2.6227	245.63	148.57	4.922
194.00	2.6496	248.13	150.06	4.935
196.00	2.6766	250.62	151.55	4.948
198.00	2.7036	253.11	153.05	4.960
200.00	2.7305	255.60	154.54	4.973
202.00	2.7575	258.09	156.03	4.985
204.00	2.7844	260.58	157.53	4.998
206.00	2.8114	263.07	159.02	5.010
208.00	2.8383	265.57	160.51	5.022
210.00	2.8653	268.06	162.01	5.034
212.00	2.8922	270.55	163.50	5.045
214.00	2.9191	273.04	164.99	5.057
216.00	2.9461	275.53	166.49	5.069
218.00	2.9730	278.02	167.98	5.080
220.00	2.9999	280.51	169.47	5.092
222.00	3.0269	282.99	170.97	5.103
224.00	3.0538	285.48	172.46	5.114
226.00	3.0807	287.97	173.95	5.125
228.00	3.1077	290.46	175.44	5.136
230.00	3.1346	292.95	176.94	5.147
232.00	3.1615	295.44	178.43	5.158
234.00	3.1884	297.93	179.92	5.168
236.00	3.2153	300.42	181.41	5.179
238.00	3.2423	302.90	182.90	5.189
240.00	3.2692	305.39	184.40	5.200
242.00	3.2961	307.88	185.89	5.210
244.00	3.3230	310.37	187.38	5.220
246.00	3.3499	312.86	188.87	5.231
248.00	3.3768	315.34	190.36	5.241
250.00	3.4037	317.83	191.86	5.251
252.00	3.4306	320.32	193.35	5.261
254.00	3.4575	322.81	194.84	5.270
256.00	3.4844	325.29	196.33	5.280
258.00	3.5113	327.78	197.82	5.290
260.00	3.5382	330.27	199.31	5.299

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	3.5651	332.76	200.80	5.309	402.00	5.4459	506.68	305.12	5.841
264.00	3.5920	335.24	202.30	5.318	404.00	5.4728	509.17	306.61	5.847
266.00	3.6189	337.73	203.79	5.328	406.00	5.4996	511.65	308.10	5.853
268.00	3.6458	340.22	205.28	5.337	408.00	5.5265	514.13	309.59	5.859
270.00	3.6727	342.70	206.77	5.346	410.00	5.5533	516.62	311.08	5.865
272.00	3.6996	345.19	208.26	5.356	412.00	5.5801	519.10	312.57	5.871
274.00	3.7265	347.68	209.75	5.365	414.00	5.6070	521.58	314.06	5.877
276.00	3.7534	350.16	211.24	5.374	416.00	5.6338	524.07	315.55	5.883
278.00	3.7803	352.65	212.73	5.383	418.00	5.6607	526.55	317.04	5.889
280.00	3.8072	355.13	214.23	5.392	420.00	5.6875	529.03	318.53	5.895
282.00	3.8340	357.62	215.72	5.400	422.00	5.7144	531.52	320.02	5.901
284.00	3.8609	360.11	217.21	5.409	424.00	5.7412	534.00	321.51	5.907
286.00	3.8878	362.59	218.70	5.418	426.00	5.7681	536.48	323.00	5.913
288.00	3.9147	365.08	220.19	5.427	428.00	5.7949	538.96	324.49	5.919
290.00	3.9416	367.56	221.68	5.435	430.00	5.8218	541.45	325.98	5.924
292.00	3.9685	370.05	223.17	5.444	432.00	5.8486	543.93	327.46	5.930
294.00	3.9953	372.54	224.66	5.452	434.00	5.8754	546.41	328.95	5.936
296.00	4.0222	375.02	226.15	5.461	436.00	5.9023	548.90	330.44	5.942
298.00	4.0491	377.51	227.64	5.469	438.00	5.9291	551.38	331.93	5.947
300.00	4.0760	379.99	229.13	5.477	440.00	5.9560	553.86	333.42	5.953
302.00	4.1029	382.48	230.62	5.486	442.00	5.9828	556.34	334.91	5.959
304.00	4.1297	384.96	232.11	5.494	444.00	6.0097	558.83	336.40	5.964
306.00	4.1566	387.45	233.61	5.502	446.00	6.0365	561.31	337.89	5.970
308.00	4.1835	389.93	235.10	5.510	448.00	6.0633	563.79	339.38	5.975
310.00	4.2104	392.42	236.59	5.518	450.00	6.0902	566.27	340.87	5.981
312.00	4.2372	394.90	238.08	5.526	452.00	6.1170	568.76	342.36	5.986
314.00	4.2641	397.39	239.57	5.534	454.00	6.1439	571.24	343.85	5.992
316.00	4.2910	399.87	241.06	5.542	456.00	6.1707	573.72	345.34	5.997
318.00	4.3178	402.36	242.55	5.550	458.00	6.1975	576.21	346.82	6.003
320.00	4.3447	404.84	244.04	5.557	460.00	6.2244	578.69	348.31	6.008
322.00	4.3716	407.33	245.53	5.565	462.00	6.2512	581.17	349.80	6.014
324.00	4.3985	409.81	247.02	5.573	464.00	6.2781	583.65	351.29	6.019
326.00	4.4253	412.30	248.51	5.581	466.00	6.3049	586.14	352.78	6.024
328.00	4.4522	414.78	250.00	5.588	468.00	6.3317	588.62	354.27	6.030
330.00	4.4791	417.27	251.49	5.596	470.00	6.3586	591.10	355.76	6.035
332.00	4.5059	419.75	252.98	5.603	472.00	6.3854	593.58	357.25	6.040
334.00	4.5328	422.24	254.47	5.611	474.00	6.4123	596.07	358.74	6.045
336.00	4.5597	424.72	255.96	5.618	476.00	6.4391	598.55	360.23	6.051
338.00	4.5865	427.20	257.45	5.625	478.00	6.4659	601.03	361.72	6.056
340.00	4.6134	429.69	258.94	5.633	480.00	6.4928	603.51	363.21	6.061
342.00	4.6402	432.17	260.43	5.640	482.00	6.5196	606.00	364.69	6.066
344.00	4.6671	434.66	261.92	5.647	484.00	6.5464	608.48	366.18	6.071
346.00	4.6940	437.14	263.41	5.655	486.00	6.5733	610.96	367.67	6.076
348.00	4.7208	439.63	264.90	5.662	488.00	6.6001	613.44	369.16	6.081
350.00	4.7477	442.11	266.39	5.669	490.00	6.6270	615.92	370.65	6.087
352.00	4.7746	444.59	267.88	5.676	492.00	6.6538	618.41	372.14	6.092
354.00	4.8014	447.08	269.37	5.683	494.00	6.6806	620.89	373.63	6.097
356.00	4.8283	449.56	270.86	5.690	496.00	6.7075	623.37	375.12	6.102
358.00	4.8551	452.05	272.35	5.697	498.00	6.7343	625.85	376.61	6.107
360.00	4.8820	454.53	273.84	5.704	500.00	6.7611	628.34	378.10	6.112
362.00	4.9088	457.01	275.33	5.711	502.00	6.7880	630.82	379.58	6.117
364.00	4.9357	459.50	276.82	5.718	504.00	6.8148	633.30	381.07	6.122
366.00	4.9626	461.98	278.31	5.724	506.00	6.8416	635.78	382.56	6.126
368.00	4.9894	464.47	279.80	5.731	508.00	6.8685	638.27	384.05	6.131
370.00	5.0163	466.95	281.29	5.738	510.00	6.8953	640.75	385.54	6.136
372.00	5.0431	469.43	282.78	5.745	512.00	6.9221	643.23	387.03	6.141
374.00	5.0700	471.92	284.27	5.751	514.00	6.9490	645.71	388.52	6.146
376.00	5.0968	474.40	285.76	5.758	516.00	6.9758	648.19	390.01	6.151
378.00	5.1237	476.88	287.25	5.764	518.00	7.0026	650.68	391.50	6.156
380.00	5.1505	479.37	288.74	5.771	520.00	7.0295	653.16	392.99	6.160
382.00	5.1774	481.85	290.23	5.777	522.00	7.0563	655.64	394.47	6.165
384.00	5.2043	484.33	291.72	5.784	524.00	7.0832	658.12	395.96	6.170
386.00	5.2311	486.82	293.21	5.790	526.00	7.1100	660.60	397.45	6.175
388.00	5.2580	489.30	294.70	5.797	528.00	7.1368	663.09	398.94	6.179
390.00	5.2848	491.78	296.19	5.803	530.00	7.1636	665.57	400.43	6.184
392.00	5.3117	494.27	297.68	5.810	532.00	7.1905	668.05	401.92	6.189
394.00	5.3385	496.75	299.16	5.816	534.00	7.2173	670.53	403.41	6.193
396.00	5.3654	499.23	300.65	5.822	536.00	7.2441	673.01	404.90	6.198
398.00	5.3922	501.72	302.14	5.828	538.00	7.2710	675.50	406.39	6.203
400.00	5.4191	504.20	303.63	5.835	540.00	7.2978	677.98	407.88	6.207

220.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.0982	6.20	2.20	.518
8.00	.1023	7.44	3.27	.687
10.00	.1085	8.96	4.54	.861
12.00	.1178	10.88	6.09	1.044
14.00	.1317	13.29	7.93	1.229
16.00	.1516	16.37	10.20	1.435
18.00	.1774	19.82	12.60	1.637
20.00	.2063	23.31	14.90	1.821
22.00	.2362	26.68	17.06	1.982
24.00	.2661	29.93	19.09	2.123
26.00	.2955	33.05	21.02	2.248
28.00	.3244	36.08	22.87	2.361
30.00	.3529	39.03	24.66	2.463
32.00	.3810	41.93	26.41	2.556
34.00	.4088	44.77	28.13	2.642
36.00	.4362	47.57	29.81	2.722
38.00	.4634	50.34	31.47	2.797
40.00	.4903	53.08	33.12	2.867
42.00	.5171	55.80	34.74	2.934
44.00	.5436	58.49	36.36	2.996
46.00	.5700	61.17	37.96	3.056
48.00	.5962	63.83	39.55	3.112
50.00	.6224	66.47	41.14	3.166
52.00	.6484	69.11	42.71	3.218
54.00	.6743	71.73	44.28	3.268
56.00	.7001	74.35	45.85	3.315
58.00	.7258	76.95	47.40	3.361
60.00	.7514	79.55	48.96	3.405
62.00	.7770	82.14	50.51	3.447
64.00	.8025	84.73	52.05	3.488
66.00	.8280	87.30	53.60	3.528
68.00	.8534	89.88	55.13	3.566
70.00	.8787	92.45	56.67	3.604
72.00	.9040	95.01	58.20	3.640
74.00	.9293	97.57	59.74	3.675
76.00	.9545	100.12	61.26	3.709
78.00	.9797	102.68	62.79	3.742
80.00	1.0048	105.22	64.32	3.774
82.00	1.0299	107.77	65.84	3.806
84.00	1.0550	110.31	67.36	3.836
86.00	1.0800	112.85	68.88	3.866
88.00	1.1050	115.39	70.40	3.895
90.00	1.1300	117.92	71.92	3.924
92.00	1.1550	120.46	73.43	3.952
94.00	1.1800	122.99	74.95	3.979
96.00	1.2049	125.52	76.46	4.006
98.00	1.2298	128.04	77.97	4.032
100.00	1.2547	130.57	79.49	4.057
102.00	1.2796	133.09	81.00	4.082
104.00	1.3044	135.61	82.51	4.107
106.00	1.3293	138.13	84.02	4.131
108.00	1.3541	140.65	85.53	4.154
110.00	1.3789	143.17	87.03	4.177
112.00	1.4037	145.69	88.54	4.200
114.00	1.4285	148.20	90.05	4.222
116.00	1.4532	150.72	91.55	4.244
118.00	1.4780	153.23	93.06	4.266
120.00	1.5027	155.74	94.56	4.287
122.00	1.5275	158.25	96.07	4.307
124.00	1.5522	160.76	97.57	4.328
126.00	1.5769	163.27	99.07	4.348
128.00	1.6016	165.78	100.58	4.368
130.00	1.6263	168.29	102.08	4.387
132.00	1.6510	170.80	103.58	4.406
134.00	1.6757	173.30	105.08	4.425
136.00	1.7003	175.81	106.58	4.444
138.00	1.7250	178.31	108.08	4.462
140.00	1.7497	180.82	109.58	4.480
142.00	1.7743	183.32	111.08	4.498
144.00	1.7989	185.82	112.58	4.515
146.00	1.8236	188.33	114.08	4.532
148.00	1.8482	190.83	115.58	4.549
150.00	1.8728	193.33	117.08	4.566
152.00	1.8974	195.83	118.58	4.583
154.00	1.9220	198.33	120.08	4.599
156.00	1.9466	200.83	121.58	4.615
158.00	1.9712	203.33	123.07	4.631
160.00	1.9958	205.83	124.57	4.647
162.00	2.0204	208.33	126.07	4.662
164.00	2.0450	210.82	127.57	4.678
166.00	2.0696	213.32	129.06	4.693
168.00	2.0942	215.82	130.56	4.708
170.00	2.1187	218.32	132.06	4.723
172.00	2.1433	220.81	133.55	4.737
174.00	2.1679	223.31	135.05	4.752
176.00	2.1924	225.80	136.55	4.766
178.00	2.2170	228.30	138.04	4.780
180.00	2.2415	230.80	139.54	4.794
182.00	2.2661	233.29	141.03	4.808
184.00	2.2906	235.78	142.53	4.821
186.00	2.3151	238.28	144.02	4.835
188.00	2.3397	240.77	145.52	4.848
190.00	2.3642	243.27	147.01	4.861
192.00	2.3887	245.76	148.51	4.874
194.00	2.4133	248.25	150.00	4.887
196.00	2.4378	250.75	151.50	4.900
198.00	2.4623	253.24	152.99	4.913
200.00	2.4868	255.73	154.49	4.925
202.00	2.5113	258.22	155.98	4.938
204.00	2.5359	260.72	157.47	4.950
206.00	2.5604	263.21	158.97	4.962
208.00	2.5849	265.70	160.46	4.974
210.00	2.6094	268.19	161.95	4.986
212.00	2.6339	270.68	163.45	4.998
214.00	2.6584	273.17	164.94	5.010
216.00	2.6829	275.66	166.44	5.021
218.00	2.7074	278.15	167.93	5.033
220.00	2.7319	280.64	169.42	5.044
222.00	2.7564	283.13	170.92	5.055
224.00	2.7809	285.62	172.41	5.067
226.00	2.8054	288.11	173.90	5.078
228.00	2.8298	290.60	175.39	5.089
230.00	2.8543	293.09	176.89	5.099
232.00	2.8788	295.58	178.38	5.110
234.00	2.9033	298.07	179.87	5.121
236.00	2.9278	300.56	181.36	5.131
238.00	2.9522	303.05	182.86	5.142
240.00	2.9767	305.54	184.35	5.152
242.00	3.0012	308.03	185.84	5.163
244.00	3.0257	310.52	187.33	5.173
246.00	3.0501	313.01	188.83	5.183
248.00	3.0746	315.49	190.32	5.193
250.00	3.0991	317.98	191.81	5.203
252.00	3.1235	320.47	193.30	5.213
254.00	3.1480	322.96	194.79	5.223
256.00	3.1725	325.45	196.29	5.233
258.00	3.1969	327.93	197.78	5.242
260.00	3.2214	330.42	199.27	5.252

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	3.2459	332.91	200.76	5.261	402.00	4.9560	506.87	305.09	5.793
264.00	3.2703	335.40	202.25	5.271	404.00	4.9804	509.35	306.58	5.800
266.00	3.2948	337.88	203.74	5.280	406.00	5.0048	511.83	308.07	5.806
268.00	3.3192	340.37	205.24	5.290	408.00	5.0292	514.32	309.56	5.812
270.00	3.3437	342.86	206.73	5.299	410.00	5.0537	516.80	311.05	5.818
272.00	3.3681	345.35	208.22	5.308	412.00	5.0781	519.28	312.54	5.824
274.00	3.3926	347.83	209.71	5.317	414.00	5.1025	521.77	314.03	5.830
276.00	3.4170	350.32	211.20	5.326	416.00	5.1269	524.25	315.52	5.836
278.00	3.4415	352.81	212.69	5.335	418.00	5.1513	526.73	317.01	5.842
280.00	3.4660	355.29	214.18	5.344	420.00	5.1757	529.22	318.50	5.848
282.00	3.4904	357.78	215.68	5.353	422.00	5.2001	531.70	319.99	5.854
284.00	3.5148	360.27	217.17	5.362	424.00	5.2245	534.18	321.48	5.860
286.00	3.5393	362.75	218.66	5.370	426.00	5.2489	536.67	322.97	5.865
288.00	3.5637	365.24	220.15	5.379	428.00	5.2733	539.15	324.46	5.871
290.00	3.5882	367.73	221.64	5.388	430.00	5.2977	541.63	325.95	5.877
292.00	3.6126	370.21	223.13	5.396	432.00	5.3221	544.12	327.44	5.883
294.00	3.6371	372.70	224.62	5.405	434.00	5.3465	546.60	328.93	5.889
296.00	3.6615	375.18	226.11	5.413	436.00	5.3710	549.08	330.42	5.894
298.00	3.6860	377.67	227.60	5.422	438.00	5.3954	551.57	331.91	5.900
300.00	3.7104	380.16	229.10	5.430	440.00	5.4198	554.05	333.40	5.906
302.00	3.7348	382.64	230.59	5.438	442.00	5.4442	556.53	334.88	5.911
304.00	3.7593	385.13	232.08	5.446	444.00	5.4686	559.01	336.37	5.917
306.00	3.7837	387.61	233.57	5.455	446.00	5.4930	561.50	337.86	5.922
308.00	3.8082	390.10	235.06	5.463	448.00	5.5174	563.98	339.35	5.928
310.00	3.8326	392.58	236.55	5.471	450.00	5.5418	566.46	340.84	5.934
312.00	3.8570	395.07	238.04	5.479	452.00	5.5662	568.95	342.33	5.939
314.00	3.8815	397.56	239.53	5.487	454.00	5.5906	571.43	343.82	5.945
316.00	3.9059	400.04	241.02	5.494	456.00	5.6150	573.91	345.31	5.950
318.00	3.9303	402.53	242.51	5.502	458.00	5.6394	576.39	346.80	5.955
320.00	3.9548	405.01	244.00	5.510	460.00	5.6638	578.88	348.29	5.961
322.00	3.9792	407.50	245.49	5.518	462.00	5.6882	581.36	349.78	5.966
324.00	4.0036	409.98	246.98	5.526	464.00	5.7126	583.84	351.27	5.972
326.00	4.0281	412.47	248.47	5.533	466.00	5.7370	586.33	352.76	5.977
328.00	4.0525	414.95	249.96	5.541	468.00	5.7614	588.81	354.25	5.982
330.00	4.0769	417.44	251.45	5.548	470.00	5.7858	591.29	355.74	5.988
332.00	4.1013	419.92	252.95	5.556	472.00	5.8102	593.77	357.22	5.993
334.00	4.1258	422.41	254.44	5.563	474.00	5.8346	596.26	358.71	5.998
336.00	4.1502	424.89	255.93	5.571	476.00	5.8590	598.74	360.20	6.003
338.00	4.1746	427.38	257.42	5.578	478.00	5.8834	601.22	361.69	6.008
340.00	4.1991	429.86	258.91	5.585	480.00	5.9078	603.70	363.18	6.014
342.00	4.2235	432.35	260.40	5.593	482.00	5.9322	606.19	364.67	6.019
344.00	4.2479	434.83	261.89	5.600	484.00	5.9566	608.67	366.16	6.024
346.00	4.2723	437.32	263.38	5.607	486.00	5.9810	611.15	367.65	6.029
348.00	4.2967	439.80	264.87	5.614	488.00	6.0054	613.63	369.14	6.034
350.00	4.3212	442.28	266.36	5.621	490.00	6.0298	616.12	370.63	6.039
352.00	4.3456	444.77	267.85	5.629	492.00	6.0542	618.60	372.12	6.044
354.00	4.3700	447.25	269.34	5.636	494.00	6.0786	621.08	373.61	6.049
356.00	4.3944	449.74	270.83	5.643	496.00	6.1030	623.56	375.09	6.054
358.00	4.4189	452.22	272.32	5.650	498.00	6.1274	626.05	376.58	6.059
360.00	4.4433	454.71	273.81	5.656	500.00	6.1518	628.53	378.07	6.064
362.00	4.4677	457.19	275.30	5.663	502.00	6.1762	631.01	379.56	6.069
364.00	4.4921	459.67	276.79	5.670	504.00	6.2006	633.49	381.05	6.074
366.00	4.5165	462.16	278.28	5.677	506.00	6.2250	635.98	382.54	6.079
368.00	4.5410	464.64	279.77	5.684	508.00	6.2494	638.46	384.03	6.084
370.00	4.5654	467.13	281.26	5.690	510.00	6.2738	640.94	385.52	6.089
372.00	4.5898	469.61	282.75	5.697	512.00	6.2982	643.42	387.01	6.094
374.00	4.6142	472.09	284.24	5.704	514.00	6.3226	645.91	388.50	6.099
376.00	4.6386	474.58	285.73	5.710	516.00	6.3470	648.39	389.99	6.103
378.00	4.6630	477.06	287.22	5.717	518.00	6.3714	650.87	391.47	6.108
380.00	4.6875	479.55	288.71	5.724	520.00	6.3958	653.35	392.96	6.113
382.00	4.7119	482.03	290.20	5.730	522.00	6.4202	655.84	394.45	6.118
384.00	4.7363	484.51	291.69	5.737	524.00	6.4446	658.32	395.94	6.123
386.00	4.7607	487.00	293.18	5.743	526.00	6.4690	660.80	397.43	6.127
388.00	4.7851	489.48	294.67	5.749	528.00	6.4934	663.28	398.92	6.132
390.00	4.8095	491.97	296.16	5.756	530.00	6.5178	665.76	400.41	6.137
392.00	4.8339	494.45	297.65	5.762	532.00	6.5422	668.25	401.90	6.141
394.00	4.8584	496.93	299.14	5.769	534.00	6.5666	670.73	403.39	6.146
396.00	4.8828	499.42	300.63	5.775	536.00	6.5909	673.21	404.88	6.151
398.00	4.9072	501.90	302.12	5.781	538.00	6.6153	675.69	406.36	6.155
400.00	4.9316	504.38	303.60	5.787	540.00	6.6397	678.18	407.85	6.160

240.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.0973	6.52	2.20	.512
8.00	.1012	7.74	3.25	.678
10.00	.1069	9.22	4.47	.848
12.00	.1152	11.07	5.96	1.025
14.00	.1273	13.36	7.71	1.200
16.00	.1444	16.29	9.88	1.395
18.00	.1663	19.59	12.20	1.590
20.00	.1916	23.01	14.50	1.770
22.00	.2183	26.37	16.67	1.930
24.00	.2453	29.62	18.72	2.071
26.00	.2721	32.76	20.67	2.197
28.00	.2986	35.81	22.55	2.310
30.00	.3247	38.78	24.36	2.412
32.00	.3506	41.69	26.12	2.506
34.00	.3761	44.56	27.85	2.593
36.00	.4013	47.38	29.55	2.674
38.00	.4263	50.16	31.23	2.749
40.00	.4511	52.92	32.88	2.820
42.00	.4756	55.64	34.52	2.886
44.00	.5001	58.35	36.14	2.949
46.00	.5243	61.04	37.75	3.009
48.00	.5485	63.71	39.35	3.066
50.00	.5725	66.37	40.94	3.120
52.00	.5964	69.02	42.53	3.172
54.00	.6202	71.65	44.10	3.222
56.00	.6439	74.27	45.67	3.269
58.00	.6676	76.89	47.24	3.315
60.00	.6912	79.49	48.80	3.360
62.00	.7147	82.09	50.35	3.402
64.00	.7381	84.68	51.90	3.443
66.00	.7615	87.27	53.45	3.483
68.00	.7848	89.85	54.99	3.522
70.00	.8081	92.42	56.53	3.559
72.00	.8314	94.99	58.07	3.595
74.00	.8546	97.55	59.60	3.630
76.00	.8777	100.12	61.13	3.664
78.00	.9008	102.67	62.66	3.697
80.00	.9239	105.23	64.19	3.730
82.00	.9470	107.78	65.72	3.761
84.00	.9700	110.32	67.24	3.792
86.00	.9930	112.87	68.76	3.822
88.00	1.0160	115.41	70.28	3.851
90.00	1.0390	117.95	71.80	3.880
92.00	1.0619	120.48	73.32	3.908
94.00	1.0848	123.02	74.84	3.935
96.00	1.1077	125.55	76.35	3.961
98.00	1.1305	128.08	77.87	3.988
100.00	1.1534	130.61	79.38	4.013
102.00	1.1762	133.14	80.90	4.038
104.00	1.1990	135.66	82.41	4.063
106.00	1.2218	138.18	83.92	4.087
108.00	1.2446	140.71	85.43	4.110
110.00	1.2674	143.23	86.94	4.133
112.00	1.2901	145.75	88.45	4.156
114.00	1.3129	148.26	89.95	4.178
116.00	1.3356	150.78	91.46	4.200
118.00	1.3583	153.30	92.97	4.222
120.00	1.3810	155.81	94.47	4.243
122.00	1.4037	158.33	95.98	4.264
124.00	1.4264	160.84	97.48	4.284
126.00	1.4491	163.35	98.99	4.304
128.00	1.4718	165.86	100.49	4.324
130.00	1.4944	168.37	102.00	4.343
132.00	1.5171	170.88	103.50	4.363
134.00	1.5397	173.39	105.00	4.381
136.00	1.5624	175.89	106.50	4.400
138.00	1.5850	178.40	108.01	4.418
140.00	1.6076	180.91	109.51	4.436
142.00	1.6302	183.41	111.01	4.454
144.00	1.6528	185.92	112.51	4.472
146.00	1.6754	188.42	114.01	4.489
148.00	1.6980	190.93	115.51	4.506
150.00	1.7206	193.43	117.01	4.523
152.00	1.7432	195.93	118.51	4.539
154.00	1.7657	198.43	120.01	4.556
156.00	1.7883	200.93	121.51	4.572
158.00	1.8109	203.43	123.01	4.588
160.00	1.8334	205.93	124.50	4.603
162.00	1.8560	208.43	126.00	4.619
164.00	1.8785	210.93	127.50	4.634
166.00	1.9011	213.43	129.00	4.649
168.00	1.9236	215.93	130.50	4.664
170.00	1.9462	218.43	131.99	4.679
172.00	1.9687	220.93	133.49	4.694
174.00	1.9912	223.42	134.99	4.708
176.00	2.0137	225.92	136.48	4.722
178.00	2.0363	228.42	137.98	4.737
180.00	2.0588	230.91	139.48	4.750
182.00	2.0813	233.41	140.97	4.764
184.00	2.1038	235.91	142.47	4.778
186.00	2.1263	238.40	143.96	4.791
188.00	2.1488	240.90	145.46	4.805
190.00	2.1713	243.39	146.96	4.818
192.00	2.1938	245.89	148.45	4.831
194.00	2.2163	248.38	149.95	4.844
196.00	2.2388	250.87	151.44	4.857
198.00	2.2613	253.37	152.94	4.869
200.00	2.2838	255.86	154.43	4.882
202.00	2.3063	258.35	155.92	4.894
204.00	2.3287	260.85	157.42	4.907
206.00	2.3512	263.34	158.91	4.919
208.00	2.3737	265.83	160.41	4.931
210.00	2.3962	268.33	161.90	4.943
212.00	2.4186	270.82	163.40	4.955
214.00	2.4411	273.31	164.89	4.966
216.00	2.4636	275.80	166.38	4.978
218.00	2.4860	278.29	167.88	4.989
220.00	2.5085	280.78	169.37	5.001
222.00	2.5310	283.27	170.87	5.012
224.00	2.5534	285.77	172.36	5.023
226.00	2.5759	288.26	173.85	5.034
228.00	2.5983	290.75	175.35	5.045
230.00	2.6208	293.24	176.84	5.056
232.00	2.6432	295.73	178.33	5.067
234.00	2.6657	298.22	179.82	5.078
236.00	2.6881	300.71	181.32	5.088
238.00	2.7106	303.20	182.81	5.099
240.00	2.7330	305.69	184.30	5.109
242.00	2.7555	308.18	185.80	5.119
244.00	2.7779	310.67	187.29	5.130
246.00	2.8003	313.15	188.78	5.140
248.00	2.8228	315.64	190.27	5.150
250.00	2.8452	318.13	191.77	5.160
252.00	2.8677	320.62	193.26	5.170
254.00	2.8901	323.11	194.75	5.180
256.00	2.9125	325.60	196.24	5.189
258.00	2.9350	328.09	197.73	5.199
260.00	2.9574	330.58	199.23	5.209

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	2.9798	333.06	200.72	5.218	402.00	4.5478	507.05	305.07	5.750
264.00	3.0022	335.55	202.21	5.228	404.00	4.5701	509.53	306.56	5.756
266.00	3.0247	338.04	203.70	5.237	406.00	4.5925	512.02	308.05	5.763
268.00	3.0471	340.53	205.19	5.246	408.00	4.6149	514.50	309.54	5.769
270.00	3.0695	343.02	206.69	5.256	410.00	4.6373	516.98	311.02	5.775
272.00	3.0919	345.50	208.18	5.265	412.00	4.6597	519.47	312.51	5.781
274.00	3.1144	347.99	209.67	5.274	414.00	4.6820	521.95	314.00	5.787
276.00	3.1368	350.48	211.16	5.283	416.00	4.7044	524.44	315.49	5.793
278.00	3.1592	352.97	212.65	5.292	418.00	4.7268	526.92	316.98	5.799
280.00	3.1816	355.45	214.14	5.301	420.00	4.7492	529.40	318.47	5.805
282.00	3.2040	357.94	215.64	5.310	422.00	4.7715	531.89	319.96	5.811
284.00	3.2264	360.43	217.13	5.318	424.00	4.7939	534.37	321.45	5.816
286.00	3.2489	362.91	218.62	5.327	426.00	4.8163	536.85	322.94	5.822
288.00	3.2713	365.40	220.11	5.336	428.00	4.8387	539.34	324.43	5.828
290.00	3.2937	367.89	221.60	5.344	430.00	4.8611	541.82	325.92	5.834
292.00	3.3161	370.37	223.09	5.353	432.00	4.8834	544.30	327.41	5.840
294.00	3.3385	372.86	224.58	5.361	434.00	4.9058	546.79	328.90	5.845
296.00	3.3609	375.35	226.08	5.370	436.00	4.9282	549.27	330.39	5.851
298.00	3.3833	377.83	227.57	5.378	438.00	4.9506	551.75	331.88	5.857
300.00	3.4057	380.32	229.06	5.387	440.00	4.9729	554.24	333.37	5.862
302.00	3.4282	382.81	230.55	5.395	442.00	4.9953	556.72	334.86	5.868
304.00	3.4506	385.29	232.04	5.403	444.00	5.0177	559.20	336.35	5.874
306.00	3.4730	387.78	233.53	5.411	446.00	5.0400	561.69	337.84	5.879
308.00	3.4954	390.27	235.02	5.419	448.00	5.0624	564.17	339.33	5.885
310.00	3.5178	392.75	236.51	5.427	450.00	5.0848	566.65	340.82	5.890
312.00	3.5402	395.24	238.00	5.435	452.00	5.1072	569.14	342.31	5.896
314.00	3.5626	397.72	239.49	5.443	454.00	5.1295	571.62	343.80	5.901
316.00	3.5850	400.21	240.99	5.451	456.00	5.1519	574.10	345.28	5.907
318.00	3.6074	402.69	242.48	5.459	458.00	5.1743	576.58	346.77	5.912
320.00	3.6298	405.18	243.97	5.467	460.00	5.1967	579.07	348.26	5.918
322.00	3.6522	407.67	245.46	5.475	462.00	5.2190	581.55	349.75	5.923
324.00	3.6746	410.15	246.95	5.482	464.00	5.2414	584.03	351.24	5.928
326.00	3.6970	412.64	248.44	5.490	466.00	5.2638	586.52	352.73	5.934
328.00	3.7194	415.12	249.93	5.498	468.00	5.2861	589.00	354.22	5.939
330.00	3.7418	417.61	251.42	5.505	470.00	5.3085	591.48	355.71	5.944
332.00	3.7642	420.09	252.91	5.513	472.00	5.3309	593.96	357.20	5.950
334.00	3.7866	422.58	254.40	5.520	474.00	5.3532	596.45	358.69	5.955
336.00	3.8090	425.06	255.89	5.527	476.00	5.3756	598.93	360.18	5.960
338.00	3.8314	427.55	257.38	5.535	478.00	5.3980	601.41	361.67	5.965
340.00	3.8538	430.03	258.87	5.542	480.00	5.4204	603.90	363.16	5.970
342.00	3.8762	432.52	260.36	5.549	482.00	5.4427	606.38	364.65	5.976
344.00	3.8986	435.00	261.85	5.557	484.00	5.4651	608.86	366.14	5.981
346.00	3.9210	437.49	263.34	5.564	486.00	5.4875	611.34	367.62	5.986
348.00	3.9433	439.97	264.83	5.571	488.00	5.5098	613.83	369.11	5.991
350.00	3.9657	442.46	266.32	5.578	490.00	5.5322	616.31	370.60	5.996
352.00	3.9881	444.94	267.82	5.585	492.00	5.5546	618.79	372.09	6.001
354.00	4.0105	447.43	269.31	5.592	494.00	5.5769	621.28	373.58	6.006
356.00	4.0329	449.91	270.80	5.599	496.00	5.5993	623.76	375.07	6.011
358.00	4.0553	452.40	272.29	5.606	498.00	5.6217	626.24	376.56	6.016
360.00	4.0777	454.88	273.78	5.613	500.00	5.6440	628.72	378.05	6.021
362.00	4.1001	457.37	275.27	5.620	502.00	5.6664	631.21	379.54	6.026
364.00	4.1225	459.85	276.76	5.627	504.00	5.6888	633.69	381.03	6.031
366.00	4.1449	462.34	278.25	5.634	506.00	5.7111	636.17	382.52	6.036
368.00	4.1672	464.82	279.74	5.640	508.00	5.7335	638.65	384.01	6.041
370.00	4.1896	467.30	281.23	5.647	510.00	5.7559	641.14	385.50	6.046
372.00	4.2120	469.79	282.72	5.654	512.00	5.7782	643.62	386.98	6.051
374.00	4.2344	472.27	284.21	5.661	514.00	5.8006	646.10	388.47	6.055
376.00	4.2568	474.76	285.70	5.667	516.00	5.8230	648.58	389.96	6.060
378.00	4.2792	477.24	287.19	5.674	518.00	5.8453	651.07	391.45	6.065
380.00	4.3016	479.73	288.68	5.680	520.00	5.8677	653.55	392.94	6.070
382.00	4.3239	482.21	290.17	5.687	522.00	5.8901	656.03	394.43	6.075
384.00	4.3463	484.69	291.66	5.693	524.00	5.9124	658.51	395.92	6.079
386.00	4.3687	487.18	293.15	5.700	526.00	5.9348	661.00	397.41	6.084
388.00	4.3911	489.66	294.64	5.706	528.00	5.9572	663.48	398.90	6.089
390.00	4.4135	492.15	296.13	5.713	530.00	5.9795	665.96	400.39	6.093
392.00	4.4359	494.63	297.62	5.719	532.00	6.0019	668.44	401.88	6.098
394.00	4.4582	497.11	299.11	5.725	534.00	6.0242	670.93	403.36	6.103
396.00	4.4806	499.60	300.60	5.732	536.00	6.0466	673.41	404.85	6.107
398.00	4.5030	502.08	302.09	5.738	538.00	6.0690	675.89	406.34	6.112
400.00	4.5254	504.57	303.58	5.744	540.00	6.0913	678.37	407.83	6.117

260.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.0965	6.85	2.20	.506
8.00	.1001	8.05	3.23	.669
10.00	.1054	9.49	4.42	.836
12.00	.1130	11.29	5.85	1.007
14.00	.1238	13.48	7.52	1.175
16.00	.1386	16.27	9.60	1.361
18.00	.1575	19.45	11.87	1.548
20.00	.1798	22.78	14.13	1.724
22.00	.2036	26.10	16.30	1.882
24.00	.2281	29.35	18.37	2.023
26.00	.2527	32.50	20.34	2.150
28.00	.2770	35.56	22.23	2.263
30.00	.3012	38.55	24.06	2.366
32.00	.3250	41.48	25.85	2.461
34.00	.3486	44.36	27.59	2.548
36.00	.3719	47.20	29.30	2.629
38.00	.3950	50.00	30.99	2.705
40.00	.4180	52.76	32.65	2.776
42.00	.4407	55.51	34.30	2.843
44.00	.4633	58.23	35.93	2.906
46.00	.4858	60.93	37.55	2.966
48.00	.5082	63.61	39.16	3.023
50.00	.5304	66.28	40.76	3.078
52.00	.5525	68.93	42.35	3.130
54.00	.5746	71.57	43.93	3.179
56.00	.5965	74.21	45.50	3.227
58.00	.6184	76.83	47.07	3.273
60.00	.6402	79.44	48.64	3.318
62.00	.6620	82.05	50.19	3.360
64.00	.6837	84.64	51.75	3.402
66.00	.7053	87.23	53.30	3.441
68.00	.7269	89.82	54.85	3.480
70.00	.7485	92.40	56.39	3.517
72.00	.7699	94.98	57.93	3.554
74.00	.7914	97.55	59.47	3.589
76.00	.8128	100.11	61.00	3.623
78.00	.8342	102.67	62.53	3.656
80.00	.8556	105.23	64.07	3.689
82.00	.8769	107.79	65.59	3.720
84.00	.8982	110.34	67.12	3.751
86.00	.9195	112.89	68.65	3.781
88.00	.9407	115.43	70.17	3.810
90.00	.9619	117.97	71.69	3.839
92.00	.9831	120.51	73.21	3.867
94.00	1.0043	123.05	74.73	3.894
96.00	1.0254	125.59	76.25	3.921
98.00	1.0466	128.12	77.76	3.947
100.00	1.0677	130.65	79.28	3.972
102.00	1.0888	133.18	80.79	3.998
104.00	1.1099	135.71	82.31	4.022
106.00	1.1310	138.24	83.82	4.046
108.00	1.1520	140.76	85.33	4.070
110.00	1.1731	143.29	86.84	4.093
112.00	1.1941	145.81	88.35	4.116
114.00	1.2151	148.33	89.86	4.138
116.00	1.2361	150.85	91.37	4.160
118.00	1.2571	153.37	92.88	4.181
120.00	1.2781	155.88	94.39	4.202
122.00	1.2991	158.40	95.89	4.223
124.00	1.3200	160.91	97.40	4.244
126.00	1.3410	163.43	98.91	4.264
128.00	1.3619	165.94	100.41	4.284
130.00	1.3829	168.45	101.92	4.303
132.00	1.4038	170.96	103.42	4.322
134.00	1.4247	173.47	104.92	4.341
136.00	1.4456	175.98	106.43	4.360
138.00	1.4665	178.49	107.93	4.378
140.00	1.4874	181.00	109.43	4.396
142.00	1.5083	183.51	110.93	4.414
144.00	1.5292	186.01	112.44	4.431
146.00	1.5501	188.52	113.94	4.449
148.00	1.5709	191.02	115.44	4.466
150.00	1.5918	193.53	116.94	4.483
152.00	1.6127	196.03	118.44	4.499
154.00	1.6335	198.54	119.94	4.515
156.00	1.6544	201.04	121.44	4.532
158.00	1.6752	203.54	122.94	4.548
160.00	1.6960	206.04	124.44	4.563
162.00	1.7169	208.54	125.94	4.579
164.00	1.7377	211.04	127.43	4.594
166.00	1.7585	213.54	128.93	4.609
168.00	1.7793	216.04	130.43	4.624
170.00	1.8002	218.54	131.93	4.639
172.00	1.8210	221.04	133.43	4.654
174.00	1.8418	223.54	134.92	4.668
176.00	1.8626	226.04	136.42	4.682
178.00	1.8834	228.54	137.92	4.697
180.00	1.9042	231.04	139.42	4.710
182.00	1.9250	233.53	140.91	4.724
184.00	1.9458	236.03	142.41	4.738
186.00	1.9665	238.53	143.91	4.751
188.00	1.9873	241.02	145.40	4.765
190.00	2.0081	243.52	146.90	4.778
192.00	2.0289	246.01	148.39	4.791
194.00	2.0497	248.51	149.89	4.804
196.00	2.0704	251.00	151.38	4.817
198.00	2.0912	253.50	152.88	4.829
200.00	2.1120	255.99	154.38	4.842
202.00	2.1327	258.49	155.87	4.854
204.00	2.1535	260.98	157.37	4.867
206.00	2.1742	263.47	158.86	4.879
208.00	2.1950	265.97	160.36	4.891
210.00	2.2158	268.46	161.85	4.903
212.00	2.2365	270.95	163.34	4.915
214.00	2.2573	273.45	164.84	4.926
216.00	2.2780	275.94	166.33	4.938
218.00	2.2987	278.43	167.83	4.949
220.00	2.3195	280.92	169.32	4.961
222.00	2.3402	283.42	170.82	4.972
224.00	2.3610	285.91	172.31	4.983
226.00	2.3817	288.40	173.80	4.994
228.00	2.4024	290.89	175.30	5.005
230.00	2.4232	293.38	176.79	5.016
232.00	2.4439	295.87	178.28	5.027
234.00	2.4646	298.36	179.78	5.038
236.00	2.4854	300.85	181.27	5.048
238.00	2.5061	303.34	182.76	5.059
240.00	2.5268	305.83	184.26	5.069
242.00	2.5475	308.32	185.75	5.079
244.00	2.5683	310.81	187.24	5.090
246.00	2.5890	313.30	188.74	5.100
248.00	2.6097	315.79	190.23	5.110
250.00	2.6304	318.28	191.72	5.120
252.00	2.6511	320.77	193.21	5.130
254.00	2.6718	323.26	194.71	5.140
256.00	2.6926	325.75	196.20	5.149
258.00	2.7133	328.24	197.69	5.159
260.00	2.7340	330.73	199.18	5.169

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	2.7547	333.22	200.68	5.178	402.00	4.2023	507.23	305.04	5.710
264.00	2.7754	335.71	202.17	5.188	404.00	4.2230	509.72	306.53	5.717
266.00	2.7961	338.20	203.66	5.197	406.00	4.2436	512.20	308.02	5.723
268.00	2.8168	340.68	205.15	5.206	408.00	4.2643	514.68	309.51	5.729
270.00	2.8375	343.17	206.65	5.216	410.00	4.2850	517.17	311.00	5.735
272.00	2.8582	345.66	208.14	5.225	412.00	4.3056	519.65	312.49	5.741
274.00	2.8789	348.15	209.63	5.234	414.00	4.3263	522.14	313.98	5.747
276.00	2.8996	350.64	211.12	5.243	416.00	4.3469	524.62	315.47	5.753
278.00	2.9203	353.12	212.61	5.252	418.00	4.3676	527.10	316.96	5.759
280.00	2.9410	355.61	214.10	5.261	420.00	4.3883	529.59	318.45	5.765
282.00	2.9617	358.10	215.60	5.270	422.00	4.4089	532.07	319.94	5.771
284.00	2.9824	360.59	217.09	5.279	424.00	4.4296	534.55	321.43	5.777
286.00	3.0031	363.07	218.58	5.287	426.00	4.4502	537.04	322.92	5.782
288.00	3.0238	365.56	220.07	5.296	428.00	4.4709	539.52	324.41	5.788
290.00	3.0445	368.05	221.56	5.305	430.00	4.4916	542.01	325.89	5.794
292.00	3.0652	370.54	223.05	5.313	432.00	4.5122	544.49	327.38	5.800
294.00	3.0859	373.02	224.55	5.322	434.00	4.5329	546.97	328.87	5.806
296.00	3.1066	375.51	226.04	5.330	436.00	4.5535	549.46	330.36	5.811
298.00	3.1273	378.00	227.53	5.338	438.00	4.5742	551.94	331.85	5.817
300.00	3.1480	380.48	229.02	5.347	440.00	4.5948	554.42	333.34	5.823
302.00	3.1687	382.97	230.51	5.355	442.00	4.6155	556.91	334.83	5.828
304.00	3.1893	385.46	232.00	5.363	444.00	4.6361	559.39	336.32	5.834
306.00	3.2100	387.94	233.49	5.371	446.00	4.6568	561.87	337.81	5.839
308.00	3.2307	390.43	234.99	5.379	448.00	4.6775	564.36	339.30	5.845
310.00	3.2514	392.92	236.48	5.388	450.00	4.6981	566.84	340.79	5.851
312.00	3.2721	395.40	237.97	5.396	452.00	4.7188	569.32	342.28	5.856
314.00	3.2928	397.89	239.46	5.403	454.00	4.7394	571.81	343.77	5.862
316.00	3.3135	400.38	240.95	5.411	456.00	4.7601	574.29	345.26	5.867
318.00	3.3341	402.86	242.44	5.419	458.00	4.7807	576.77	346.75	5.872
320.00	3.3548	405.35	243.93	5.427	460.00	4.8014	579.26	348.24	5.878
322.00	3.3755	407.84	245.42	5.435	462.00	4.8220	581.74	349.73	5.883
324.00	3.3962	410.32	246.91	5.442	464.00	4.8427	584.22	351.22	5.889
326.00	3.4169	412.81	248.40	5.450	466.00	4.8633	586.71	352.71	5.894
328.00	3.4375	415.29	249.90	5.458	468.00	4.8840	589.19	354.20	5.899
330.00	3.4582	417.78	251.39	5.465	470.00	4.9046	591.67	355.69	5.905
332.00	3.4789	420.26	252.88	5.473	472.00	4.9253	594.16	357.18	5.910
334.00	3.4996	422.75	254.37	5.480	474.00	4.9459	596.64	358.66	5.915
336.00	3.5203	425.24	255.86	5.488	476.00	4.9666	599.12	360.15	5.920
338.00	3.5409	427.72	257.35	5.495	478.00	4.9872	601.60	361.64	5.925
340.00	3.5616	430.21	258.84	5.502	480.00	5.0079	604.09	363.13	5.931
342.00	3.5823	432.69	260.33	5.510	482.00	5.0285	606.57	364.62	5.936
344.00	3.6030	435.18	261.82	5.517	484.00	5.0492	609.05	366.11	5.941
346.00	3.6236	437.66	263.31	5.524	486.00	5.0698	611.54	367.60	5.946
348.00	3.6443	440.15	264.80	5.531	488.00	5.0905	614.02	369.09	5.951
350.00	3.6650	442.63	266.29	5.538	490.00	5.1111	616.50	370.58	5.956
352.00	3.6857	445.12	267.78	5.545	492.00	5.1318	618.99	372.07	5.961
354.00	3.7063	447.60	269.27	5.552	494.00	5.1524	621.47	373.56	5.966
356.00	3.7270	450.09	270.76	5.559	496.00	5.1731	623.95	375.05	5.971
358.00	3.7477	452.57	272.25	5.566	498.00	5.1937	626.43	376.54	5.976
360.00	3.7683	455.06	273.74	5.573	500.00	5.2144	628.92	378.03	5.981
362.00	3.7890	457.54	275.23	5.580	502.00	5.2350	631.40	379.52	5.986
364.00	3.8097	460.03	276.73	5.587	504.00	5.2557	633.88	381.01	5.991
366.00	3.8304	462.51	278.22	5.594	506.00	5.2763	636.36	382.49	5.996
368.00	3.8510	465.00	279.71	5.601	508.00	5.2970	638.85	383.98	6.001
370.00	3.8717	467.48	281.20	5.607	510.00	5.3176	641.33	385.47	6.006
372.00	3.8924	469.97	282.69	5.614	512.00	5.3383	643.81	386.96	6.011
374.00	3.9130	472.45	284.18	5.621	514.00	5.3589	646.30	388.45	6.016
376.00	3.9337	474.94	285.67	5.627	516.00	5.3796	648.78	389.94	6.020
378.00	3.9544	477.42	287.16	5.634	518.00	5.4002	651.26	391.43	6.025
380.00	3.9750	479.91	288.65	5.641	520.00	5.4209	653.74	392.92	6.030
382.00	3.9957	482.39	290.14	5.647	522.00	5.4415	656.23	394.41	6.035
384.00	4.0164	484.87	291.63	5.654	524.00	5.4621	658.71	395.90	6.040
386.00	4.0370	487.36	293.12	5.660	526.00	5.4828	661.19	397.39	6.044
388.00	4.0577	489.84	294.61	5.666	528.00	5.5034	663.67	398.88	6.049
390.00	4.0783	492.33	296.10	5.673	530.00	5.5241	666.16	400.36	6.054
392.00	4.0990	494.81	297.59	5.679	532.00	5.5447	668.64	401.85	6.058
394.00	4.1197	497.30	299.08	5.685	534.00	5.5654	671.12	403.34	6.063
396.00	4.1403	499.78	300.57	5.692	536.00	5.5860	673.60	404.83	6.068
398.00	4.1610	502.26	302.06	5.698	538.00	5.6067	676.09	406.32	6.072
400.00	4.1817	504.75	303.55	5.704	540.00	5.6273	678.57	407.81	6.077

280.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.0957	7.17	2.21	.501
8.00	.0992	8.35	3.22	.662
10.00	.1041	9.77	4.38	.824
12.00	.1111	11.51	5.75	.991
14.00	.1207	13.62	7.37	1.153
16.00	.1338	16.30	9.37	1.332
18.00	.1504	19.36	11.57	1.512
20.00	.1701	22.61	13.80	1.683
22.00	.1915	25.89	15.97	1.839
24.00	.2138	29.12	18.04	1.980
26.00	.2364	32.27	20.03	2.106
28.00	.2589	35.35	21.93	2.220
30.00	.2812	38.35	23.78	2.324
32.00	.3033	41.29	25.58	2.419
34.00	.3252	44.18	27.33	2.506
36.00	.3469	47.03	29.06	2.588
38.00	.3684	49.85	30.76	2.664
40.00	.3898	52.63	32.43	2.735
42.00	.4110	55.38	34.09	2.802
44.00	.4320	58.11	35.73	2.866
46.00	.4529	60.82	37.35	2.926
48.00	.4737	63.52	38.97	2.983
50.00	.4944	66.19	40.57	3.038
52.00	.5150	68.86	42.17	3.090
54.00	.5355	71.51	43.76	3.140
56.00	.5560	74.15	45.34	3.188
58.00	.5764	76.77	46.91	3.234
60.00	.5967	79.39	48.48	3.279
62.00	.6169	82.01	50.04	3.322
64.00	.6371	84.61	51.60	3.363
66.00	.6572	87.21	53.15	3.403
68.00	.6773	89.80	54.70	3.442
70.00	.6974	92.39	56.25	3.479
72.00	.7174	94.97	57.79	3.515
74.00	.7373	97.54	59.34	3.551
76.00	.7573	100.11	60.87	3.585
78.00	.7771	102.68	62.41	3.618
80.00	.7970	105.24	63.94	3.651
82.00	.8168	107.80	65.47	3.682
84.00	.8366	110.35	67.00	3.713
86.00	.8564	112.91	68.53	3.743
88.00	.8762	115.46	70.06	3.772
90.00	.8959	118.00	71.58	3.801
92.00	.9156	120.55	73.10	3.829
94.00	.9353	123.09	74.62	3.856
96.00	.9550	125.63	76.14	3.883
98.00	.9746	128.16	77.66	3.909
100.00	.9943	130.70	79.18	3.935
102.00	1.0139	133.23	80.70	3.960
104.00	1.0335	135.76	82.21	3.984
106.00	1.0531	138.29	83.73	4.009
108.00	1.0727	140.82	85.24	4.032
110.00	1.0922	143.35	86.75	4.055
112.00	1.1118	145.87	88.26	4.078
114.00	1.1313	148.39	89.77	4.100
116.00	1.1508	150.92	91.28	4.122
118.00	1.1704	153.44	92.79	4.144
120.00	1.1899	155.96	94.30	4.165
122.00	1.2094	158.47	95.81	4.186
124.00	1.2288	160.99	97.32	4.206
126.00	1.2483	163.51	98.82	4.226
128.00	1.2678	166.02	100.33	4.246
130.00	1.2872	168.54	101.84	4.266
132.00	1.3067	171.05	103.34	4.285
134.00	1.3261	173.56	104.85	4.304
136.00	1.3456	176.07	106.35	4.322
138.00	1.3650	178.58	107.85	4.341
140.00	1.3844	181.09	109.36	4.359
142.00	1.4038	183.60	110.86	4.377
144.00	1.4232	186.11	112.36	4.394
146.00	1.4426	188.62	113.86	4.411
148.00	1.4620	191.12	115.37	4.428
150.00	1.4814	193.63	116.87	4.445
152.00	1.5008	196.13	118.37	4.462
154.00	1.5202	198.64	119.87	4.478
156.00	1.5395	201.14	121.37	4.494
158.00	1.5589	203.65	122.87	4.510
160.00	1.5783	206.15	124.37	4.526
162.00	1.5976	208.65	125.87	4.542
164.00	1.6170	211.16	127.37	4.557
166.00	1.6363	213.66	128.87	4.572
168.00	1.6557	216.16	130.37	4.587
170.00	1.6750	218.66	131.87	4.602
172.00	1.6943	221.16	133.36	4.617
174.00	1.7137	223.66	134.86	4.631
176.00	1.7330	226.16	136.36	4.645
178.00	1.7523	228.66	137.86	4.659
180.00	1.7717	231.16	139.36	4.673
182.00	1.7910	233.65	140.85	4.687
184.00	1.8103	236.15	142.35	4.701
186.00	1.8296	238.65	143.85	4.714
188.00	1.8489	241.15	145.34	4.728
190.00	1.8682	243.64	146.84	4.741
192.00	1.8875	246.14	148.34	4.754
194.00	1.9068	248.64	149.83	4.767
196.00	1.9261	251.13	151.33	4.780
198.00	1.9454	253.63	152.83	4.792
200.00	1.9647	256.12	154.32	4.805
202.00	1.9840	258.62	155.82	4.817
204.00	2.0033	261.11	157.31	4.830
206.00	2.0226	263.61	158.81	4.842
208.00	2.0418	266.10	160.30	4.854
210.00	2.0611	268.60	161.80	4.866
212.00	2.0804	271.09	163.29	4.878
214.00	2.0997	273.58	164.79	4.889
216.00	2.1189	276.08	166.28	4.901
218.00	2.1382	278.57	167.78	4.912
220.00	2.1575	281.06	169.27	4.924
222.00	2.1767	283.56	170.77	4.935
224.00	2.1960	286.05	172.26	4.946
226.00	2.2153	288.54	173.75	4.957
228.00	2.2345	291.03	175.25	4.968
230.00	2.2538	293.53	176.74	4.979
232.00	2.2731	296.02	178.24	4.990
234.00	2.2923	298.51	179.73	5.001
236.00	2.3116	301.00	181.22	5.011
238.00	2.3308	303.49	182.72	5.022
240.00	2.3501	305.98	184.21	5.032
242.00	2.3693	308.47	185.70	5.043
244.00	2.3886	310.96	187.20	5.053
246.00	2.4078	313.45	188.69	5.063
248.00	2.4271	315.94	190.18	5.073
250.00	2.4463	318.43	191.68	5.083
252.00	2.4655	320.92	193.17	5.093
254.00	2.4848	323.41	194.66	5.103
256.00	2.5040	325.90	196.16	5.113
258.00	2.5233	328.39	197.65	5.122
260.00	2.5425	330.88	199.14	5.132

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	2.5617	333.37	200.63	5.141	402.00	3.9062	507.42	305.01	5.674
264.00	2.5810	335.86	202.13	5.151	404.00	3.9254	509.90	306.50	5.680
266.00	2.6002	338.35	203.62	5.160	406.00	3.9446	512.38	307.99	5.686
268.00	2.6194	340.84	205.11	5.170	408.00	3.9638	514.87	309.48	5.692
270.00	2.6387	343.33	206.60	5.179	410.00	3.9830	517.35	310.97	5.698
272.00	2.6579	345.82	208.10	5.188	412.00	4.0022	519.84	312.46	5.704
274.00	2.6771	348.31	209.59	5.197	414.00	4.0214	522.32	313.95	5.710
276.00	2.6964	350.80	211.08	5.206	416.00	4.0405	524.80	315.44	5.716
278.00	2.7156	353.28	212.57	5.215	418.00	4.0597	527.29	316.93	5.722
280.00	2.7348	355.77	214.06	5.224	420.00	4.0789	529.77	318.42	5.728
282.00	2.7540	358.26	215.56	5.233	422.00	4.0981	532.26	319.91	5.734
284.00	2.7733	360.75	217.05	5.242	424.00	4.1173	534.74	321.40	5.740
286.00	2.7925	363.24	218.54	5.250	426.00	4.1365	537.22	322.89	5.746
288.00	2.8117	365.72	220.03	5.259	428.00	4.1556	539.71	324.38	5.751
290.00	2.8309	368.21	221.52	5.268	430.00	4.1748	542.19	325.87	5.757
292.00	2.8501	370.70	223.02	5.276	432.00	4.1940	544.68	327.36	5.763
294.00	2.8694	373.19	224.51	5.285	434.00	4.2132	547.16	328.85	5.769
296.00	2.8886	375.67	226.00	5.293	436.00	4.2324	549.64	330.34	5.774
298.00	2.9078	378.16	227.49	5.302	438.00	4.2516	552.13	331.83	5.780
300.00	2.9270	380.65	228.98	5.310	440.00	4.2707	554.61	333.32	5.786
302.00	2.9462	383.14	230.47	5.318	442.00	4.2899	557.09	334.81	5.791
304.00	2.9654	385.62	231.97	5.326	444.00	4.3091	559.58	336.30	5.797
306.00	2.9847	388.11	233.46	5.334	446.00	4.3283	562.06	337.79	5.803
308.00	3.0039	390.60	234.95	5.343	448.00	4.3475	564.55	339.28	5.808
310.00	3.0231	393.09	236.44	5.351	450.00	4.3667	567.03	340.77	5.814
312.00	3.0423	395.57	237.93	5.359	452.00	4.3858	569.51	342.26	5.819
314.00	3.0615	398.06	239.42	5.367	454.00	4.4050	572.00	343.74	5.825
316.00	3.0807	400.55	240.91	5.374	456.00	4.4242	574.48	345.23	5.830
318.00	3.0999	403.03	242.41	5.382	458.00	4.4434	576.96	346.72	5.836
320.00	3.1191	405.52	243.90	5.390	460.00	4.4626	579.45	348.21	5.841
322.00	3.1383	408.00	245.39	5.398	462.00	4.4817	581.93	349.70	5.846
324.00	3.1576	410.49	246.88	5.406	464.00	4.5009	584.41	351.19	5.852
326.00	3.1768	412.98	248.37	5.413	466.00	4.5201	586.90	352.68	5.857
328.00	3.1960	415.46	249.86	5.421	468.00	4.5393	589.38	354.17	5.862
330.00	3.2152	417.95	251.35	5.428	470.00	4.5585	591.86	355.66	5.868
332.00	3.2344	420.44	252.84	5.436	472.00	4.5776	594.35	357.15	5.873
334.00	3.2536	422.92	254.33	5.443	474.00	4.5968	596.83	358.64	5.878
336.00	3.2728	425.41	255.82	5.451	476.00	4.6160	599.31	360.13	5.883
338.00	3.2920	427.89	257.32	5.458	478.00	4.6352	601.80	361.62	5.889
340.00	3.3112	430.38	258.81	5.465	480.00	4.6543	604.28	363.11	5.894
342.00	3.3304	432.87	260.30	5.473	482.00	4.6735	606.76	364.60	5.899
344.00	3.3496	435.35	261.79	5.480	484.00	4.6927	609.25	366.09	5.904
346.00	3.3688	437.84	263.28	5.487	486.00	4.7119	611.73	367.58	5.909
348.00	3.3880	440.32	264.77	5.494	488.00	4.7310	614.21	369.07	5.914
350.00	3.4072	442.81	266.26	5.502	490.00	4.7502	616.70	370.56	5.919
352.00	3.4264	445.29	267.75	5.509	492.00	4.7694	619.18	372.05	5.924
354.00	3.4456	447.78	269.24	5.516	494.00	4.7886	621.66	373.54	5.930
356.00	3.4648	450.26	270.73	5.523	496.00	4.8078	624.14	375.02	5.935
358.00	3.4840	452.75	272.22	5.530	498.00	4.8269	626.63	376.51	5.940
360.00	3.5032	455.24	273.71	5.537	500.00	4.8461	629.11	378.00	5.945
362.00	3.5224	457.72	275.20	5.543	502.00	4.8653	631.59	379.49	5.949
364.00	3.5416	460.21	276.69	5.550	504.00	4.8845	634.08	380.98	5.954
366.00	3.5608	462.69	278.18	5.557	506.00	4.9036	636.56	382.47	5.959
368.00	3.5800	465.18	279.68	5.564	508.00	4.9228	639.04	383.96	5.964
370.00	3.5992	467.66	281.17	5.571	510.00	4.9420	641.52	385.45	5.969
372.00	3.6184	470.15	282.66	5.577	512.00	4.9612	644.01	386.94	5.974
374.00	3.6376	472.63	284.15	5.584	514.00	4.9803	646.49	388.43	5.979
376.00	3.6568	475.12	285.64	5.591	516.00	4.9995	648.97	389.92	5.984
378.00	3.6759	477.60	287.13	5.597	518.00	5.0187	651.46	391.41	5.988
380.00	3.6951	480.09	288.62	5.604	520.00	5.0378	653.94	392.90	5.993
382.00	3.7143	482.57	290.11	5.610	522.00	5.0570	656.42	394.39	5.998
384.00	3.7335	485.05	291.60	5.617	524.00	5.0762	658.90	395.88	6.003
386.00	3.7527	487.54	293.09	5.623	526.00	5.0954	661.39	397.36	6.007
388.00	3.7719	490.02	294.58	5.630	528.00	5.1145	663.87	398.85	6.012
390.00	3.7911	492.51	296.07	5.636	530.00	5.1337	666.35	400.34	6.017
392.00	3.8103	494.99	297.56	5.642	532.00	5.1529	668.84	401.83	6.022
394.00	3.8295	497.48	299.05	5.649	534.00	5.1721	671.32	403.32	6.026
396.00	3.8487	499.96	300.54	5.655	536.00	5.1912	673.80	404.81	6.031
398.00	3.8679	502.45	302.03	5.661	538.00	5.2104	676.28	406.30	6.035
400.00	3.8870	504.93	303.52	5.667	540.00	5.2296	678.77	407.79	6.040

300.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.0950	7.49	2.22	.495
8.00	.0982	8.66	3.21	.654
10.00	.1029	10.05	4.34	.814
12.00	.1093	11.74	5.67	.977
14.00	.1181	13.79	7.23	1.133
16.00	.1298	16.38	9.17	1.306
18.00	.1446	19.33	11.31	1.480
20.00	.1621	22.50	13.50	1.647
22.00	.1814	25.73	15.66	1.801
24.00	.2018	28.93	17.73	1.940
26.00	.2225	32.08	19.73	2.066
28.00	.2433	35.16	21.65	2.180
30.00	.2641	38.17	23.51	2.284
32.00	.2847	41.12	25.32	2.379
34.00	.3051	44.02	27.09	2.467
36.00	.3254	46.89	28.82	2.549
38.00	.3455	49.71	30.53	2.625
40.00	.3654	52.50	32.21	2.697
42.00	.3852	55.27	33.88	2.764
44.00	.4049	58.01	35.53	2.828
46.00	.4245	60.73	37.16	2.889
48.00	.4440	63.43	38.78	2.946
50.00	.4633	66.12	40.39	3.001
52.00	.4826	68.79	41.99	3.053
54.00	.5018	71.45	43.59	3.104
56.00	.5209	74.09	45.17	3.152
58.00	.5400	76.73	46.75	3.198
60.00	.5590	79.36	48.32	3.242
62.00	.5779	81.97	49.89	3.285
64.00	.5968	84.58	51.45	3.327
66.00	.6156	87.19	53.01	3.367
68.00	.6344	89.78	54.57	3.406
70.00	.6531	92.38	56.12	3.443
72.00	.6718	94.96	57.66	3.480
74.00	.6905	97.54	59.21	3.515
76.00	.7091	100.12	60.75	3.549
78.00	.7277	102.69	62.29	3.583
80.00	.7463	105.25	63.82	3.615
82.00	.7648	107.82	65.36	3.647
84.00	.7833	110.38	66.89	3.678
86.00	.8018	112.93	68.42	3.708
88.00	.8203	115.49	69.94	3.737
90.00	.8387	118.04	71.47	3.766
92.00	.8572	120.58	73.00	3.794
94.00	.8756	123.13	74.52	3.821
96.00	.8940	125.67	76.04	3.848
98.00	.9123	128.21	77.56	3.874
100.00	.9307	130.75	79.08	3.900
102.00	.9490	133.28	80.60	3.925
104.00	.9673	135.82	82.11	3.949
106.00	.9856	138.35	83.63	3.974
108.00	1.0039	140.88	85.15	3.997
110.00	1.0222	143.41	86.66	4.020
112.00	1.0405	145.94	88.17	4.043
114.00	1.0587	148.46	89.68	4.065
116.00	1.0770	150.99	91.20	4.087
118.00	1.0952	153.51	92.71	4.109
120.00	1.1134	156.03	94.22	4.130
122.00	1.1316	158.55	95.73	4.151
124.00	1.1498	161.07	97.23	4.171
126.00	1.1680	163.59	98.74	4.192
128.00	1.1862	166.10	100.25	4.211
130.00	1.2044	168.62	101.76	4.231
132.00	1.2226	171.14	103.26	4.250
134.00	1.2407	173.65	104.77	4.269
136.00	1.2589	176.16	106.27	4.288
138.00	1.2770	178.67	107.78	4.306
140.00	1.2952	181.19	109.28	4.324
142.00	1.3133	183.70	110.79	4.342
144.00	1.3314	186.21	112.29	4.359
146.00	1.3495	188.72	113.79	4.377
148.00	1.3676	191.22	115.30	4.394
150.00	1.3858	193.73	116.80	4.411
152.00	1.4039	196.24	118.30	4.427
154.00	1.4220	198.74	119.80	4.444
156.00	1.4400	201.25	121.30	4.460
158.00	1.4581	203.76	122.80	4.476
160.00	1.4762	206.26	124.30	4.491
162.00	1.4943	208.76	125.81	4.507
164.00	1.5124	211.27	127.31	4.522
166.00	1.5304	213.77	128.81	4.538
168.00	1.5485	216.27	130.30	4.553
170.00	1.5666	218.78	131.80	4.567
172.00	1.5846	221.28	133.30	4.582
174.00	1.6027	223.78	134.80	4.596
176.00	1.6207	226.28	136.30	4.611
178.00	1.6388	228.78	137.80	4.625
180.00	1.6568	231.28	139.30	4.639
182.00	1.6749	233.78	140.79	4.653
184.00	1.6929	236.28	142.29	4.666
186.00	1.7109	236.78	143.79	4.680
188.00	1.7290	241.27	145.29	4.693
190.00	1.7470	243.77	146.78	4.706
192.00	1.7650	246.27	148.28	4.719
194.00	1.7830	248.77	149.78	4.732
196.00	1.8010	251.26	151.27	4.745
198.00	1.8191	253.76	152.77	4.758
200.00	1.8371	256.26	154.27	4.770
202.00	1.8551	258.75	155.76	4.783
204.00	1.8731	261.25	157.26	4.795
206.00	1.8911	263.74	158.76	4.807
208.00	1.9091	266.24	160.25	4.819
210.00	1.9271	268.73	161.75	4.831
212.00	1.9451	271.23	163.24	4.843
214.00	1.9631	273.72	164.74	4.855
216.00	1.9811	276.22	166.23	4.866
218.00	1.9991	278.71	167.73	4.878
220.00	2.0171	281.20	169.22	4.889
222.00	2.0351	283.70	170.72	4.901
224.00	2.0531	286.19	172.21	4.912
226.00	2.0710	288.68	173.71	4.923
228.00	2.0890	291.18	175.20	4.934
230.00	2.1070	293.67	176.69	4.945
232.00	2.1250	296.16	178.19	4.956
234.00	2.1430	298.65	179.68	4.966
236.00	2.1609	301.15	181.18	4.977
238.00	2.1789	303.64	182.67	4.987
240.00	2.1969	306.13	184.17	4.998
242.00	2.2149	308.62	185.66	5.008
244.00	2.2328	311.11	187.15	5.018
246.00	2.2508	313.60	188.65	5.029
248.00	2.2688	316.10	190.14	5.039
250.00	2.2867	318.59	191.63	5.049
252.00	2.3047	321.08	193.13	5.059
254.00	2.3227	323.57	194.62	5.068
256.00	2.3406	326.06	196.11	5.078
258.00	2.3586	328.55	197.61	5.088
260.00	2.3766	331.04	199.10	5.097

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	2.3945	333.53	200.59	5.107	402.00	3.6496	507.60	304.98	5.639
264.00	2.4125	336.02	202.08	5.116	404.00	3.6675	510.08	306.47	5.645
266.00	2.4304	338.51	203.58	5.126	406.00	3.6854	512.57	307.96	5.652
268.00	2.4484	341.00	205.07	5.135	408.00	3.7034	515.05	309.45	5.658
270.00	2.4663	343.49	206.56	5.144	410.00	3.7213	517.54	310.94	5.664
272.00	2.4843	345.98	208.06	5.154	412.00	3.7392	520.02	312.43	5.670
274.00	2.5022	348.47	209.55	5.163	414.00	3.7571	522.50	313.92	5.676
276.00	2.5202	350.95	211.04	5.172	416.00	3.7750	524.99	315.41	5.682
278.00	2.5381	353.44	212.53	5.181	418.00	3.7929	527.47	316.90	5.688
280.00	2.5561	355.93	214.03	5.190	420.00	3.8108	529.96	318.39	5.694
282.00	2.5740	358.42	215.52	5.199	422.00	3.8287	532.44	319.88	5.700
284.00	2.5920	360.91	217.01	5.207	424.00	3.8466	534.93	321.37	5.705
286.00	2.6099	363.40	218.50	5.216	426.00	3.8645	537.41	322.86	5.711
288.00	2.6279	365.89	219.99	5.225	428.00	3.8824	539.89	324.35	5.717
290.00	2.6458	368.37	221.49	5.233	430.00	3.9003	542.38	325.84	5.723
292.00	2.6638	370.86	222.98	5.242	432.00	3.9183	544.86	327.33	5.729
294.00	2.6817	373.35	224.47	5.250	434.00	3.9362	547.35	328.82	5.734
296.00	2.6996	375.84	225.96	5.259	436.00	3.9541	549.83	330.31	5.740
298.00	2.7176	378.33	227.45	5.267	438.00	3.9720	552.31	331.80	5.746
300.00	2.7355	380.81	228.95	5.276	440.00	3.9899	554.80	333.29	5.752
302.00	2.7535	383.30	230.44	5.284	442.00	4.0078	557.28	334.78	5.757
304.00	2.7714	385.79	231.93	5.292	444.00	4.0257	559.77	336.27	5.763
306.00	2.7893	388.28	233.42	5.300	446.00	4.0436	562.25	337.76	5.768
308.00	2.8073	390.76	234.91	5.308	448.00	4.0615	564.73	339.25	5.774
310.00	2.8252	393.25	236.40	5.316	450.00	4.0794	567.22	340.74	5.779
312.00	2.8431	395.74	237.90	5.324	452.00	4.0973	569.70	342.23	5.785
314.00	2.8611	398.23	239.39	5.332	454.00	4.1152	572.19	343.72	5.790
316.00	2.8790	400.71	240.88	5.340	456.00	4.1331	574.67	345.21	5.796
318.00	2.8969	403.20	242.37	5.348	458.00	4.1510	577.15	346.70	5.801
320.00	2.9149	405.69	243.86	5.356	460.00	4.1689	579.64	348.19	5.807
322.00	2.9328	408.17	245.35	5.364	462.00	4.1868	582.12	349.68	5.812
324.00	2.9507	410.66	246.84	5.371	464.00	4.2047	584.60	351.17	5.817
326.00	2.9687	413.15	248.34	5.379	466.00	4.2226	587.09	352.66	5.823
328.00	2.9866	415.63	249.83	5.386	468.00	4.2405	589.57	354.15	5.828
330.00	3.0045	418.12	251.32	5.394	470.00	4.2584	592.05	355.64	5.833
332.00	3.0225	420.61	252.81	5.402	472.00	4.2763	594.54	357.13	5.839
334.00	3.0404	423.09	254.30	5.409	474.00	4.2942	597.02	358.62	5.844
336.00	3.0583	425.58	255.79	5.416	476.00	4.3121	599.50	360.11	5.849
338.00	3.0762	428.07	257.28	5.424	478.00	4.3300	601.99	361.60	5.854
340.00	3.0942	430.55	258.77	5.431	480.00	4.3479	604.47	363.09	5.860
342.00	3.1121	433.04	260.26	5.438	482.00	4.3658	606.95	364.57	5.865
344.00	3.1300	435.53	261.76	5.446	484.00	4.3837	609.44	366.06	5.870
346.00	3.1479	438.01	263.25	5.453	486.00	4.4016	611.92	367.55	5.875
348.00	3.1659	440.50	264.74	5.460	488.00	4.4195	614.40	369.04	5.880
350.00	3.1838	442.98	266.23	5.467	490.00	4.4374	616.89	370.53	5.885
352.00	3.2017	445.47	267.72	5.474	492.00	4.4553	619.37	372.02	5.890
354.00	3.2196	447.95	269.21	5.481	494.00	4.4732	621.85	373.51	5.895
356.00	3.2375	450.44	270.70	5.488	496.00	4.4911	624.34	375.00	5.900
358.00	3.2555	452.93	272.19	5.495	498.00	4.5090	626.82	376.49	5.905
360.00	3.2734	455.41	273.68	5.502	500.00	4.5269	629.30	377.98	5.910
362.00	3.2913	457.90	275.17	5.509	502.00	4.5448	631.79	379.47	5.915
364.00	3.3092	460.38	276.66	5.516	504.00	4.5627	634.27	380.96	5.920
366.00	3.3271	462.87	278.15	5.523	506.00	4.5806	636.75	382.45	5.925
368.00	3.3451	465.35	279.64	5.530	508.00	4.5985	639.24	383.94	5.930
370.00	3.3630	467.84	281.13	5.536	510.00	4.6164	641.72	385.43	5.935
372.00	3.3809	470.32	282.63	5.543	512.00	4.6343	644.20	386.92	5.940
374.00	3.3988	472.81	284.12	5.550	514.00	4.6522	646.69	388.41	5.945
376.00	3.4167	475.29	285.61	5.556	516.00	4.6701	649.17	389.90	5.949
378.00	3.4347	477.78	287.10	5.563	518.00	4.6880	651.65	391.39	5.954
380.00	3.4526	480.26	288.59	5.569	520.00	4.7059	654.13	392.87	5.959
382.00	3.4705	482.75	290.08	5.576	522.00	4.7238	656.62	394.36	5.964
384.00	3.4884	485.23	291.57	5.582	524.00	4.7417	659.10	395.85	5.968
386.00	3.5063	487.72	293.06	5.589	526.00	4.7596	661.58	397.34	5.973
388.00	3.5242	490.20	294.55	5.595	528.00	4.7775	664.07	398.83	5.978
390.00	3.5421	492.69	296.04	5.602	530.00	4.7954	666.55	400.32	5.983
392.00	3.5601	495.17	297.53	5.608	532.00	4.8133	669.03	401.81	5.987
394.00	3.5780	497.66	299.02	5.614	534.00	4.8312	671.51	403.30	5.992
396.00	3.5959	500.14	300.51	5.621	536.00	4.8491	674.00	404.79	5.997
398.00	3.6138	502.63	302.00	5.627	538.00	4.8670	676.48	406.28	6.001
400.00	3.6317	505.11	303.49	5.633	540.00	4.8849	678.96	407.77	6.006

350.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.0933	8.29	2.25	.484
8.00	.0962	9.43	3.20	.638
10.00	.1002	10.75	4.26	.791
12.00	.1056	12.36	5.51	.945
14.00	.1128	14.26	6.96	1.091
16.00	.1220	16.68	8.77	1.252
18.00	.1335	19.43	10.79	1.414
20.00	.1470	22.41	12.88	1.571
22.00	.1623	25.50	14.99	1.718
24.00	.1787	28.62	17.05	1.854
26.00	.1957	31.73	19.05	1.978
28.00	.2131	34.79	20.99	2.092
30.00	.2306	37.81	22.87	2.196
32.00	.2481	40.77	24.71	2.292
34.00	.2655	43.70	26.50	2.380
36.00	.2828	46.58	28.26	2.463
38.00	.3001	49.43	29.99	2.540
40.00	.3172	52.24	31.70	2.612
42.00	.3342	55.03	33.38	2.680
44.00	.3511	57.79	35.05	2.744
46.00	.3680	60.53	36.70	2.805
48.00	.3847	63.25	38.33	2.863
50.00	.4014	65.96	39.96	2.918
52.00	.4180	68.65	41.57	2.971
54.00	.4345	71.32	43.18	3.021
56.00	.4510	73.99	44.78	3.070
58.00	.4674	76.64	46.37	3.116
60.00	.4838	79.28	47.95	3.161
62.00	.5001	81.91	49.53	3.204
64.00	.5163	84.54	51.10	3.246
66.00	.5325	87.16	52.67	3.286
68.00	.5487	89.77	54.23	3.325
70.00	.5648	92.37	55.79	3.363
72.00	.5809	94.97	57.34	3.400
74.00	.5970	97.56	58.89	3.435
76.00	.6130	100.14	60.44	3.469
78.00	.6290	102.73	61.98	3.503
80.00	.6450	105.30	63.53	3.536
82.00	.6609	107.88	65.07	3.567
84.00	.6769	110.44	66.60	3.598
86.00	.6928	113.01	68.14	3.629
88.00	.7087	115.57	69.67	3.658
90.00	.7245	118.13	71.20	3.687
92.00	.7404	120.69	72.73	3.715
94.00	.7562	123.24	74.26	3.742
96.00	.7720	125.79	75.79	3.769
98.00	.7878	128.34	77.31	3.795
100.00	.8036	130.88	78.84	3.821
102.00	.8193	133.42	80.36	3.846
104.00	.8351	135.96	81.88	3.871
106.00	.8508	138.50	83.40	3.895
108.00	.8665	141.04	84.92	3.919
110.00	.8822	143.58	86.43	3.942
112.00	.8979	146.11	87.95	3.965
114.00	.9136	148.64	89.47	3.987
116.00	.9293	151.17	90.98	4.009
118.00	.9449	153.70	92.49	4.031
120.00	.9606	156.22	94.01	4.052
122.00	.9762	158.75	95.52	4.073
124.00	.9919	161.27	97.03	4.094
126.00	1.0075	163.80	98.54	4.114
128.00	1.0231	166.32	100.05	4.134
130.00	1.0387	168.84	101.56	4.153
132.00	1.0543	171.36	103.07	4.172
134.00	1.0699	173.88	104.58	4.191
136.00	1.0855	176.40	106.09	4.210
138.00	1.1011	178.91	107.59	4.228
140.00	1.1167	181.43	109.10	4.246
142.00	1.1323	183.94	110.61	4.264
144.00	1.1478	186.46	112.11	4.282
146.00	1.1634	188.97	113.62	4.299
148.00	1.1789	191.48	115.12	4.316
150.00	1.1945	193.99	116.63	4.333
152.00	1.2100	196.50	118.13	4.350
154.00	1.2256	199.01	119.63	4.366
156.00	1.2411	201.52	121.14	4.382
158.00	1.2566	204.03	122.64	4.398
160.00	1.2721	206.54	124.14	4.414
162.00	1.2877	209.05	125.64	4.430
164.00	1.3032	211.55	127.15	4.445
166.00	1.3187	214.06	128.65	4.460
168.00	1.3342	216.56	130.15	4.475
170.00	1.3497	219.07	131.65	4.490
172.00	1.3652	221.57	133.15	4.505
174.00	1.3807	224.08	134.65	4.519
176.00	1.3962	226.58	136.15	4.533
178.00	1.4117	229.08	137.65	4.548
180.00	1.4272	231.59	139.15	4.562
182.00	1.4426	234.09	140.65	4.575
184.00	1.4581	236.59	142.15	4.589
186.00	1.4736	239.09	143.65	4.603
188.00	1.4891	241.59	145.15	4.616
190.00	1.5045	244.09	146.64	4.629
192.00	1.5200	246.59	148.14	4.642
194.00	1.5355	249.09	149.64	4.655
196.00	1.5509	251.59	151.14	4.668
198.00	1.5664	254.09	152.64	4.681
200.00	1.5818	256.59	154.13	4.693
202.00	1.5973	259.09	155.63	4.706
204.00	1.6128	261.59	157.13	4.718
206.00	1.6282	264.08	158.63	4.730
208.00	1.6436	266.58	160.12	4.742
210.00	1.6591	269.08	161.62	4.754
212.00	1.6745	271.58	163.12	4.766
214.00	1.6900	274.07	164.61	4.778
216.00	1.7054	276.57	166.11	4.789
218.00	1.7209	279.06	167.60	4.801
220.00	1.7363	281.56	169.10	4.812
222.00	1.7517	284.06	170.60	4.824
224.00	1.7672	286.55	172.09	4.835
226.00	1.7826	289.05	173.59	4.846
228.00	1.7980	291.54	175.08	4.857
230.00	1.8134	294.03	176.58	4.868
232.00	1.8289	296.53	178.07	4.879
234.00	1.8443	299.02	179.57	4.889
236.00	1.8597	301.52	181.06	4.900
238.00	1.8751	304.01	182.56	4.910
240.00	1.8905	306.50	184.05	4.921
242.00	1.9060	309.00	185.55	4.931
244.00	1.9214	311.49	187.04	4.941
246.00	1.9368	313.98	188.54	4.952
248.00	1.9522	316.47	190.03	4.962
250.00	1.9676	318.97	191.52	4.972
252.00	1.9830	321.46	193.02	4.982
254.00	1.9984	323.95	194.51	4.991
256.00	2.0138	326.44	196.01	5.001
258.00	2.0293	328.94	197.50	5.011
260.00	2.0447	331.43	198.99	5.021

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	2.0601	333.92	200.49	5.030	402.00	3.1364	508.06	304.91	5.563
264.00	2.0755	336.41	201.98	5.040	404.00	3.1517	510.54	306.40	5.569
266.00	2.0909	338.90	203.47	5.049	406.00	3.1671	513.03	307.89	5.575
268.00	2.1063	341.39	204.97	5.058	408.00	3.1825	515.51	309.38	5.581
270.00	2.1217	343.88	206.46	5.068	410.00	3.1978	518.00	310.87	5.587
272.00	2.1371	346.37	207.95	5.077	412.00	3.2132	520.48	312.36	5.593
274.00	2.1525	348.86	209.45	5.086	414.00	3.2285	522.97	313.85	5.599
276.00	2.1679	351.35	210.94	5.095	416.00	3.2439	525.45	315.34	5.605
278.00	2.1833	353.84	212.43	5.104	418.00	3.2592	527.94	316.83	5.611
280.00	2.1986	356.33	213.93	5.113	420.00	3.2746	530.42	318.32	5.617
282.00	2.2140	358.82	215.42	5.122	422.00	3.2900	532.91	319.81	5.623
284.00	2.2294	361.31	216.91	5.131	424.00	3.3053	535.39	321.31	5.629
286.00	2.2448	363.80	218.41	5.139	426.00	3.3207	537.88	322.80	5.635
288.00	2.2602	366.29	219.90	5.148	428.00	3.3360	540.36	324.29	5.641
290.00	2.2756	368.78	221.39	5.157	430.00	3.3514	542.84	325.78	5.646
292.00	2.2910	371.27	222.88	5.165	432.00	3.3667	545.33	327.27	5.652
294.00	2.3064	373.76	224.38	5.174	434.00	3.3821	547.81	328.76	5.658
296.00	2.3218	376.25	225.87	5.182	436.00	3.3974	550.30	330.25	5.664
298.00	2.3372	378.74	227.36	5.190	438.00	3.4128	552.78	331.74	5.669
300.00	2.3525	381.23	228.85	5.199	440.00	3.4281	555.27	333.23	5.675
302.00	2.3679	383.72	230.35	5.207	442.00	3.4435	557.75	334.72	5.681
304.00	2.3833	386.21	231.84	5.215	444.00	3.4588	560.24	336.21	5.686
306.00	2.3987	388.69	233.33	5.223	446.00	3.4742	562.72	337.70	5.692
308.00	2.4141	391.18	234.82	5.231	448.00	3.4895	565.21	339.19	5.697
310.00	2.4295	393.67	236.31	5.240	450.00	3.5049	567.69	340.68	5.703
312.00	2.4448	396.16	237.81	5.248	452.00	3.5202	570.17	342.17	5.708
314.00	2.4602	398.65	239.30	5.255	454.00	3.5356	572.66	343.66	5.714
316.00	2.4756	401.14	240.79	5.263	456.00	3.5509	575.14	345.15	5.719
318.00	2.4910	403.62	242.28	5.271	458.00	3.5663	577.63	346.64	5.725
320.00	2.5064	406.11	243.77	5.279	460.00	3.5816	580.11	348.13	5.730
322.00	2.5217	408.60	245.27	5.287	462.00	3.5970	582.59	349.62	5.735
324.00	2.5371	411.09	246.76	5.294	464.00	3.6123	585.08	351.11	5.741
326.00	2.5525	413.58	248.25	5.302	466.00	3.6277	587.56	352.60	5.746
328.00	2.5679	416.06	249.74	5.310	468.00	3.6430	590.05	354.09	5.752
330.00	2.5832	418.55	251.23	5.317	470.00	3.6584	592.53	355.58	5.757
332.00	2.5986	421.04	252.73	5.325	472.00	3.6737	595.01	357.07	5.762
334.00	2.6140	423.53	254.22	5.332	474.00	3.6891	597.50	358.56	5.767
336.00	2.6294	426.01	255.71	5.340	476.00	3.7044	599.98	360.05	5.773
338.00	2.6447	428.50	257.20	5.347	478.00	3.7198	602.47	361.54	5.778
340.00	2.6601	430.99	258.69	5.354	480.00	3.7351	604.95	363.03	5.783
342.00	2.6755	433.47	260.18	5.362	482.00	3.7505	607.43	364.52	5.788
344.00	2.6908	435.96	261.67	5.369	484.00	3.7658	609.92	366.01	5.793
346.00	2.7062	438.45	263.17	5.376	486.00	3.7812	612.40	367.50	5.798
348.00	2.7216	440.93	264.66	5.383	488.00	3.7965	614.89	368.99	5.803
350.00	2.7370	443.42	266.15	5.390	490.00	3.8119	617.37	370.48	5.809
352.00	2.7523	445.91	267.64	5.398	492.00	3.8272	619.85	371.96	5.814
354.00	2.7677	448.39	269.13	5.405	494.00	3.8425	622.34	373.45	5.819
356.00	2.7831	450.88	270.62	5.412	496.00	3.8579	624.82	374.94	5.824
358.00	2.7984	453.37	272.11	5.419	498.00	3.8732	627.30	376.43	5.829
360.00	2.8138	455.85	273.60	5.426	500.00	3.8886	629.79	377.92	5.834
362.00	2.8292	458.34	275.10	5.432	502.00	3.9039	632.27	379.41	5.839
364.00	2.8445	460.83	276.59	5.439	504.00	3.9193	634.75	380.90	5.844
366.00	2.8599	463.31	278.08	5.446	506.00	3.9346	637.24	382.39	5.848
368.00	2.8753	465.80	279.57	5.453	508.00	3.9500	639.72	383.88	5.853
370.00	2.8906	468.29	281.06	5.460	510.00	3.9653	642.21	385.37	5.858
372.00	2.9060	470.77	282.55	5.466	512.00	3.9806	644.69	386.86	5.863
374.00	2.9213	473.26	284.04	5.473	514.00	3.9960	647.17	388.35	5.868
376.00	2.9367	475.74	285.53	5.480	516.00	4.0113	649.66	389.84	5.873
378.00	2.9521	478.23	287.02	5.486	518.00	4.0267	652.14	391.33	5.878
380.00	2.9674	480.71	288.51	5.493	520.00	4.0420	654.62	392.82	5.882
382.00	2.9828	483.20	290.00	5.499	522.00	4.0574	657.11	394.31	5.887
384.00	2.9982	485.69	291.50	5.506	524.00	4.0727	659.59	395.80	5.892
386.00	3.0135	488.17	292.99	5.512	526.00	4.0880	662.07	397.29	5.897
388.00	3.0289	490.66	294.48	5.519	528.00	4.1034	664.56	398.78	5.901
390.00	3.0442	493.14	295.97	5.525	530.00	4.1187	667.04	400.27	5.906
392.00	3.0596	495.63	297.46	5.531	532.00	4.1341	669.52	401.76	5.911
394.00	3.0750	498.11	298.95	5.538	534.00	4.1494	672.01	403.25	5.915
396.00	3.0903	500.60	300.44	5.544	536.00	4.1648	674.49	404.74	5.920
398.00	3.1057	503.08	301.93	5.550	538.00	4.1801	676.97	406.23	5.925
400.00	3.1210	505.57	303.42	5.556	540.00	4.1954	679.45	407.71	5.929

400.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.0918	9.08	2.29	.473
8.00	.0944	10.19	3.20	.623
10.00	.0980	11.47	4.22	.771
12.00	.1027	13.00	5.40	.918
14.00	.1087	14.81	6.76	1.057
16.00	.1164	17.09	8.47	1.209
18.00	.1257	19.69	10.39	1.362
20.00	.1366	22.51	12.40	1.511
22.00	.1489	25.47	14.45	1.652
24.00	.1624	28.50	16.48	1.783
26.00	.1766	31.54	18.47	1.905
28.00	.1913	34.57	20.41	2.017
30.00	.2063	37.57	22.30	2.121
32.00	.2213	40.54	24.15	2.217
34.00	.2364	43.47	25.97	2.305
36.00	.2515	46.36	27.74	2.388
38.00	.2665	49.22	29.49	2.465
40.00	.2815	52.05	31.21	2.538
42.00	.2964	54.85	32.91	2.606
44.00	.3112	57.63	34.59	2.671
46.00	.3260	60.39	36.26	2.732
48.00	.3407	63.13	37.91	2.791
50.00	.3553	65.85	39.55	2.846
52.00	.3699	68.55	41.17	2.899
54.00	.3844	71.24	42.79	2.950
56.00	.3988	73.92	44.40	2.999
58.00	.4132	76.59	46.00	3.045
60.00	.4276	79.24	47.59	3.090
62.00	.4419	81.89	49.18	3.134
64.00	.4562	84.53	50.76	3.176
66.00	.4704	87.15	52.33	3.216
68.00	.4846	89.78	53.90	3.255
70.00	.4988	92.39	55.47	3.293
72.00	.5129	95.00	57.03	3.330
74.00	.5270	97.60	58.59	3.365
76.00	.5411	100.20	60.14	3.400
78.00	.5551	102.79	61.69	3.434
80.00	.5692	105.37	63.24	3.467
82.00	.5832	107.95	64.79	3.498
84.00	.5971	110.53	66.33	3.529
86.00	.6111	113.11	67.87	3.560
88.00	.6250	115.68	69.41	3.589
90.00	.6390	118.24	70.94	3.618
92.00	.6529	120.81	72.48	3.646
94.00	.6667	123.37	74.01	3.674
96.00	.6806	125.92	75.54	3.701
98.00	.6945	128.48	77.07	3.727
100.00	.7083	131.03	78.60	3.753
102.00	.7221	133.58	80.12	3.778
104.00	.7359	136.13	81.65	3.803
106.00	.7497	138.67	83.17	3.827
108.00	.7635	141.21	84.69	3.851
110.00	.7773	143.75	86.21	3.874
112.00	.7911	146.29	87.73	3.897
114.00	.8048	148.83	89.25	3.919
116.00	.8186	151.36	90.77	3.941
118.00	.8323	153.90	92.29	3.963
120.00	.8460	156.43	93.80	3.984
122.00	.8598	158.96	95.32	4.005
124.00	.8735	161.49	96.83	4.026
126.00	.8872	164.02	98.35	4.046
128.00	.9009	166.54	99.86	4.066
130.00	.9145	169.07	101.37	4.086
132.00	.9282	171.59	102.88	4.105
134.00	.9419	174.12	104.39	4.124
136.00	.9556	176.64	105.90	4.142
138.00	.9692	179.16	107.41	4.161
140.00	.9829	181.68	108.92	4.179
142.00	.9965	184.20	110.43	4.197
144.00	1.0102	186.71	111.94	4.214
146.00	1.0238	189.23	113.44	4.232
148.00	1.0374	191.75	114.95	4.249
150.00	1.0511	194.26	116.46	4.266
152.00	1.0647	196.77	117.96	4.282
154.00	1.0783	199.29	119.47	4.299
156.00	1.0919	201.80	120.97	4.315
158.00	1.1055	204.31	122.48	4.331
160.00	1.1191	206.82	123.98	4.347
162.00	1.1327	209.33	125.49	4.362
164.00	1.1463	211.84	126.99	4.378
166.00	1.1599	214.35	128.49	4.393
168.00	1.1735	216.86	130.00	4.408
170.00	1.1871	219.37	131.50	4.423
172.00	1.2007	221.88	133.00	4.438
174.00	1.2142	224.38	134.50	4.452
176.00	1.2278	226.89	136.00	4.466
178.00	1.2414	229.40	137.51	4.481
180.00	1.2549	231.90	139.01	4.495
182.00	1.2685	234.41	140.51	4.508
184.00	1.2821	236.91	142.01	4.522
186.00	1.2956	239.41	143.51	4.536
188.00	1.3092	241.92	145.01	4.549
190.00	1.3227	244.42	146.51	4.562
192.00	1.3363	246.92	148.01	4.575
194.00	1.3498	249.42	149.51	4.588
196.00	1.3634	251.93	151.01	4.601
198.00	1.3769	254.43	152.50	4.614
200.00	1.3904	256.93	154.00	4.626
202.00	1.4040	259.43	155.50	4.639
204.00	1.4175	261.93	157.00	4.651
206.00	1.4310	264.43	158.50	4.663
208.00	1.4446	266.93	160.00	4.675
210.00	1.4581	269.43	161.49	4.687
212.00	1.4716	271.93	162.99	4.699
214.00	1.4852	274.42	164.49	4.711
216.00	1.4987	276.92	165.99	4.723
218.00	1.5122	279.42	167.48	4.734
220.00	1.5257	281.92	168.98	4.746
222.00	1.5392	284.41	170.48	4.757
224.00	1.5527	286.91	171.97	4.768
226.00	1.5663	289.41	173.47	4.779
228.00	1.5798	291.90	174.97	4.790
230.00	1.5933	294.40	176.46	4.801
232.00	1.6068	296.90	177.96	4.812
234.00	1.6203	299.39	179.45	4.823
236.00	1.6338	301.89	180.95	4.833
238.00	1.6473	304.38	182.45	4.844
240.00	1.6608	306.88	183.94	4.854
242.00	1.6743	309.37	185.44	4.864
244.00	1.6878	311.87	186.93	4.875
246.00	1.7013	314.36	188.43	4.885
248.00	1.7148	316.86	189.92	4.895
250.00	1.7283	319.35	191.42	4.905
252.00	1.7418	321.84	192.91	4.915
254.00	1.7553	324.34	194.41	4.925
256.00	1.7688	326.83	195.90	4.935
258.00	1.7823	329.32	197.40	4.944
260.00	1.7957	331.82	198.89	4.954

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	1.8092	334.31	200.38	4.963	402.00	2.7515	508.51	304.84	5.496
264.00	1.8227	336.80	201.88	4.973	404.00	2.7649	511.00	306.33	5.502
266.00	1.8362	339.29	203.37	4.982	406.00	2.7784	513.49	307.82	5.509
268.00	1.8497	341.79	204.87	4.992	408.00	2.7918	515.97	309.31	5.515
270.00	1.8632	344.28	206.36	5.001	410.00	2.8052	518.46	310.80	5.521
272.00	1.8767	346.77	207.86	5.010	412.00	2.8187	520.94	312.30	5.527
274.00	1.8901	349.26	209.35	5.019	414.00	2.8321	523.43	313.79	5.533
276.00	1.9036	351.75	210.84	5.028	416.00	2.8456	525.91	315.28	5.539
278.00	1.9171	354.25	212.34	5.037	418.00	2.8590	528.40	316.77	5.545
280.00	1.9306	356.74	213.83	5.046	420.00	2.8724	530.88	318.26	5.551
282.00	1.9441	359.23	215.32	5.055	422.00	2.8859	533.37	319.75	5.557
284.00	1.9575	361.72	216.82	5.064	424.00	2.8993	535.86	321.24	5.562
286.00	1.9710	364.21	218.31	5.073	426.00	2.9128	538.34	322.73	5.568
288.00	1.9845	366.70	219.80	5.081	428.00	2.9262	540.83	324.22	5.574
290.00	1.9980	369.19	221.30	5.090	430.00	2.9396	543.31	325.71	5.580
292.00	2.0114	371.68	222.79	5.099	432.00	2.9531	545.80	327.20	5.586
294.00	2.0249	374.17	224.28	5.107	434.00	2.9665	548.28	328.69	5.591
296.00	2.0384	376.66	225.78	5.115	436.00	2.9799	550.77	330.18	5.597
298.00	2.0518	379.15	227.27	5.124	438.00	2.9934	553.25	331.67	5.603
300.00	2.0653	381.64	228.76	5.132	440.00	3.0068	555.74	333.16	5.608
302.00	2.0788	384.13	230.26	5.140	442.00	3.0203	558.22	334.65	5.614
304.00	2.0922	386.62	231.75	5.149	444.00	3.0337	560.71	336.14	5.620
306.00	2.1057	389.11	233.24	5.157	446.00	3.0471	563.19	337.63	5.625
308.00	2.1192	391.60	234.73	5.165	448.00	3.0606	565.68	339.12	5.631
310.00	2.1326	394.09	236.23	5.173	450.00	3.0740	568.16	340.61	5.636
312.00	2.1461	396.58	237.72	5.181	452.00	3.0874	570.65	342.11	5.642
314.00	2.1596	399.07	239.21	5.189	454.00	3.1009	573.13	343.60	5.647
316.00	2.1730	401.56	240.70	5.197	456.00	3.1143	575.62	345.09	5.653
318.00	2.1865	404.05	242.20	5.205	458.00	3.1277	578.10	346.58	5.658
320.00	2.2000	406.54	243.69	5.213	460.00	3.1412	580.59	348.07	5.664
322.00	2.2134	409.03	245.18	5.220	462.00	3.1546	583.07	349.56	5.669
324.00	2.2269	411.51	246.67	5.228	464.00	3.1680	585.55	351.05	5.674
326.00	2.2403	414.00	248.17	5.236	466.00	3.1815	588.04	352.54	5.680
328.00	2.2538	416.49	249.66	5.243	468.00	3.1949	590.52	354.03	5.685
330.00	2.2673	418.98	251.15	5.251	470.00	3.2083	593.01	355.52	5.690
332.00	2.2807	421.47	252.64	5.258	472.00	3.2218	595.49	357.01	5.696
334.00	2.2942	423.96	254.13	5.266	474.00	3.2352	597.98	358.50	5.701
336.00	2.3076	426.45	255.63	5.273	476.00	3.2486	600.46	359.99	5.706
338.00	2.3211	428.93	257.12	5.281	478.00	3.2621	602.95	361.48	5.711
340.00	2.3346	431.42	258.61	5.288	480.00	3.2755	605.43	362.97	5.717
342.00	2.3480	433.91	260.10	5.295	482.00	3.2889	607.91	364.46	5.722
344.00	2.3615	436.40	261.59	5.302	484.00	3.3024	610.40	365.95	5.727
346.00	2.3749	438.88	263.09	5.310	486.00	3.3158	612.88	367.44	5.732
348.00	2.3884	441.37	264.58	5.317	488.00	3.3292	615.37	368.93	5.737
350.00	2.4018	443.86	266.07	5.324	490.00	3.3427	617.85	370.42	5.742
352.00	2.4153	446.35	267.56	5.331	492.00	3.3561	620.34	371.91	5.747
354.00	2.4287	448.84	269.05	5.338	494.00	3.3695	622.82	373.40	5.752
356.00	2.4422	451.32	270.54	5.345	496.00	3.3829	625.30	374.89	5.757
358.00	2.4556	453.81	272.04	5.352	498.00	3.3964	627.79	376.38	5.762
360.00	2.4691	456.30	273.53	5.359	500.00	3.4098	630.27	377.87	5.767
362.00	2.4825	458.78	275.02	5.366	502.00	3.4232	632.76	379.36	5.772
364.00	2.4960	461.27	276.51	5.373	504.00	3.4367	635.24	380.85	5.777
366.00	2.5094	463.76	278.00	5.380	506.00	3.4501	637.72	382.34	5.782
368.00	2.5229	466.25	279.49	5.386	508.00	3.4635	640.21	383.83	5.787
370.00	2.5363	468.73	280.98	5.393	510.00	3.4770	642.69	385.32	5.792
372.00	2.5498	471.22	282.48	5.400	512.00	3.4904	645.18	386.81	5.797
374.00	2.5632	473.71	283.97	5.406	514.00	3.5038	647.66	388.30	5.802
376.00	2.5767	476.19	285.46	5.413	516.00	3.5172	650.14	389.79	5.806
378.00	2.5901	478.68	286.95	5.420	518.00	3.5307	652.63	391.28	5.811
380.00	2.6036	481.17	288.44	5.426	520.00	3.5441	655.11	392.77	5.816
382.00	2.6170	483.65	289.93	5.433	522.00	3.5575	657.59	394.26	5.821
384.00	2.6305	486.14	291.42	5.439	524.00	3.5710	660.08	395.74	5.826
386.00	2.6439	488.62	292.91	5.446	526.00	3.5844	662.56	397.23	5.830
388.00	2.6574	491.11	294.40	5.452	528.00	3.5978	665.05	398.72	5.835
390.00	2.6708	493.60	295.90	5.459	530.00	3.6112	667.53	400.21	5.840
392.00	2.6842	496.08	297.39	5.465	532.00	3.6247	670.01	401.70	5.844
394.00	2.6977	498.57	298.88	5.471	534.00	3.6381	672.50	403.19	5.849
396.00	2.7111	501.06	300.37	5.478	536.00	3.6515	674.98	404.68	5.854
398.00	2.7246	503.54	301.86	5.484	538.00	3.6649	677.46	406.17	5.858
400.00	2.7380	506.03	303.35	5.490	540.00	3.6784	679.95	407.66	5.863

450.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.0905	9.87	2.33	.463
8.00	.0928	10.95	3.22	.610
10.00	.0960	12.19	4.19	.753
12.00	.1002	13.66	5.32	.895
14.00	.1054	15.39	6.61	1.028
16.00	.1120	17.57	8.25	1.173
18.00	.1198	20.06	10.08	1.319
20.00	.1288	22.75	12.03	1.461
22.00	.1391	25.60	14.01	1.597
24.00	.1504	28.53	16.00	1.724
26.00	.1625	31.50	17.97	1.843
28.00	.1750	34.48	19.90	1.954
30.00	.1880	37.45	21.80	2.056
32.00	.2011	40.40	23.66	2.151
34.00	.2143	43.32	25.48	2.240
36.00	.2276	46.22	27.27	2.323
38.00	.2408	49.08	29.03	2.400
40.00	.2541	51.92	30.76	2.473
42.00	.2673	54.73	32.48	2.542
44.00	.2805	57.53	34.17	2.607
46.00	.2936	60.30	35.85	2.668
48.00	.3066	63.05	37.51	2.727
50.00	.3197	65.78	39.16	2.782
52.00	.3326	68.50	40.80	2.836
54.00	.3456	71.20	42.42	2.887
56.00	.3584	73.89	44.04	2.936
58.00	.3713	76.57	45.65	2.983
60.00	.3841	79.23	47.25	3.028
62.00	.3968	81.89	48.84	3.071
64.00	.4096	84.54	50.43	3.113
66.00	.4223	87.18	52.02	3.154
68.00	.4349	89.81	53.59	3.193
70.00	.4475	92.43	55.16	3.231
72.00	.4601	95.05	56.73	3.268
74.00	.4727	97.66	58.30	3.304
76.00	.4853	100.27	59.86	3.339
78.00	.4978	102.87	61.41	3.372
80.00	.5103	105.46	62.97	3.405
82.00	.5228	108.05	64.52	3.437
84.00	.5352	110.64	66.07	3.468
86.00	.5477	113.22	67.61	3.499
88.00	.5601	115.80	69.15	3.528
90.00	.5725	118.37	70.69	3.557
92.00	.5849	120.94	72.23	3.586
94.00	.5973	123.51	73.77	3.613
96.00	.6096	126.07	75.30	3.640
98.00	.6220	128.63	76.84	3.667
100.00	.6343	131.19	78.37	3.692
102.00	.6466	133.74	79.90	3.718
104.00	.6589	136.30	81.43	3.743
106.00	.6712	138.85	82.95	3.767
108.00	.6835	141.40	84.48	3.791
110.00	.6958	143.94	86.00	3.814
112.00	.7080	146.49	87.52	3.837
114.00	.7203	149.03	89.05	3.859
116.00	.7325	151.57	90.57	3.882
118.00	.7448	154.11	92.09	3.903
120.00	.7570	156.64	93.61	3.925
122.00	.7692	159.18	95.12	3.945
124.00	.7814	161.71	96.64	3.966
126.00	.7936	164.25	98.16	3.986
128.00	.8058	166.78	99.67	4.006
130.00	.8180	169.31	101.19	4.026
132.00	.8302	171.83	102.70	4.045
134.00	.8424	174.36	104.21	4.064
136.00	.8545	176.89	105.72	4.083
138.00	.8667	179.41	107.24	4.101
140.00	.8788	181.93	108.75	4.119
142.00	.8910	184.46	110.26	4.137
144.00	.9031	186.98	111.77	4.155
146.00	.9153	189.50	113.28	4.172
148.00	.9274	192.02	114.78	4.189
150.00	.9396	194.53	116.29	4.206
152.00	.9517	197.05	117.80	4.223
154.00	.9638	199.57	119.31	4.240
156.00	.9759	202.08	120.81	4.256
158.00	.9880	204.60	122.32	4.272
160.00	1.0001	207.11	123.83	4.288
162.00	1.0122	209.63	125.33	4.303
164.00	1.0243	212.14	126.84	4.319
166.00	1.0364	214.65	128.34	4.334
168.00	1.0485	217.16	129.85	4.349
170.00	1.0606	219.67	131.35	4.364
172.00	1.0727	222.18	132.85	4.378
174.00	1.0848	224.69	134.36	4.393
176.00	1.0969	227.20	135.86	4.407
178.00	1.1089	229.71	137.36	4.421
180.00	1.1210	232.22	138.87	4.435
182.00	1.1331	234.73	140.37	4.449
184.00	1.1451	237.23	141.87	4.463
186.00	1.1572	239.74	143.37	4.477
188.00	1.1693	242.24	144.87	4.490
190.00	1.1813	244.75	146.37	4.503
192.00	1.1934	247.25	147.87	4.516
194.00	1.2054	249.76	149.37	4.529
196.00	1.2175	252.26	150.87	4.542
198.00	1.2295	254.77	152.37	4.555
200.00	1.2416	257.27	153.87	4.567
202.00	1.2536	259.77	155.37	4.580
204.00	1.2657	262.27	156.87	4.592
206.00	1.2777	264.78	158.37	4.604
208.00	1.2898	267.28	159.87	4.616
210.00	1.3018	269.78	161.37	4.628
212.00	1.3138	272.28	162.87	4.640
214.00	1.3259	274.78	164.37	4.652
216.00	1.3379	277.28	165.87	4.664
218.00	1.3499	279.78	167.36	4.675
220.00	1.3619	282.28	168.86	4.687
222.00	1.3740	284.78	170.36	4.698
224.00	1.3860	287.28	171.86	4.709
226.00	1.3980	289.77	173.35	4.720
228.00	1.4100	292.27	174.85	4.731
230.00	1.4221	294.77	176.35	4.742
232.00	1.4341	297.27	177.84	4.753
234.00	1.4461	299.77	179.34	4.764
236.00	1.4581	302.26	180.84	4.774
238.00	1.4701	304.76	182.33	4.785
240.00	1.4821	307.26	183.83	4.795
242.00	1.4941	309.75	185.33	4.806
244.00	1.5061	312.25	186.82	4.816
246.00	1.5181	314.74	188.32	4.826
248.00	1.5301	317.24	189.82	4.836
250.00	1.5422	319.74	191.31	4.846
252.00	1.5542	322.23	192.81	4.856
254.00	1.5662	324.73	194.30	4.866
256.00	1.5782	327.22	195.80	4.876
258.00	1.5902	329.71	197.29	4.885
260.00	1.6022	332.21	198.79	4.895

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	1.6142	334.70	200.28	4.905	402.00	2.4521	508.97	304.77	5.438
264.00	1.6261	337.20	201.78	4.914	404.00	2.4640	511.46	306.26	5.444
266.00	1.6381	339.69	203.27	4.924	406.00	2.4760	513.94	307.75	5.450
268.00	1.6501	342.18	204.77	4.933	408.00	2.4879	516.43	309.25	5.456
270.00	1.6621	344.68	206.26	4.942	410.00	2.4999	518.92	310.74	5.462
272.00	1.6741	347.17	207.76	4.951	412.00	2.5118	521.40	312.23	5.468
274.00	1.6861	349.66	209.25	4.961	414.00	2.5238	523.89	313.72	5.474
276.00	1.6981	352.16	210.75	4.970	416.00	2.5357	526.38	315.21	5.480
278.00	1.7101	354.65	212.24	4.979	418.00	2.5477	528.86	316.70	5.486
280.00	1.7221	357.14	213.73	4.987	420.00	2.5596	531.35	318.19	5.492
282.00	1.7341	359.63	215.23	4.996	422.00	2.5716	533.83	319.68	5.498
284.00	1.7461	362.13	216.72	5.005	424.00	2.5835	536.32	321.17	5.504
286.00	1.7580	364.62	218.22	5.014	426.00	2.5955	538.81	322.66	5.510
288.00	1.7700	367.11	219.71	5.023	428.00	2.6074	541.29	324.16	5.516
290.00	1.7820	369.60	221.20	5.031	430.00	2.6194	543.78	325.65	5.521
292.00	1.7940	372.09	222.70	5.040	432.00	2.6313	546.26	327.14	5.527
294.00	1.8060	374.59	224.19	5.048	434.00	2.6433	548.75	328.63	5.533
296.00	1.8179	377.08	225.69	5.057	436.00	2.6552	551.24	330.12	5.539
298.00	1.8299	379.57	227.18	5.065	438.00	2.6672	553.72	331.61	5.544
300.00	1.8419	382.06	228.67	5.073	440.00	2.6791	556.21	333.10	5.550
302.00	1.8539	384.55	230.17	5.082	442.00	2.6911	558.69	334.59	5.556
304.00	1.8659	387.04	231.66	5.090	444.00	2.7030	561.18	336.08	5.561
306.00	1.8778	389.53	233.15	5.098	446.00	2.7150	563.66	337.57	5.567
308.00	1.8898	392.02	234.65	5.106	448.00	2.7269	566.15	339.06	5.572
310.00	1.9018	394.51	236.14	5.114	450.00	2.7389	568.63	340.55	5.578
312.00	1.9138	397.00	237.63	5.122	452.00	2.7508	571.12	342.04	5.583
314.00	1.9257	399.49	239.13	5.130	454.00	2.7627	573.60	343.53	5.589
316.00	1.9377	401.98	240.62	5.138	456.00	2.7747	576.09	345.02	5.594
318.00	1.9497	404.47	242.11	5.146	458.00	2.7866	578.58	346.51	5.600
320.00	1.9617	406.96	243.60	5.154	460.00	2.7986	581.06	348.01	5.605
322.00	1.9736	409.45	245.10	5.162	462.00	2.8105	583.55	349.50	5.611
324.00	1.9856	411.94	246.59	5.169	464.00	2.8225	586.03	350.99	5.616
326.00	1.9976	414.43	248.08	5.177	466.00	2.8344	588.52	352.48	5.621
328.00	2.0095	416.92	249.58	5.185	468.00	2.8464	591.00	353.97	5.627
330.00	2.0215	419.41	251.07	5.192	470.00	2.8583	593.49	355.46	5.632
332.00	2.0335	421.90	252.56	5.200	472.00	2.8702	595.97	356.95	5.637
334.00	2.0455	424.39	254.05	5.207	474.00	2.8822	598.46	358.44	5.642
336.00	2.0574	426.88	255.55	5.215	476.00	2.8941	600.94	359.93	5.648
338.00	2.0694	429.37	257.04	5.222	478.00	2.9061	603.43	361.42	5.653
340.00	2.0814	431.86	258.53	5.229	480.00	2.9180	605.91	362.91	5.658
342.00	2.0933	434.35	260.02	5.237	482.00	2.9300	608.39	364.40	5.663
344.00	2.1053	436.83	261.51	5.244	484.00	2.9419	610.88	365.89	5.668
346.00	2.1172	439.32	263.01	5.251	486.00	2.9538	613.36	367.38	5.673
348.00	2.1292	441.81	264.50	5.258	488.00	2.9658	615.85	368.87	5.679
350.00	2.1412	444.30	265.99	5.265	490.00	2.9777	618.33	370.36	5.684
352.00	2.1531	446.79	267.48	5.272	492.00	2.9897	620.82	371.85	5.689
354.00	2.1651	449.28	268.98	5.279	494.00	3.0016	623.30	373.34	5.694
356.00	2.1771	451.76	270.47	5.286	496.00	3.0135	625.79	374.83	5.699
358.00	2.1890	454.25	271.96	5.293	498.00	3.0255	628.27	376.32	5.704
360.00	2.2010	456.74	273.45	5.300	500.00	3.0374	630.76	377.81	5.709
362.00	2.2129	459.23	274.94	5.307	502.00	3.0494	633.24	379.30	5.714
364.00	2.2249	461.72	276.43	5.314	504.00	3.0613	635.72	380.79	5.719
366.00	2.2369	464.20	277.93	5.321	506.00	3.0733	638.21	382.28	5.724
368.00	2.2488	466.69	279.42	5.328	508.00	3.0852	640.69	383.77	5.728
370.00	2.2608	469.18	280.91	5.334	510.00	3.0971	643.18	385.26	5.733
372.00	2.2727	471.67	282.40	5.341	512.00	3.1091	645.66	386.75	5.738
374.00	2.2847	474.15	283.89	5.348	514.00	3.1210	648.15	388.24	5.743
376.00	2.2967	476.64	285.38	5.354	516.00	3.1329	650.63	389.73	5.748
378.00	2.3086	479.13	286.88	5.361	518.00	3.1449	653.11	391.22	5.753
380.00	2.3206	481.62	288.37	5.368	520.00	3.1568	655.60	392.71	5.757
382.00	2.3325	484.10	289.86	5.374	522.00	3.1688	658.08	394.20	5.762
384.00	2.3445	486.59	291.35	5.381	524.00	3.1807	660.57	395.69	5.767
386.00	2.3564	489.08	292.84	5.387	526.00	3.1926	663.05	397.18	5.772
388.00	2.3684	491.56	294.33	5.394	528.00	3.2046	665.54	398.67	5.776
390.00	2.3804	494.05	295.83	5.400	530.00	3.2165	668.02	400.16	5.781
392.00	2.3923	496.54	297.32	5.406	532.00	3.2285	670.50	401.65	5.786
394.00	2.4043	499.03	298.81	5.413	534.00	3.2404	672.99	403.14	5.790
396.00	2.4162	501.51	300.30	5.419	536.00	3.2523	675.47	404.63	5.795
398.00	2.4282	504.00	301.79	5.425	538.00	3.2643	677.96	406.12	5.800
400.00	2.4401	506.49	303.28	5.431	540.00	3.2762	680.44	407.61	5.804

500.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.0892	10.64	2.39	.454
8.00	.0914	11.71	3.25	.597
10.00	.0943	12.91	4.18	.737
12.00	.0980	14.33	5.26	.874
14.00	.1027	15.99	6.49	1.002
16.00	.1084	18.10	8.07	1.142
18.00	.1151	20.49	9.84	1.283
20.00	.1229	23.09	11.72	1.420
22.00	.1316	25.83	13.65	1.551
24.00	.1412	28.67	15.60	1.674
26.00	.1516	31.57	17.54	1.790
28.00	.1625	34.49	19.46	1.899
30.00	.1738	37.43	21.35	2.000
32.00	.1853	40.35	23.21	2.094
34.00	.1970	43.26	25.03	2.182
36.00	.2088	46.15	26.83	2.265
38.00	.2206	49.01	28.60	2.342
40.00	.2324	51.85	30.34	2.415
42.00	.2443	54.67	32.07	2.484
44.00	.2561	57.47	33.77	2.549
46.00	.2679	60.25	35.46	2.611
48.00	.2796	63.01	37.13	2.669
50.00	.2914	65.75	38.79	2.725
52.00	.3031	68.48	40.44	2.779
54.00	.3147	71.19	42.07	2.830
56.00	.3263	73.89	43.70	2.879
58.00	.3379	76.58	45.31	2.926
60.00	.3494	79.26	46.92	2.972
62.00	.3609	81.92	48.53	3.015
64.00	.3724	84.58	50.12	3.058
66.00	.3839	87.23	51.71	3.098
68.00	.3953	89.87	53.29	3.138
70.00	.4067	92.50	54.87	3.176
72.00	.4180	95.13	56.45	3.213
74.00	.4294	97.75	58.02	3.249
76.00	.4407	100.36	59.58	3.284
78.00	.4520	102.97	61.14	3.318
80.00	.4633	105.57	62.70	3.350
82.00	.4745	108.17	64.26	3.383
84.00	.4858	110.76	65.81	3.414
86.00	.4970	113.35	67.36	3.444
88.00	.5082	115.93	68.91	3.474
90.00	.5194	118.51	70.45	3.503
92.00	.5306	121.09	71.99	3.531
94.00	.5417	123.66	73.53	3.559
96.00	.5529	126.23	75.07	3.586
98.00	.5640	128.80	76.61	3.612
100.00	.5752	131.36	78.14	3.638
102.00	.5863	133.92	79.68	3.664
104.00	.5974	136.48	81.21	3.689
106.00	.6085	139.04	82.74	3.713
108.00	.6195	141.59	84.27	3.737
110.00	.6306	144.14	85.79	3.760
112.00	.6417	146.69	87.32	3.783
114.00	.6527	149.24	88.84	3.806
116.00	.6637	151.78	90.37	3.828
118.00	.6748	154.33	91.89	3.849
120.00	.6858	156.87	93.41	3.871
122.00	.6968	159.41	94.93	3.892
124.00	.7078	161.95	96.45	3.912
126.00	.7188	164.48	97.97	3.933
128.00	.7298	167.02	99.49	3.953
130.00	.7408	169.55	101.00	3.972
132.00	.7518	172.08	102.52	3.992
134.00	.7628	174.61	104.03	4.011
136.00	.7737	177.14	105.55	4.029
138.00	.7847	179.67	107.06	4.048
140.00	.7957	182.20	108.58	4.066
142.00	.8066	184.72	110.09	4.084
144.00	.8176	187.25	111.60	4.102
146.00	.8285	189.77	113.11	4.119
148.00	.8394	192.29	114.62	4.136
150.00	.8504	194.82	116.13	4.153
152.00	.8613	197.34	117.64	4.170
154.00	.8722	199.86	119.15	4.186
156.00	.8831	202.37	120.66	4.203
158.00	.8941	204.89	122.17	4.219
160.00	.9050	207.41	123.67	4.234
162.00	.9159	209.93	125.18	4.250
164.00	.9268	212.44	126.69	4.265
166.00	.9377	214.96	128.19	4.281
168.00	.9486	217.47	129.70	4.296
170.00	.9595	219.98	131.21	4.311
172.00	.9704	222.50	132.71	4.325
174.00	.9812	225.01	134.21	4.340
176.00	.9921	227.52	135.72	4.354
178.00	1.0030	230.03	137.22	4.368
180.00	1.0139	232.54	138.73	4.382
182.00	1.0248	235.05	140.23	4.396
184.00	1.0356	237.56	141.73	4.410
186.00	1.0465	240.07	143.24	4.424
188.00	1.0574	242.58	144.74	4.437
190.00	1.0682	245.08	146.24	4.450
192.00	1.0791	247.59	147.74	4.463
194.00	1.0900	250.10	149.24	4.476
196.00	1.1008	252.60	150.75	4.489
198.00	1.1117	255.11	152.25	4.502
200.00	1.1225	257.61	153.75	4.515
202.00	1.1334	260.12	155.25	4.527
204.00	1.1442	262.62	156.75	4.539
206.00	1.1551	265.13	158.25	4.552
208.00	1.1659	267.63	159.75	4.564
210.00	1.1768	270.13	161.25	4.576
212.00	1.1876	272.63	162.75	4.587
214.00	1.1984	275.14	164.25	4.599
216.00	1.2093	277.64	165.75	4.611
218.00	1.2201	280.14	167.25	4.622
220.00	1.2309	282.64	168.74	4.634
222.00	1.2418	285.14	170.24	4.645
224.00	1.2526	287.64	171.74	4.656
226.00	1.2634	290.14	173.24	4.667
228.00	1.2743	292.64	174.74	4.678
230.00	1.2851	295.14	176.24	4.689
232.00	1.2959	297.64	177.73	4.700
234.00	1.3067	300.14	179.23	4.711
236.00	1.3175	302.64	180.73	4.722
238.00	1.3284	305.14	182.23	4.732
240.00	1.3392	307.64	183.72	4.743
242.00	1.3500	310.13	185.22	4.753
244.00	1.3608	312.63	186.72	4.763
246.00	1.3716	315.13	188.21	4.773
248.00	1.3824	317.63	189.71	4.783
250.00	1.3932	320.12	191.21	4.794
252.00	1.4041	322.62	192.70	4.803
254.00	1.4149	325.12	194.20	4.813
256.00	1.4257	327.61	195.70	4.823
258.00	1.4365	330.11	197.19	4.833
260.00	1.4473	332.60	198.69	4.842

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	1.4581	335.10	200.18	4.852	402.00	2.2126	509.43	304.70	5.385
264.00	1.4689	337.59	201.68	4.862	404.00	2.2233	511.92	306.20	5.391
266.00	1.4797	340.09	203.17	4.871	406.00	2.2341	514.41	307.69	5.397
268.00	1.4905	342.58	204.67	4.880	408.00	2.2448	516.89	309.18	5.404
270.00	1.5013	345.08	206.16	4.890	410.00	2.2556	519.38	310.67	5.410
272.00	1.5121	347.57	207.66	4.899	412.00	2.2664	521.87	312.16	5.416
274.00	1.5229	350.07	209.16	4.908	414.00	2.2771	524.35	313.65	5.422
276.00	1.5337	352.56	210.65	4.917	416.00	2.2879	526.84	315.14	5.428
278.00	1.5445	355.06	212.15	4.926	418.00	2.2986	529.33	316.64	5.434
280.00	1.5553	357.55	213.64	4.935	420.00	2.3094	531.81	318.13	5.440
282.00	1.5661	360.04	215.14	4.944	422.00	2.3202	534.30	319.62	5.446
284.00	1.5769	362.54	216.63	4.953	424.00	2.3309	536.79	321.11	5.451
286.00	1.5877	365.03	218.12	4.961	426.00	2.3417	539.27	322.60	5.457
288.00	1.5985	367.52	219.62	4.970	428.00	2.3524	541.76	324.09	5.463
290.00	1.6092	370.01	221.11	4.979	430.00	2.3632	544.25	325.58	5.469
292.00	1.6200	372.51	222.61	4.987	432.00	2.3739	546.73	327.07	5.475
294.00	1.6308	375.00	224.10	4.996	434.00	2.3847	549.22	328.56	5.480
296.00	1.6416	377.49	225.60	5.004	436.00	2.3955	551.70	330.06	5.486
298.00	1.6524	379.99	227.09	5.013	438.00	2.4062	554.19	331.55	5.492
300.00	1.6632	382.48	228.58	5.021	440.00	2.4170	556.68	333.04	5.497
302.00	1.6740	384.97	230.08	5.029	442.00	2.4277	559.16	334.53	5.503
304.00	1.6848	387.46	231.57	5.037	444.00	2.4385	561.65	336.02	5.509
306.00	1.6955	389.95	233.07	5.046	446.00	2.4492	564.13	337.51	5.514
308.00	1.7063	392.44	234.56	5.054	448.00	2.4600	566.62	339.00	5.520
310.00	1.7171	394.94	236.05	5.062	450.00	2.4707	569.11	340.49	5.525
312.00	1.7279	397.43	237.55	5.070	452.00	2.4815	571.59	341.98	5.531
314.00	1.7387	399.92	239.04	5.078	454.00	2.4923	574.08	343.47	5.536
316.00	1.7495	402.41	240.53	5.086	456.00	2.5030	576.56	344.96	5.542
318.00	1.7602	404.90	242.03	5.093	458.00	2.5138	579.05	346.45	5.547
320.00	1.7710	407.39	243.52	5.101	460.00	2.5245	581.54	347.95	5.553
322.00	1.7818	409.88	245.01	5.109	462.00	2.5353	584.02	349.44	5.558
324.00	1.7926	412.37	246.51	5.117	464.00	2.5460	586.51	350.93	5.563
326.00	1.8034	414.86	248.00	5.124	466.00	2.5568	588.99	352.42	5.569
328.00	1.8141	417.35	249.49	5.132	468.00	2.5675	591.48	353.91	5.574
330.00	1.8249	419.84	250.99	5.140	470.00	2.5783	593.96	355.40	5.579
332.00	1.8357	422.33	252.48	5.147	472.00	2.5890	596.45	356.89	5.585
334.00	1.8465	424.82	253.97	5.155	474.00	2.5998	598.93	358.38	5.590
336.00	1.8572	427.31	255.47	5.162	476.00	2.6105	601.42	359.87	5.595
338.00	1.8680	429.80	256.96	5.169	478.00	2.6213	603.90	361.36	5.600
340.00	1.8788	432.29	258.45	5.177	480.00	2.6320	606.39	362.85	5.606
342.00	1.8896	434.78	259.94	5.184	482.00	2.6428	608.87	364.34	5.611
344.00	1.9003	437.27	261.44	5.191	484.00	2.6535	611.36	365.83	5.616
346.00	1.9111	439.76	262.93	5.199	486.00	2.6643	613.85	367.32	5.621
348.00	1.9219	442.25	264.42	5.206	488.00	2.6750	616.33	368.81	5.626
350.00	1.9327	444.74	265.91	5.213	490.00	2.6858	618.82	370.30	5.631
352.00	1.9434	447.23	267.41	5.220	492.00	2.6965	621.30	371.79	5.636
354.00	1.9542	449.72	268.90	5.227	494.00	2.7073	623.79	373.28	5.641
356.00	1.9650	452.21	270.39	5.234	496.00	2.7180	626.27	374.77	5.646
358.00	1.9757	454.70	271.88	5.241	498.00	2.7288	628.76	376.26	5.651
360.00	1.9865	457.18	273.38	5.248	500.00	2.7395	631.24	377.76	5.656
362.00	1.9973	459.67	274.87	5.255	502.00	2.7503	633.73	379.25	5.661
364.00	2.0080	462.16	276.36	5.262	504.00	2.7610	636.21	380.74	5.666
366.00	2.0188	464.65	277.85	5.268	506.00	2.7718	638.69	382.23	5.671
368.00	2.0296	467.14	279.34	5.275	508.00	2.7825	641.18	383.72	5.676
370.00	2.0403	469.63	280.84	5.282	510.00	2.7933	643.66	385.21	5.681
372.00	2.0511	472.12	282.33	5.289	512.00	2.8040	646.15	386.70	5.686
374.00	2.0619	474.60	283.82	5.295	514.00	2.8148	648.63	388.19	5.691
376.00	2.0726	477.09	285.31	5.302	516.00	2.8255	651.12	389.68	5.695
378.00	2.0834	479.58	286.80	5.309	518.00	2.8363	653.60	391.17	5.700
380.00	2.0942	482.07	288.30	5.315	520.00	2.8470	656.09	392.66	5.705
382.00	2.1049	484.56	289.79	5.322	522.00	2.8577	658.57	394.15	5.710
384.00	2.1157	487.04	291.28	5.328	524.00	2.8685	661.06	395.64	5.715
386.00	2.1265	489.53	292.77	5.335	526.00	2.8792	663.54	397.13	5.719
388.00	2.1372	492.02	294.26	5.341	528.00	2.8900	666.03	398.62	5.724
390.00	2.1480	494.51	295.76	5.347	530.00	2.9007	668.51	400.11	5.729
392.00	2.1588	496.99	297.25	5.354	532.00	2.9115	670.99	401.60	5.733
394.00	2.1695	499.48	298.74	5.360	534.00	2.9222	673.48	403.09	5.738
396.00	2.1803	501.97	300.23	5.366	536.00	2.9330	675.96	404.58	5.743
398.00	2.1910	504.46	301.72	5.373	538.00	2.9437	678.45	406.07	5.747
400.00	2.2018	506.94	303.21	5.379	540.00	2.9545	680.93	407.56	5.752

550.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.0881	11.41	2.44	.445
8.00	.0902	12.46	3.28	.586
10.00	.0928	13.63	4.18	.722
12.00	.0962	15.01	5.22	.856
14.00	.1004	16.62	6.40	.980
16.00	.1054	18.66	7.93	1.116
18.00	.1113	20.97	9.65	1.252
20.00	.1180	23.49	11.47	1.384
22.00	.1256	26.15	13.36	1.511
24.00	.1340	28.91	15.27	1.631
26.00	.1430	31.73	17.18	1.744
28.00	.1525	34.60	19.08	1.850
30.00	.1625	37.49	20.95	1.950
32.00	.1727	40.38	22.80	2.043
34.00	.1831	43.27	24.63	2.131
36.00	.1937	46.14	26.43	2.213
38.00	.2043	49.00	28.20	2.290
40.00	.2150	51.84	29.96	2.363
42.00	.2257	54.66	31.69	2.432
44.00	.2364	57.46	33.40	2.497
46.00	.2471	60.24	35.09	2.559
48.00	.2577	63.01	36.77	2.618
50.00	.2684	65.76	38.44	2.674
52.00	.2790	68.49	40.09	2.727
54.00	.2896	71.21	41.74	2.779
56.00	.3001	73.92	43.37	2.828
58.00	.3107	76.62	45.00	2.875
60.00	.3212	79.30	46.61	2.921
62.00	.3317	81.98	48.22	2.965
64.00	.3421	84.64	49.82	3.007
66.00	.3525	87.30	51.42	3.048
68.00	.3629	89.95	53.01	3.087
70.00	.3733	92.59	54.59	3.126
72.00	.3837	95.22	56.17	3.163
74.00	.3940	97.85	57.75	3.199
76.00	.4043	100.47	59.32	3.234
78.00	.4146	103.08	60.88	3.268
80.00	.4249	105.69	62.45	3.301
82.00	.4352	108.30	64.01	3.333
84.00	.4454	110.90	65.56	3.364
86.00	.4556	113.49	67.12	3.395
88.00	.4658	116.08	68.67	3.424
90.00	.4760	118.67	70.22	3.454
92.00	.4862	121.25	71.76	3.482
94.00	.4964	123.83	73.31	3.510
96.00	.5065	126.41	74.85	3.537
98.00	.5167	128.98	76.39	3.563
100.00	.5268	131.55	77.93	3.589
102.00	.5369	134.11	79.46	3.615
104.00	.5470	136.68	81.00	3.640
106.00	.5571	139.24	82.53	3.664
108.00	.5672	141.80	84.06	3.688
110.00	.5773	144.35	85.59	3.711
112.00	.5874	146.91	87.12	3.734
114.00	.5974	149.46	88.65	3.757
116.00	.6075	152.01	90.17	3.779
118.00	.6175	154.55	91.70	3.801
120.00	.6276	157.10	93.22	3.822
122.00	.6376	159.64	94.75	3.843
124.00	.6476	162.19	96.27	3.864
126.00	.6577	164.73	97.79	3.884
128.00	.6677	167.26	99.31	3.904
130.00	.6777	169.80	100.83	3.924
132.00	.6877	172.34	102.34	3.943
134.00	.6977	174.87	103.86	3.962
136.00	.7077	177.40	105.38	3.981
138.00	.7176	179.94	106.89	4.000
140.00	.7276	182.47	108.41	4.018
142.00	.7376	185.00	109.92	4.036
144.00	.7475	187.52	111.44	4.053
146.00	.7575	190.05	112.95	4.071
148.00	.7675	192.58	114.46	4.088
150.00	.7774	195.10	115.97	4.105
152.00	.7874	197.62	117.48	4.122
154.00	.7973	200.15	119.00	4.138
156.00	.8073	202.67	120.51	4.154
158.00	.8172	205.19	122.01	4.170
160.00	.8271	207.71	123.52	4.186
162.00	.8370	210.23	125.03	4.202
164.00	.8470	212.75	126.54	4.217
166.00	.8569	215.26	128.05	4.233
168.00	.8668	217.78	129.56	4.248
170.00	.8767	220.30	131.06	4.263
172.00	.8866	222.81	132.57	4.277
174.00	.8965	225.33	134.07	4.292
176.00	.9065	227.84	135.58	4.306
178.00	.9164	230.35	137.09	4.320
180.00	.9263	232.87	138.59	4.334
182.00	.9362	235.38	140.10	4.348
184.00	.9460	237.89	141.60	4.362
186.00	.9559	240.40	143.10	4.376
188.00	.9658	242.91	144.61	4.389
190.00	.9757	245.42	146.11	4.402
192.00	.9856	247.93	147.61	4.415
194.00	.9955	250.44	149.12	4.428
196.00	1.0054	252.95	150.62	4.441
198.00	1.0152	255.45	152.12	4.454
200.00	1.0251	257.96	153.62	4.467
202.00	1.0350	260.47	155.12	4.479
204.00	1.0449	262.97	156.63	4.491
206.00	1.0547	265.48	158.13	4.504
208.00	1.0646	267.98	159.63	4.516
210.00	1.0745	270.49	161.13	4.528
212.00	1.0843	272.99	162.63	4.540
214.00	1.0942	275.50	164.13	4.551
216.00	1.1040	278.00	165.63	4.563
218.00	1.1139	280.50	167.13	4.575
220.00	1.1238	283.01	168.63	4.586
222.00	1.1336	285.51	170.13	4.597
224.00	1.1435	288.01	171.63	4.609
226.00	1.1533	290.51	173.13	4.620
228.00	1.1632	293.01	174.63	4.631
230.00	1.1730	295.52	176.13	4.642
232.00	1.1829	298.02	177.62	4.652
234.00	1.1927	300.52	179.12	4.663
236.00	1.2025	303.02	180.62	4.674
238.00	1.2124	305.52	182.12	4.684
240.00	1.2222	308.02	183.62	4.695
242.00	1.2321	310.52	185.11	4.705
244.00	1.2419	313.02	186.61	4.715
246.00	1.2517	315.51	188.11	4.726
248.00	1.2616	318.01	189.61	4.736
250.00	1.2714	320.51	191.10	4.746
252.00	1.2813	323.01	192.60	4.756
254.00	1.2911	325.51	194.10	4.766
256.00	1.3009	328.00	195.59	4.775
258.00	1.3107	330.50	197.09	4.785
260.00	1.3206	333.00	198.59	4.795

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	1.3304	335.50	200.08	4.804	402.00	2.0166	509.89	304.64	5.338
264.00	1.3402	337.99	201.58	4.814	404.00	2.0264	512.38	306.13	5.344
266.00	1.3501	340.49	203.08	4.823	406.00	2.0362	514.87	307.62	5.350
268.00	1.3599	342.98	204.57	4.833	408.00	2.0460	517.35	309.11	5.356
270.00	1.3697	345.48	206.07	4.842	410.00	2.0557	519.84	310.60	5.362
272.00	1.3795	347.98	207.56	4.851	412.00	2.0655	522.33	312.10	5.368
274.00	1.3894	350.47	209.06	4.860	414.00	2.0753	524.82	313.59	5.374
276.00	1.3992	352.97	210.56	4.869	416.00	2.0851	527.30	315.08	5.380
278.00	1.4090	355.46	212.05	4.878	418.00	2.0949	529.79	316.57	5.386
280.00	1.4188	357.96	213.55	4.887	420.00	2.1047	532.28	318.06	5.392
282.00	1.4286	360.45	215.04	4.896	422.00	2.1144	534.76	319.55	5.398
284.00	1.4385	362.95	216.54	4.905	424.00	2.1242	537.25	321.04	5.404
286.00	1.4483	365.44	218.03	4.914	426.00	2.1340	539.74	322.54	5.410
288.00	1.4581	367.93	219.53	4.922	428.00	2.1438	542.23	324.03	5.416
290.00	1.4679	370.43	221.02	4.931	430.00	2.1536	544.71	325.52	5.421
292.00	1.4777	372.92	222.52	4.940	432.00	2.1634	547.20	327.01	5.427
294.00	1.4875	375.42	224.01	4.948	434.00	2.1731	549.69	328.50	5.433
296.00	1.4973	377.91	225.51	4.957	436.00	2.1829	552.17	329.99	5.439
298.00	1.5072	380.40	227.00	4.965	438.00	2.1927	554.66	331.48	5.444
300.00	1.5170	382.90	228.50	4.973	440.00	2.2025	557.15	332.97	5.450
302.00	1.5268	385.39	229.99	4.982	442.00	2.2123	559.63	334.47	5.456
304.00	1.5366	387.88	231.49	4.990	444.00	2.2220	562.12	335.96	5.461
306.00	1.5464	390.37	232.98	4.998	446.00	2.2318	564.61	337.45	5.467
308.00	1.5562	392.87	234.47	5.006	448.00	2.2416	567.09	338.94	5.472
310.00	1.5660	395.36	235.97	5.014	450.00	2.2514	569.58	340.43	5.478
312.00	1.5758	397.85	237.46	5.022	452.00	2.2612	572.07	341.92	5.483
314.00	1.5856	400.34	238.96	5.030	454.00	2.2709	574.55	343.41	5.489
316.00	1.5954	402.84	240.45	5.038	456.00	2.2807	577.04	344.90	5.494
318.00	1.6052	405.33	241.94	5.046	458.00	2.2905	579.52	346.39	5.500
320.00	1.6150	407.82	243.44	5.054	460.00	2.3003	582.01	347.89	5.505
322.00	1.6248	410.31	244.93	5.062	462.00	2.3100	584.50	349.38	5.511
324.00	1.6346	412.80	246.43	5.069	464.00	2.3198	586.98	350.87	5.516
326.00	1.6445	415.29	247.92	5.077	466.00	2.3296	589.47	352.36	5.521
328.00	1.6543	417.79	249.41	5.085	468.00	2.3394	591.95	353.85	5.527
330.00	1.6641	420.28	250.91	5.092	470.00	2.3492	594.44	355.34	5.532
332.00	1.6739	422.77	252.40	5.100	472.00	2.3589	596.93	356.83	5.537
334.00	1.6837	425.26	253.89	5.107	474.00	2.3687	599.41	358.32	5.543
336.00	1.6935	427.75	255.39	5.115	476.00	2.3785	601.90	359.81	5.548
338.00	1.7033	430.24	256.88	5.122	478.00	2.3883	604.38	361.30	5.553
340.00	1.7131	432.73	258.37	5.129	480.00	2.3980	606.87	362.79	5.558
342.00	1.7229	435.22	259.87	5.137	482.00	2.4078	609.36	364.28	5.563
344.00	1.7327	437.71	261.36	5.144	484.00	2.4176	611.84	365.78	5.569
346.00	1.7425	440.20	262.85	5.151	486.00	2.4274	614.33	367.27	5.574
348.00	1.7522	442.69	264.34	5.158	488.00	2.4371	616.81	368.76	5.579
350.00	1.7620	445.18	265.84	5.165	490.00	2.4469	619.30	370.25	5.584
352.00	1.7718	447.67	267.33	5.172	492.00	2.4567	621.78	371.74	5.589
354.00	1.7816	450.16	268.82	5.179	494.00	2.4665	624.27	373.23	5.594
356.00	1.7914	452.65	270.32	5.187	496.00	2.4762	626.75	374.72	5.599
358.00	1.8012	455.14	271.81	5.193	498.00	2.4860	629.24	376.21	5.604
360.00	1.8110	457.63	273.30	5.200	500.00	2.4958	631.72	377.70	5.609
362.00	1.8208	460.12	274.79	5.207	502.00	2.5056	634.21	379.19	5.614
364.00	1.8306	462.61	276.29	5.214	504.00	2.5153	636.70	380.68	5.619
366.00	1.8404	465.10	277.78	5.221	506.00	2.5251	639.18	382.17	5.624
368.00	1.8502	467.59	279.27	5.228	508.00	2.5349	641.67	383.66	5.629
370.00	1.8600	470.08	280.76	5.235	510.00	2.5446	644.15	385.15	5.634
372.00	1.8698	472.57	282.26	5.241	512.00	2.5544	646.64	386.64	5.638
374.00	1.8796	475.05	283.75	5.248	514.00	2.5642	649.12	388.13	5.643
376.00	1.8894	477.54	285.24	5.255	516.00	2.5740	651.61	389.62	5.648
378.00	1.8991	480.03	286.73	5.261	518.00	2.5837	654.09	391.11	5.653
380.00	1.9089	482.52	288.23	5.268	520.00	2.5935	656.58	392.60	5.658
382.00	1.9187	485.01	289.72	5.274	522.00	2.6033	659.06	394.09	5.662
384.00	1.9285	487.50	291.21	5.281	524.00	2.6131	661.55	395.58	5.667
386.00	1.9383	489.99	292.70	5.287	526.00	2.6228	664.03	397.08	5.672
388.00	1.9481	492.47	294.19	5.294	528.00	2.6326	666.52	398.57	5.677
390.00	1.9579	494.96	295.69	5.300	530.00	2.6424	669.00	400.06	5.681
392.00	1.9677	497.45	297.18	5.306	532.00	2.6521	671.48	401.55	5.686
394.00	1.9775	499.94	298.67	5.313	534.00	2.6619	673.97	403.04	5.691
396.00	1.9872	502.43	300.16	5.319	536.00	2.6717	676.45	404.53	5.695
398.00	1.9970	504.91	301.65	5.325	538.00	2.6814	678.94	406.02	5.700
400.00	2.0068	507.40	303.15	5.332	540.00	2.6912	681.42	407.51	5.705

600.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.0871	12.17	2.51	.437
8.00	.0890	13.20	3.32	.576
10.00	.0914	14.35	4.19	.709
12.00	.0945	15.69	5.19	.839
14.00	.0983	17.25	6.34	.959
16.00	.1028	19.24	7.82	1.092
18.00	.1081	21.49	9.49	1.224
20.00	.1141	23.94	11.27	1.353
22.00	.1208	26.52	13.11	1.476
24.00	.1281	29.21	14.99	1.593
26.00	.1361	31.97	16.87	1.704
28.00	.1445	34.79	18.74	1.808
30.00	.1533	37.63	20.60	1.906
32.00	.1625	40.48	22.45	1.998
34.00	.1718	43.34	24.27	2.085
36.00	.1813	46.20	26.06	2.166
38.00	.1909	49.04	27.84	2.243
40.00	.2006	51.87	29.60	2.316
42.00	.2104	54.69	31.33	2.385
44.00	.2201	57.49	33.05	2.450
46.00	.2299	60.27	34.75	2.512
48.00	.2396	63.04	36.44	2.571
50.00	.2493	65.80	38.11	2.627
52.00	.2591	68.54	39.77	2.680
54.00	.2688	71.26	41.42	2.732
56.00	.2785	73.98	43.06	2.781
58.00	.2881	76.68	44.69	2.829
60.00	.2978	79.37	46.31	2.874
62.00	.3074	82.06	47.93	2.918
64.00	.3170	84.73	49.53	2.961
66.00	.3265	87.39	51.14	3.002
68.00	.3361	90.05	52.73	3.041
70.00	.3456	92.69	54.32	3.080
72.00	.3551	95.33	55.90	3.117
74.00	.3646	97.97	57.48	3.153
76.00	.3741	100.60	59.06	3.188
78.00	.3835	103.22	60.63	3.222
80.00	.3930	105.83	62.20	3.255
82.00	.4024	108.44	63.76	3.287
84.00	.4118	111.05	65.32	3.319
86.00	.4212	113.65	66.88	3.349
88.00	.4306	116.24	68.44	3.379
90.00	.4399	118.84	69.99	3.408
92.00	.4493	121.43	71.54	3.437
94.00	.4586	124.01	73.09	3.465
96.00	.4679	126.59	74.63	3.492
98.00	.4773	129.17	76.17	3.518
100.00	.4866	131.74	77.72	3.544
102.00	.4959	134.31	79.26	3.570
104.00	.5051	136.88	80.79	3.595
106.00	.5144	139.45	82.33	3.619
108.00	.5237	142.01	83.86	3.643
110.00	.5329	144.57	85.40	3.667
112.00	.5422	147.13	86.93	3.690
114.00	.5514	149.68	88.46	3.712
116.00	.5607	152.24	89.99	3.735
118.00	.5699	154.79	91.51	3.756
120.00	.5791	157.34	93.04	3.778
122.00	.5883	159.89	94.56	3.799
124.00	.5975	162.43	96.09	3.820
126.00	.6067	164.98	97.61	3.840
128.00	.6159	167.52	99.13	3.860
130.00	.6251	170.06	100.65	3.880
132.00	.6343	172.60	102.17	3.899
134.00	.6434	175.14	103.69	3.918
136.00	.6526	177.67	105.21	3.937
138.00	.6618	180.21	106.73	3.955
140.00	.6709	182.74	108.25	3.974
142.00	.6801	185.27	109.76	3.992
144.00	.6892	187.81	111.28	4.009
146.00	.6984	190.34	112.79	4.027
148.00	.7075	192.86	114.31	4.044
150.00	.7166	195.39	115.82	4.061
152.00	.7258	197.92	117.33	4.078
154.00	.7349	200.44	118.84	4.094
156.00	.7440	202.97	120.36	4.110
158.00	.7531	205.49	121.87	4.126
160.00	.7623	208.01	123.38	4.142
162.00	.7714	210.54	124.89	4.158
164.00	.7805	213.06	126.40	4.173
166.00	.7896	215.58	127.91	4.189
168.00	.7987	218.10	129.41	4.204
170.00	.8078	220.61	130.92	4.219
172.00	.8169	223.13	132.43	4.233
174.00	.8260	225.65	133.94	4.248
176.00	.8351	228.17	135.44	4.262
178.00	.8442	230.68	136.95	4.277
180.00	.8532	233.20	138.46	4.291
182.00	.8623	235.71	139.96	4.304
184.00	.8714	238.22	141.47	4.318
186.00	.8805	240.74	142.97	4.332
188.00	.8895	243.25	144.48	4.345
190.00	.8986	245.76	145.98	4.359
192.00	.9077	248.27	147.49	~~4.372~~
194.00	.9168	250.78	148.99	4.385
196.00	.9258	253.29	150.49	4.398
198.00	.9349	255.80	152.00	4.410
200.00	.9439	258.31	153.50	4.423
202.00	.9530	260.82	155.00	4.435
204.00	.9621	263.33	156.51	4.448
206.00	.9711	265.83	158.01	4.460
208.00	.9802	268.34	159.51	4.472
210.00	.9892	270.85	161.01	4.484
212.00	.9983	273.35	162.51	4.496
214.00	1.0073	275.86	164.01	4.508
216.00	1.0164	278.37	165.52	4.519
218.00	1.0254	280.87	167.02	4.531
220.00	1.0344	283.38	168.52	4.542
222.00	1.0435	285.88	170.02	4.554
224.00	1.0525	288.38	171.52	4.565
226.00	1.0616	290.89	173.02	4.576
228.00	1.0706	293.39	174.52	4.587
230.00	1.0796	295.89	176.02	4.598
232.00	1.0887	298.39	177.52	4.609
234.00	1.0977	300.90	179.01	4.620
236.00	1.1067	303.40	180.51	4.630
238.00	1.1158	305.90	182.01	4.641
240.00	1.1248	308.40	183.51	4.651
242.00	1.1338	310.90	185.01	4.662
244.00	1.1428	313.40	186.51	4.672
246.00	1.1519	315.90	188.01	4.682
248.00	1.1609	318.40	189.50	4.692
250.00	1.1699	320.90	191.00	4.702
252.00	1.1789	323.40	192.50	4.712
254.00	1.1879	325.90	194.00	4.722
256.00	1.1970	328.40	195.50	4.732
258.00	1.2060	330.90	196.99	4.742
260.00	1.2150	333.40	198.49	4.751

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	1.2240	335.89	199.99	4.761	402.00	1.8533	510.35	304.57	5.294
264.00	1.2330	338.39	201.48	4.770	404.00	1.8623	512.84	306.06	5.301
266.00	1.2420	340.89	202.98	4.780	406.00	1.8712	515.33	307.55	5.307
268.00	1.2510	343.39	204.48	4.789	408.00	1.8802	517.81	309.05	5.313
270.00	1.2601	345.88	205.97	4.798	410.00	1.8892	520.30	310.54	5.319
272.00	1.2691	348.38	207.47	4.808	412.00	1.8982	522.79	312.03	5.325
274.00	1.2781	350.88	208.97	4.817	414.00	1.9071	525.28	313.52	5.331
276.00	1.2871	353.37	210.46	4.826	416.00	1.9161	527.77	315.01	5.337
278.00	1.2961	355.87	211.96	4.835	418.00	1.9251	530.25	316.51	5.343
280.00	1.3051	358.37	213.46	4.844	420.00	1.9340	532.74	318.00	5.349
282.00	1.3141	360.86	214.95	4.853	422.00	1.9430	535.23	319.49	5.355
284.00	1.3231	363.36	216.45	4.861	424.00	1.9520	537.72	320.98	5.361
286.00	1.3321	365.85	217.94	4.870	426.00	1.9609	540.21	322.47	5.367
288.00	1.3411	368.35	219.44	4.879	428.00	1.9699	542.69	323.96	5.372
290.00	1.3501	370.84	220.93	4.888	430.00	1.9789	545.18	325.46	5.378
292.00	1.3591	373.34	222.43	4.896	432.00	1.9879	547.67	326.95	5.384
294.00	1.3681	375.83	223.92	4.905	434.00	1.9968	550.16	328.44	5.390
296.00	1.3771	378.33	225.42	4.913	436.00	2.0058	552.64	329.93	5.395
298.00	1.3861	380.82	226.91	4.922	438.00	2.0148	555.13	331.42	5.401
300.00	1.3951	383.32	228.41	4.930	440.00	2.0237	557.62	332.91	5.407
302.00	1.4041	385.81	229.90	4.938	442.00	2.0327	560.10	334.40	5.412
304.00	1.4131	388.30	231.40	4.946	444.00	2.0417	562.59	335.90	5.418
306.00	1.4221	390.80	232.89	4.955	446.00	2.0506	565.08	337.39	5.424
308.00	1.4311	393.29	234.39	4.963	448.00	2.0596	567.57	338.88	5.429
310.00	1.4401	395.78	235.88	4.971	450.00	2.0686	570.05	340.37	5.435
312.00	1.4491	398.28	237.38	4.979	452.00	2.0775	572.54	341.86	5.440
314.00	1.4581	400.77	238.87	4.987	454.00	2.0865	575.03	343.35	5.446
316.00	1.4671	403.26	240.37	4.995	456.00	2.0955	577.51	344.84	5.451
318.00	1.4761	405.76	241.86	5.003	458.00	2.1044	580.00	346.34	5.457
320.00	1.4851	408.25	243.36	5.010	460.00	2.1134	582.49	347.83	5.462
322.00	1.4940	410.74	244.85	5.018	462.00	2.1224	584.97	349.32	5.467
324.00	1.5030	413.23	246.34	5.026	464.00	2.1313	587.46	350.81	5.473
326.00	1.5120	415.73	247.84	5.033	466.00	2.1403	589.95	352.30	5.478
328.00	1.5210	418.22	249.33	5.041	468.00	2.1493	592.43	353.79	5.483
330.00	1.5300	420.71	250.83	5.049	470.00	2.1582	594.92	355.28	5.489
332.00	1.5390	423.20	252.32	5.056	472.00	2.1672	597.40	356.77	5.494
334.00	1.5480	425.69	253.81	5.064	474.00	2.1761	599.89	358.26	5.499
336.00	1.5570	428.19	255.31	5.071	476.00	2.1851	602.38	359.75	5.505
338.00	1.5660	430.68	256.80	5.079	478.00	2.1941	604.86	361.25	5.510
340.00	1.5749	433.17	258.29	5.086	480.00	2.2030	607.35	362.74	5.515
342.00	1.5839	435.66	259.79	5.093	482.00	2.2120	609.84	364.23	5.520
344.00	1.5929	438.15	261.28	5.100	484.00	2.2210	612.32	365.72	5.525
346.00	1.6019	440.64	262.78	5.108	486.00	2.2299	614.81	367.21	5.530
348.00	1.6109	443.13	264.27	5.115	488.00	2.2389	617.29	368.70	5.535
350.00	1.6199	445.62	265.76	5.122	490.00	2.2478	619.78	370.19	5.541
352.00	1.6288	448.11	267.25	5.129	492.00	2.2568	622.27	371.68	5.546
354.00	1.6378	450.60	268.75	5.136	494.00	2.2658	624.75	373.17	5.551
356.00	1.6468	453.09	270.24	5.143	496.00	2.2747	627.24	374.66	5.556
358.00	1.6558	455.59	271.73	5.150	498.00	2.2837	629.72	376.15	5.561
360.00	1.6648	458.08	273.23	5.157	500.00	2.2927	632.21	377.65	5.566
362.00	1.6738	460.57	274.72	5.164	502.00	2.3016	634.69	379.14	5.571
364.00	1.6827	463.06	276.21	5.171	504.00	2.3106	637.18	380.63	5.576
366.00	1.6917	465.55	277.71	5.178	506.00	2.3195	639.67	382.12	5.580
368.00	1.7007	468.04	279.20	5.184	508.00	2.3285	642.15	383.61	5.585
370.00	1.7097	470.53	280.69	5.191	510.00	2.3375	644.64	385.10	5.590
372.00	1.7187	473.01	282.18	5.198	512.00	2.3464	647.12	386.59	5.595
374.00	1.7276	475.50	283.68	5.205	514.00	2.3554	649.61	388.08	5.600
376.00	1.7366	477.99	285.17	5.211	516.00	2.3643	652.09	389.57	5.605
378.00	1.7456	480.48	286.66	5.218	518.00	2.3733	654.58	391.06	5.610
380.00	1.7546	482.97	288.15	5.224	520.00	2.3823	657.06	392.55	5.614
382.00	1.7635	485.46	289.65	5.231	522.00	2.3912	659.55	394.04	5.619
384.00	1.7725	487.95	291.14	5.237	524.00	2.4002	662.03	395.53	5.624
386.00	1.7815	490.44	292.63	5.244	526.00	2.4091	664.52	397.02	5.629
388.00	1.7905	492.93	294.12	5.250	528.00	2.4181	667.01	398.51	5.633
390.00	1.7994	495.42	295.62	5.257	530.00	2.4271	669.49	400.00	5.638
392.00	1.8084	497.91	297.11	5.263	532.00	2.4360	671.98	401.49	5.643
394.00	1.8174	500.40	298.60	5.269	534.00	2.4450	674.46	402.98	5.647
396.00	1.8264	502.88	300.09	5.276	536.00	2.4539	676.95	404.47	5.652
398.00	1.8353	505.37	301.59	5.282	538.00	2.4629	679.43	405.97	5.657
400.00	1.8443	507.86	303.08	5.288	540.00	2.4718	681.92	407.46	5.661

650.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.0861	12.93	2.57	.429
8.00	.0879	13.94	3.37	.566
10.00	.0902	15.06	4.22	.697
12.00	.0930	16.37	5.18	.824
14.00	.0965	17.90	6.29	.941
16.00	.1006	19.83	7.73	1.070
18.00	.1053	22.03	9.36	1.200
20.00	.1107	24.42	11.10	1.325
22.00	.1167	26.95	12.91	1.446
24.00	.1233	29.57	14.75	1.560
26.00	.1303	32.27	16.60	1.668
28.00	.1379	35.03	18.45	1.770
30.00	.1458	37.83	20.29	1.867
32.00	.1540	40.65	22.12	1.957
34.00	.1624	43.48	23.94	2.043
36.00	.1711	46.31	25.73	2.124
38.00	.1798	49.14	27.51	2.201
40.00	.1886	51.95	29.26	2.273
42.00	.1975	54.76	31.00	2.341
44.00	.2065	57.56	32.72	2.407
46.00	.2154	60.34	34.43	2.468
48.00	.2244	63.11	36.12	2.527
50.00	.2334	65.87	37.80	2.584
52.00	.2423	68.61	39.46	2.637
54.00	.2513	71.34	41.12	2.689
56.00	.2602	74.06	42.76	2.738
58.00	.2691	76.77	44.40	2.786
60.00	.2780	79.47	46.03	2.832
62.00	.2869	82.16	47.65	2.876
64.00	.2957	84.83	49.26	2.918
66.00	.3046	87.50	50.87	2.959
68.00	.3134	90.16	52.47	2.999
70.00	.3222	92.82	54.06	3.037
72.00	.3310	95.46	55.65	3.075
74.00	.3398	98.10	57.23	3.111
76.00	.3485	100.74	58.81	3.146
78.00	.3573	103.36	60.39	3.180
80.00	.3660	105.99	61.96	3.213
82.00	.3747	108.60	63.53	3.246
84.00	.3834	111.21	65.09	3.277
86.00	.3921	113.82	66.65	3.308
88.00	.4008	116.42	68.21	3.338
90.00	.4094	119.02	69.77	3.367
92.00	.4181	121.61	71.32	3.395
94.00	.4267	124.20	72.87	3.423
96.00	.4353	126.79	74.42	3.450
98.00	.4439	129.37	75.97	3.477
100.00	.4525	131.95	77.51	3.503
102.00	.4611	134.52	79.05	3.529
104.00	.4697	137.10	80.59	3.553
106.00	.4783	139.67	82.13	3.578
108.00	.4869	142.23	83.67	3.602
110.00	.4954	144.80	85.20	3.625
112.00	.5040	147.36	86.74	3.649
114.00	.5125	149.92	88.27	3.671
116.00	.5211	152.48	89.80	3.693
118.00	.5296	155.03	91.33	3.715
120.00	.5381	157.59	92.86	3.737
122.00	.5466	160.14	94.39	3.758
124.00	.5551	162.69	95.91	3.779
126.00	.5636	165.23	97.44	3.799
128.00	.5721	167.78	98.96	3.819
130.00	.5806	170.32	100.48	3.839
132.00	.5891	172.87	102.01	3.858
134.00	.5976	175.41	103.53	3.877
136.00	.6061	177.95	105.05	3.896
138.00	.6145	180.49	106.57	3.915
140.00	.6230	183.02	108.09	3.933
142.00	.6314	185.56	109.60	3.951
144.00	.6399	188.09	111.12	3.969
146.00	.6484	190.63	112.64	3.986
148.00	.6568	193.16	114.15	4.003
150.00	.6652	195.69	115.67	4.020
152.00	.6737	198.22	117.18	4.037
154.00	.6821	200.74	118.70	4.054
156.00	.6905	203.27	120.21	4.070
158.00	.6990	205.80	121.72	4.086
160.00	.7074	208.32	123.23	4.102
162.00	.7158	210.85	124.74	4.117
164.00	.7242	213.37	126.26	4.133
166.00	.7326	215.89	127.77	4.148
168.00	.7411	218.42	129.28	4.163
170.00	.7495	220.94	130.79	4.178
172.00	.7579	223.46	132.29	4.193
174.00	.7663	225.98	133.80	4.208
176.00	.7747	228.49	135.31	4.222
178.00	.7831	231.01	136.82	4.236
180.00	.7915	233.53	138.33	4.250
182.00	.7999	236.05	139.83	4.264
184.00	.8082	238.56	141.34	4.278
186.00	.8166	241.08	142.85	4.291
188.00	.8250	243.59	144.35	4.305
190.00	.8334	246.10	145.86	4.318
192.00	.8418	248.62	147.36	4.331
194.00	.8501	251.13	148.87	4.344
196.00	.8585	253.64	150.37	4.357
198.00	.8669	256.15	151.88	4.370
200.00	.8753	258.66	153.38	4.383
202.00	.8836	261.17	154.88	4.395
204.00	.8920	263.68	156.39	4.407
206.00	.9004	266.19	157.89	4.420
208.00	.9087	268.70	159.39	4.432
210.00	.9171	271.21	160.90	4.444
212.00	.9255	273.72	162.40	4.456
214.00	.9338	276.23	163.90	4.468
216.00	.9422	278.73	165.40	4.479
218.00	.9505	281.24	166.90	4.491
220.00	.9589	283.75	168.40	4.502
222.00	.9672	286.25	169.91	4.514
224.00	.9756	288.76	171.41	4.525
226.00	.9839	291.26	172.91	4.536
228.00	.9923	293.77	174.41	4.547
230.00	1.0006	296.27	175.91	4.558
232.00	1.0090	298.77	177.41	4.569
234.00	1.0173	301.28	178.91	4.579
236.00	1.0256	303.78	180.41	4.590
238.00	1.0340	306.28	181.91	4.601
240.00	1.0423	308.79	183.41	4.611
242.00	1.0507	311.29	184.91	4.621
244.00	1.0590	313.79	186.41	4.632
246.00	1.0673	316.29	187.90	4.642
248.00	1.0757	318.79	189.40	4.652
250.00	1.0840	321.29	190.90	4.662
252.00	1.0923	323.79	192.40	4.672
254.00	1.1007	326.29	193.90	4.682
256.00	1.1090	328.79	195.40	4.692
258.00	1.1173	331.29	196.89	4.702
260.00	1.1256	333.79	198.39	4.711

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	1.1340	336.29	199.89	4.721	402.00	1.7151	510.81	304.50	5.255
264.00	1.1423	338.79	201.39	4.730	404.00	1.7234	513.30	306.00	5.261
266.00	1.1506	341.29	202.89	4.740	406.00	1.7317	515.79	307.49	5.267
268.00	1.1589	343.79	204.38	4.749	408.00	1.7400	518.28	308.98	5.273
270.00	1.1673	346.29	205.88	4.758	410.00	1.7482	520.77	310.47	5.279
272.00	1.1756	348.79	207.38	4.768	412.00	1.7565	523.25	311.97	5.285
274.00	1.1839	351.28	208.87	4.777	414.00	1.7648	525.74	313.46	5.291
276.00	1.1922	353.78	210.37	4.786	416.00	1.7731	528.23	314.95	5.297
278.00	1.2005	356.28	211.87	4.795	418.00	1.7814	530.72	316.44	5.303
280.00	1.2089	358.78	213.36	4.804	420.00	1.7897	533.21	317.93	5.309
282.00	1.2172	361.27	214.86	4.813	422.00	1.7979	535.70	319.43	5.315
284.00	1.2255	363.77	216.36	4.821	424.00	1.8062	538.18	320.92	5.321
286.00	1.2338	366.27	217.85	4.830	426.00	1.8145	540.67	322.41	5.327
288.00	1.2421	368.76	219.35	4.839	428.00	1.8228	543.16	323.90	5.332
290.00	1.2504	371.26	220.85	4.848	430.00	1.8311	545.65	325.39	5.338
292.00	1.2588	373.75	222.34	4.856	432.00	1.8394	548.14	326.89	5.344
294.00	1.2671	376.25	223.84	4.865	434.00	1.8476	550.62	328.38	5.350
296.00	1.2754	378.75	225.33	4.873	436.00	1.8559	553.11	329.87	5.356
298.00	1.2837	381.24	226.83	4.882	438.00	1.8642	555.60	331.36	5.361
300.00	1.2920	383.74	228.32	4.890	440.00	1.8725	558.09	332.85	5.367
302.00	1.3003	386.23	229.82	4.898	442.00	1.8808	560.58	334.34	5.373
304.00	1.3086	388.73	231.31	4.906	444.00	1.8890	563.06	335.84	5.378
306.00	1.3169	391.22	232.81	4.915	446.00	1.8973	565.55	337.33	5.384
308.00	1.3252	393.72	234.31	4.923	448.00	1.9056	568.04	338.82	5.389
310.00	1.3335	396.21	235.80	4.931	450.00	1.9139	570.53	340.31	5.395
312.00	1.3419	398.70	237.30	4.939	452.00	1.9222	573.01	341.80	5.400
314.00	1.3502	401.20	238.79	4.947	454.00	1.9304	575.50	343.29	5.406
316.00	1.3585	403.69	240.29	4.955	456.00	1.9387	577.99	344.78	5.411
318.00	1.3668	406.19	241.78	4.963	458.00	1.9470	580.47	346.28	5.417
320.00	1.3751	408.68	243.27	4.970	460.00	1.9553	582.96	347.77	5.422
322.00	1.3834	411.17	244.77	4.978	462.00	1.9635	585.45	349.26	5.428
324.00	1.3917	413.67	246.26	4.986	464.00	1.9718	587.94	350.75	5.433
326.00	1.4000	416.16	247.76	4.994	466.00	1.9801	590.42	352.24	5.438
328.00	1.4083	418.65	249.25	5.001	468.00	1.9884	592.91	353.73	5.444
330.00	1.4166	421.14	250.75	5.009	470.00	1.9967	595.40	355.22	5.449
332.00	1.4249	423.64	252.24	5.016	472.00	2.0049	597.88	356.72	5.454
334.00	1.4332	426.13	253.74	5.024	474.00	2.0132	600.37	358.21	5.459
336.00	1.4415	428.62	255.23	5.031	476.00	2.0215	602.86	359.70	5.465
338.00	1.4498	431.11	256.72	5.039	478.00	2.0298	605.34	361.19	5.470
340.00	1.4581	433.61	258.22	5.046	480.00	2.0380	607.83	362.68	5.475
342.00	1.4664	436.10	259.71	5.053	482.00	2.0463	610.32	364.17	5.480
344.00	1.4747	438.59	261.21	5.060	484.00	2.0546	612.80	365.66	5.485
346.00	1.4830	441.08	262.70	5.068	486.00	2.0629	615.29	367.15	5.491
348.00	1.4913	443.57	264.19	5.075	488.00	2.0711	617.78	368.64	5.496
350.00	1.4996	446.07	265.69	5.082	490.00	2.0794	620.26	370.14	5.501
352.00	1.5079	448.56	267.18	5.089	492.00	2.0877	622.75	371.63	5.506
354.00	1.5162	451.05	268.67	5.096	494.00	2.0960	625.24	373.12	5.511
356.00	1.5244	453.54	270.17	5.103	496.00	2.1042	627.72	374.61	5.516
358.00	1.5327	456.03	271.66	5.110	498.00	2.1125	630.21	376.10	5.521
360.00	1.5410	458.52	273.15	5.117	500.00	2.1208	632.69	377.59	5.526
362.00	1.5493	461.01	274.65	5.124	502.00	2.1290	635.18	379.08	5.531
364.00	1.5576	463.50	276.14	5.131	504.00	2.1373	637.67	380.57	5.536
366.00	1.5659	465.99	277.63	5.138	506.00	2.1456	640.15	382.06	5.541
368.00	1.5742	468.48	279.13	5.144	508.00	2.1539	642.64	383.55	5.546
370.00	1.5825	470.97	280.62	5.151	510.00	2.1621	645.12	385.04	5.550
372.00	1.5908	473.47	282.11	5.158	512.00	2.1704	647.61	386.54	5.555
374.00	1.5991	475.96	283.61	5.165	514.00	2.1787	650.10	388.03	5.560
376.00	1.6074	478.45	285.10	5.171	516.00	2.1870	652.58	389.52	5.565
378.00	1.6157	480.94	286.59	5.178	518.00	2.1952	655.07	391.01	5.570
380.00	1.6239	483.43	288.09	5.184	520.00	2.2035	657.55	392.50	5.575
382.00	1.6322	485.92	289.58	5.191	522.00	2.2118	660.04	393.99	5.579
384.00	1.6405	488.41	291.07	5.197	524.00	2.2200	662.52	395.48	5.584
386.00	1.6488	490.90	292.56	5.204	526.00	2.2283	665.01	396.97	5.589
388.00	1.6571	493.38	294.06	5.210	528.00	2.2366	667.50	398.46	5.594
390.00	1.6654	495.87	295.55	5.217	530.00	2.2449	669.98	399.95	5.598
392.00	1.6737	498.36	297.04	5.223	532.00	2.2531	672.47	401.44	5.603
394.00	1.6820	500.85	298.53	5.229	534.00	2.2614	674.95	402.93	5.608
396.00	1.6902	503.34	300.03	5.236	536.00	2.2697	677.44	404.42	5.612
398.00	1.6985	505.83	301.52	5.242	538.00	2.2779	679.92	405.91	5.617
400.00	1.7068	508.32	303.01	5.248	540.00	2.2862	682.41	407.40	5.621

700.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.0852	13.68	2.64	.422
8.00	.0869	14.68	3.42	.557
10.00	.0890	15.78	4.25	.685
12.00	.0917	17.06	5.18	.810
14.00	.0949	18.55	6.26	.924
16.00	.0986	20.44	7.66	1.051
18.00	.1030	22.60	9.26	1.177
20.00	.1078	24.93	10.96	1.300
22.00	.1132	27.40	12.73	1.418
24.00	.1191	29.97	14.54	1.530
26.00	.1255	32.62	16.36	1.636
28.00	.1323	35.33	18.19	1.736
30.00	.1394	38.08	20.02	1.831
32.00	.1469	40.86	21.84	1.921
34.00	.1545	43.66	23.64	2.006
36.00	.1624	46.47	25.43	2.086
38.00	.1704	49.27	27.20	2.162
40.00	.1785	52.08	28.96	2.234
42.00	.1867	54.88	30.69	2.302
44.00	.1949	57.67	32.42	2.367
46.00	.2032	60.45	34.13	2.429
48.00	.2115	63.21	35.82	2.487
50.00	.2197	65.97	37.50	2.544
52.00	.2280	68.71	39.17	2.598
54.00	.2363	71.45	40.83	2.649
56.00	.2446	74.17	42.48	2.699
58.00	.2529	76.88	44.12	2.746
60.00	.2611	79.58	45.75	2.792
62.00	.2694	82.28	47.38	2.836
64.00	.2776	84.96	49.00	2.879
66.00	.2858	87.63	50.61	2.920
68.00	.2940	90.30	52.21	2.960
70.00	.3022	92.96	53.81	2.998
72.00	.3104	95.61	55.40	3.036
74.00	.3185	98.25	56.99	3.072
76.00	.3267	100.89	58.57	3.107
78.00	.3348	103.53	60.15	3.141
80.00	.3429	106.15	61.73	3.174
82.00	.3510	108.77	63.30	3.207
84.00	.3591	111.39	64.87	3.238
86.00	.3672	114.00	66.43	3.269
88.00	.3753	116.61	68.00	3.299
90.00	.3833	119.21	69.55	3.328
92.00	.3914	121.81	71.11	3.357
94.00	.3994	124.40	72.66	3.385
96.00	.4074	126.99	74.22	3.412
98.00	.4154	129.58	75.76	3.439
100.00	.4234	132.16	77.31	3.465
102.00	.4314	134.74	78.86	3.490
104.00	.4394	137.32	80.40	3.515
106.00	.4474	139.89	81.94	3.540
108.00	.4553	142.46	83.48	3.564
110.00	.4633	145.03	85.02	3.587
112.00	.4712	147.60	86.55	3.610
114.00	.4792	150.16	88.09	3.633
116.00	.4871	152.72	89.62	3.655
118.00	.4951	155.28	91.15	3.677
120.00	.5030	157.84	92.68	3.699
122.00	.5109	160.39	94.21	3.720
124.00	.5188	162.95	95.74	3.741
126.00	.5267	165.50	97.27	3.761
128.00	.5346	168.05	98.79	3.781
130.00	.5425	170.60	100.32	3.801
132.00	.5504	173.14	101.84	3.820
134.00	.5583	175.69	103.37	3.839
136.00	.5662	178.23	104.89	3.858
138.00	.5740	180.77	106.41	3.877
140.00	.5819	183.31	107.93	3.895
142.00	.5898	185.85	109.45	3.913
144.00	.5976	188.38	110.97	3.931
146.00	.6055	190.92	112.49	3.948
148.00	.6133	193.45	114.00	3.966
150.00	.6212	195.99	115.52	3.983
152.00	.6290	198.52	117.03	3.999
154.00	.6369	201.05	118.55	4.016
156.00	.6447	203.58	120.06	4.032
158.00	.6525	206.11	121.58	4.048
160.00	.6604	208.64	123.09	4.064
162.00	.6682	211.16	124.60	4.080
164.00	.6760	213.69	126.12	4.095
166.00	.6838	216.21	127.63	4.111
168.00	.6917	218.74	129.14	4.126
170.00	.6995	221.26	130.65	4.141
172.00	.7073	223.78	132.16	4.156
174.00	.7151	226.31	133.67	4.170
176.00	.7229	228.83	135.18	4.184
178.00	.7307	231.35	136.69	4.199
180.00	.7385	233.86	138.20	4.213
182.00	.7463	236.38	139.71	4.227
184.00	.7541	238.90	141.21	4.240
186.00	.7619	241.42	142.72	4.254
188.00	.7697	243.93	144.23	4.268
190.00	.7775	246.45	145.73	4.281
192.00	.7853	248.96	147.24	4.294
194.00	.7931	251.48	148.75	4.307
196.00	.8008	253.99	150.25	4.320
198.00	.8086	256.51	151.76	4.333
200.00	.8164	259.02	153.26	4.345
202.00	.8242	261.53	154.77	4.358
204.00	.8320	264.04	156.27	4.370
206.00	.8397	266.55	157.77	4.382
208.00	.8475	269.06	159.28	4.395
210.00	.8553	271.57	160.78	4.407
212.00	.8630	274.08	162.28	4.418
214.00	.8708	276.59	163.79	4.430
216.00	.8786	279.10	165.29	4.442
218.00	.8863	281.61	166.79	4.453
220.00	.8941	284.12	168.30	4.465
222.00	.9019	286.63	169.80	4.476
224.00	.9096	289.13	171.30	4.488
226.00	.9174	291.64	172.80	4.499
228.00	.9251	294.14	174.30	4.510
230.00	.9329	296.65	175.80	4.521
232.00	.9406	299.16	177.30	4.531
234.00	.9484	301.66	178.80	4.542
236.00	.9561	304.16	180.31	4.553
238.00	.9639	306.67	181.81	4.563
240.00	.9716	309.17	183.31	4.574
242.00	.9794	311.68	184.81	4.584
244.00	.9871	314.18	186.31	4.595
246.00	.9949	316.68	187.80	4.605
248.00	1.0026	319.19	189.30	4.615
250.00	1.0104	321.69	190.80	4.625
252.00	1.0181	324.19	192.30	4.635
254.00	1.0259	326.69	193.80	4.645
256.00	1.0336	329.19	195.30	4.655
258.00	1.0413	331.69	196.80	4.664
260.00	1.0491	334.19	198.30	4.674

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	1.0568	336.69	199.80	4.684	402.00	1.5967	511.27	304.44	5.218
264.00	1.0645	339.19	201.29	4.693	404.00	1.6044	513.76	305.93	5.224
266.00	1.0723	341.69	202.79	4.703	406.00	1.6121	516.25	307.42	5.230
268.00	1.0800	344.19	204.29	4.712	408.00	1.6197	518.74	308.92	5.236
270.00	1.0877	346.69	205.79	4.721	410.00	1.6274	521.23	310.41	5.242
272.00	1.0955	349.19	207.29	4.730	412.00	1.6351	523.72	311.90	5.248
274.00	1.1032	351.69	208.78	4.740	414.00	1.6428	526.21	313.39	5.254
276.00	1.1109	354.19	210.28	4.749	416.00	1.6505	528.70	314.89	5.260
278.00	1.1187	356.69	211.78	4.758	418.00	1.6582	531.18	316.38	5.266
280.00	1.1264	359.19	213.27	4.767	420.00	1.6659	533.67	317.87	5.272
282.00	1.1341	361.69	214.77	4.776	422.00	1.6736	536.16	319.36	5.278
284.00	1.1418	364.18	216.27	4.784	424.00	1.6813	538.65	320.86	5.284
286.00	1.1496	366.68	217.76	4.793	426.00	1.6890	541.14	322.35	5.290
288.00	1.1573	369.18	219.26	4.802	428.00	1.6967	543.63	323.84	5.296
290.00	1.1650	371.67	220.76	4.810	430.00	1.7044	546.12	325.33	5.301
292.00	1.1727	374.17	222.25	4.819	432.00	1.7121	548.61	326.82	5.307
294.00	1.1805	376.67	223.75	4.828	434.00	1.7198	551.09	328.32	5.313
296.00	1.1882	379.17	225.25	4.836	436.00	1.7274	553.58	329.81	5.319
298.00	1.1959	381.66	226.74	4.844	438.00	1.7351	556.07	331.30	5.324
300.00	1.2036	384.16	228.24	4.853	440.00	1.7428	558.56	332.79	5.330
302.00	1.2113	386.65	229.74	4.861	442.00	1.7505	561.05	334.28	5.336
304.00	1.2191	389.15	231.23	4.869	444.00	1.7582	563.53	335.78	5.341
306.00	1.2268	391.65	232.73	4.878	446.00	1.7659	566.02	337.27	5.347
308.00	1.2345	394.14	234.22	4.886	448.00	1.7736	568.51	338.76	5.352
310.00	1.2422	396.64	235.72	4.894	450.00	1.7813	571.00	340.25	5.358
312.00	1.2499	399.13	237.21	4.902	452.00	1.7890	573.49	341.74	5.363
314.00	1.2577	401.63	238.71	4.910	454.00	1.7967	575.97	343.23	5.369
316.00	1.2654	404.12	240.20	4.918	456.00	1.8043	578.46	344.73	5.374
318.00	1.2731	406.62	241.70	4.926	458.00	1.8120	580.95	346.22	5.380
320.00	1.2808	409.11	243.19	4.933	460.00	1.8197	583.44	347.71	5.385
322.00	1.2885	411.60	244.69	4.941	462.00	1.8274	585.92	349.20	5.391
324.00	1.2962	414.10	246.18	4.949	464.00	1.8351	588.41	350.69	5.396
326.00	1.3039	416.59	247.68	4.957	466.00	1.8428	590.90	352.18	5.401
328.00	1.3116	419.09	249.17	4.964	468.00	1.8505	593.39	353.68	5.407
330.00	1.3194	421.58	250.67	4.972	470.00	1.8582	595.87	355.17	5.412
332.00	1.3271	424.07	252.16	4.979	472.00	1.8659	598.36	356.66	5.417
334.00	1.3348	426.57	253.66	4.987	474.00	1.8735	600.85	358.15	5.423
336.00	1.3425	429.06	255.15	4.994	476.00	1.8812	603.34	359.64	5.428
338.00	1.3502	431.55	256.65	5.002	478.00	1.8889	605.82	361.13	5.433
340.00	1.3579	434.05	258.14	5.009	480.00	1.8966	608.31	362.62	5.438
342.00	1.3656	436.54	259.64	5.016	482.00	1.9043	610.80	364.12	5.443
344.00	1.3733	439.03	261.13	5.024	484.00	1.9120	613.28	365.61	5.449
346.00	1.3810	441.52	262.62	5.031	486.00	1.9197	615.77	367.10	5.454
348.00	1.3887	444.02	264.12	5.038	488.00	1.9273	618.26	368.59	5.459
350.00	1.3964	446.51	265.61	5.045	490.00	1.9350	620.74	370.08	5.464
352.00	1.4041	449.00	267.11	5.052	492.00	1.9427	623.23	371.57	5.469
354.00	1.4119	451.49	268.60	5.059	494.00	1.9504	625.72	373.06	5.474
356.00	1.4196	453.98	270.09	5.066	496.00	1.9581	628.20	374.55	5.479
358.00	1.4273	456.48	271.59	5.073	498.00	1.9658	630.69	376.05	5.484
360.00	1.4350	458.97	273.08	5.080	500.00	1.9734	633.18	377.54	5.489
362.00	1.4427	461.46	274.58	5.087	502.00	1.9811	635.66	379.03	5.494
364.00	1.4504	463.95	276.07	5.094	504.00	1.9888	638.15	380.52	5.499
366.00	1.4581	466.44	277.56	5.101	506.00	1.9965	640.64	382.01	5.504
368.00	1.4658	468.93	279.06	5.108	508.00	2.0042	643.12	383.50	5.509
370.00	1.4735	471.42	280.55	5.114	510.00	2.0119	645.61	384.99	5.514
372.00	1.4812	473.92	282.04	5.121	512.00	2.0196	648.10	386.48	5.518
374.00	1.4889	476.41	283.54	5.128	514.00	2.0272	650.58	387.97	5.523
376.00	1.4966	478.90	285.03	5.134	516.00	2.0349	653.07	389.46	5.528
378.00	1.5043	481.39	286.52	5.141	518.00	2.0426	655.56	390.96	5.533
380.00	1.5120	483.88	288.02	5.147	520.00	2.0503	658.04	392.45	5.538
382.00	1.5197	486.37	289.51	5.154	522.00	2.0580	660.53	393.94	5.542
384.00	1.5274	488.86	291.00	5.161	524.00	2.0656	663.01	395.43	5.547
386.00	1.5351	491.35	292.50	5.167	526.00	2.0733	665.50	396.92	5.552
388.00	1.5428	493.84	293.99	5.173	528.00	2.0810	667.99	398.41	5.557
390.00	1.5505	496.33	295.48	5.180	530.00	2.0887	670.47	399.90	5.561
392.00	1.5582	498.82	296.97	5.186	532.00	2.0964	672.96	401.39	5.566
394.00	1.5659	501.31	298.47	5.193	534.00	2.1041	675.44	402.88	5.571
396.00	1.5736	503.80	299.96	5.199	536.00	2.1117	677.93	404.37	5.575
398.00	1.5813	506.29	301.45	5.205	538.00	2.1194	680.41	405.86	5.580
400.00	1.5890	508.78	302.95	5.211	540.00	2.1271	682.90	407.35	5.585

750.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.0844	14.42	2.71	.415
8.00	.0860	15.41	3.48	.549
10.00	.0880	16.49	4.28	.675
12.00	.0905	17.75	5.19	.797
14.00	.0934	19.20	6.24	.909
16.00	.0969	21.06	7.61	1.033
18.00	.1009	23.17	9.17	1.157
20.00	.1053	25.46	10.85	1.278
22.00	.1102	27.89	12.59	1.393
24.00	.1156	30.41	14.37	1.503
26.00	.1214	33.01	16.16	1.607
28.00	.1275	35.67	17.97	1.705
30.00	.1340	38.38	19.78	1.799
32.00	.1408	41.12	21.58	1.887
34.00	.1478	43.89	23.37	1.971
36.00	.1550	46.67	25.15	2.051
38.00	.1624	49.45	26.92	2.126
40.00	.1698	52.24	28.67	2.197
42.00	.1774	55.03	30.41	2.265
44.00	.1850	57.81	32.13	2.330
46.00	.1926	60.58	33.84	2.392
48.00	.2003	63.34	35.54	2.450
50.00	.2080	66.10	37.22	2.507
52.00	.2157	68.84	38.90	2.561
54.00	.2235	71.58	40.56	2.612
56.00	.2312	74.30	42.21	2.662
58.00	.2389	77.01	43.86	2.709
60.00	.2466	79.72	45.49	2.755
62.00	.2543	82.41	47.12	2.799
64.00	.2620	85.10	48.74	2.842
66.00	.2696	87.78	50.36	2.883
68.00	.2773	90.45	51.97	2.923
70.00	.2849	93.11	53.57	2.962
72.00	.2926	95.77	55.16	2.999
74.00	.3002	98.42	56.76	3.035
76.00	.3078	101.06	58.34	3.071
78.00	.3154	103.70	59.93	3.105
80.00	.3230	106.33	61.50	3.138
82.00	.3305	108.96	63.08	3.171
84.00	.3381	111.58	64.65	3.202
86.00	.3456	114.19	66.22	3.233
88.00	.3532	116.80	67.78	3.263
90.00	.3607	119.41	69.35	3.292
92.00	.3682	122.01	70.91	3.321
94.00	.3757	124.61	72.46	3.349
96.00	.3832	127.20	74.02	3.376
98.00	.3907	129.80	75.57	3.403
100.00	.3982	132.38	77.12	3.429
102.00	.4057	134.97	78.66	3.454
104.00	.4131	137.55	80.21	3.480
106.00	.4206	140.13	81.75	3.504
108.00	.4280	142.70	83.30	3.528
110.00	.4355	145.27	84.84	3.552
112.00	.4429	147.84	86.37	3.575
114.00	.4503	150.41	87.91	3.598
116.00	.4577	152.98	89.45	3.620
118.00	.4651	155.54	90.98	3.642
120.00	.4725	158.10	92.51	3.663
122.00	.4799	160.66	94.04	3.685
124.00	.4873	163.21	95.57	3.705
126.00	.4947	165.77	97.10	3.726
128.00	.5021	168.32	98.63	3.746
130.00	.5095	170.87	100.16	3.766
132.00	.5169	173.42	101.68	3.785
134.00	.5242	175.97	103.21	3.804
136.00	.5316	178.51	104.73	3.823
138.00	.5390	181.06	106.25	3.842
140.00	.5463	183.60	107.78	3.860
142.00	.5537	186.14	109.30	3.878
144.00	.5610	188.68	110.82	3.896
146.00	.5683	191.22	112.34	3.913
148.00	.5757	193.76	113.86	3.930
150.00	.5830	196.29	115.37	3.947
152.00	.5903	198.83	116.89	3.964
154.00	.5977	201.36	118.41	3.981
156.00	.6050	203.89	119.92	3.997
158.00	.6123	206.42	121.44	4.013
160.00	.6196	208.95	122.95	4.029
162.00	.6269	211.48	124.47	4.045
164.00	.6343	214.01	125.98	4.060
166.00	.6416	216.54	127.49	4.076
168.00	.6489	219.06	129.01	4.091
170.00	.6562	221.59	130.52	4.106
172.00	.6635	224.11	132.03	4.121
174.00	.6708	226.64	133.54	4.135
176.00	.6781	229.16	135.05	4.150
178.00	.6853	231.68	136.56	4.164
180.00	.6926	234.20	138.07	4.178
182.00	.6999	236.72	139.58	4.192
184.00	.7072	239.24	141.09	4.206
186.00	.7145	241.76	142.60	4.219
188.00	.7218	244.28	144.10	4.233
190.00	.7290	246.80	145.61	4.246
192.00	.7363	249.32	147.12	4.259
194.00	.7436	251.83	148.63	4.272
196.00	.7509	254.35	150.13	4.285
198.00	.7581	256.86	151.64	4.298
200.00	.7654	259.38	153.14	4.311
202.00	.7727	261.89	154.65	4.323
204.00	.7799	264.40	156.16	4.335
206.00	.7872	266.92	157.66	4.348
208.00	.7944	269.43	159.17	4.360
210.00	.8017	271.94	160.67	4.372
212.00	.8090	274.45	162.17	4.384
214.00	.8162	276.96	163.68	4.396
216.00	.8235	279.47	165.18	4.407
218.00	.8307	281.98	166.68	4.419
220.00	.8380	284.49	168.19	4.430
222.00	.8452	287.00	169.69	4.442
224.00	.8525	289.51	171.19	4.453
226.00	.8597	292.02	172.69	4.464
228.00	.8670	294.52	174.20	4.475
230.00	.8742	297.03	175.70	4.486
232.00	.8814	299.54	177.20	4.497
234.00	.8887	302.04	178.70	4.508
236.00	.8959	304.55	180.20	4.518
238.00	.9032	307.06	181.70	4.529
240.00	.9104	309.56	183.20	4.539
242.00	.9176	312.07	184.71	4.550
244.00	.9249	314.57	186.21	4.560
246.00	.9321	317.08	187.71	4.570
248.00	.9393	319.58	189.21	4.580
250.00	.9466	322.08	190.71	4.590
252.00	.9538	324.59	192.21	4.600
254.00	.9610	327.09	193.71	4.610
256.00	.9682	329.59	195.20	4.620
258.00	.9755	332.09	196.70	4.630
260.00	.9827	334.60	198.20	4.639

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	.9899	337.10	199.70	4.649	402.00	1.4940	511.73	304.37	5.183
264.00	.9971	339.60	201.20	4.659	404.00	1.5012	514.22	305.87	5.189
266.00	1.0044	342.10	202.70	4.668	406.00	1.5084	516.71	307.36	5.195
268.00	1.0116	344.60	204.20	4.677	408.00	1.5156	519.20	308.85	5.202
270.00	1.0188	347.10	205.70	4.687	410.00	1.5227	521.69	310.34	5.208
272.00	1.0260	349.60	207.19	4.696	412.00	1.5299	524.18	311.84	5.214
274.00	1.0333	352.10	208.69	4.705	414.00	1.5371	526.67	313.33	5.220
276.00	1.0405	354.60	210.19	4.714	416.00	1.5443	529.16	314.82	5.226
278.00	1.0477	357.10	211.69	4.723	418.00	1.5515	531.65	316.32	5.232
280.00	1.0549	359.60	213.19	4.732	420.00	1.5587	534.14	317.81	5.238
282.00	1.0621	362.10	214.68	4.741	422.00	1.5658	536.63	319.30	5.244
284.00	1.0693	364.60	216.18	4.750	424.00	1.5730	539.12	320.79	5.249
286.00	1.0766	367.10	217.68	4.759	426.00	1.5802	541.61	322.29	5.255
288.00	1.0838	369.59	219.18	4.767	428.00	1.5874	544.10	323.78	5.261
290.00	1.0910	372.09	220.67	4.776	430.00	1.5946	546.59	325.27	5.267
292.00	1.0982	374.59	222.17	4.785	432.00	1.6017	549.07	326.76	5.273
294.00	1.1054	377.09	223.67	4.793	434.00	1.6089	551.56	328.25	5.279
296.00	1.1126	379.59	225.16	4.802	436.00	1.6161	554.05	329.75	5.284
298.00	1.1198	382.08	226.66	4.810	438.00	1.6233	556.54	331.24	5.290
300.00	1.1270	384.58	228.16	4.818	440.00	1.6305	559.03	332.73	5.296
302.00	1.1342	387.08	229.65	4.827	442.00	1.6376	561.52	334.22	5.301
304.00	1.1414	389.57	231.15	4.835	444.00	1.6448	564.01	335.72	5.307
306.00	1.1487	392.07	232.64	4.843	446.00	1.6520	566.50	337.21	5.312
308.00	1.1559	394.57	234.14	4.851	448.00	1.6592	568.98	338.70	5.318
310.00	1.1631	397.06	235.64	4.859	450.00	1.6664	571.47	340.19	5.324
312.00	1.1703	399.56	237.13	4.867	452.00	1.6735	573.96	341.68	5.329
314.00	1.1775	402.05	238.63	4.875	454.00	1.6807	576.45	343.18	5.335
316.00	1.1847	404.55	240.12	4.883	456.00	1.6879	578.94	344.67	5.340
318.00	1.1919	407.05	241.62	4.891	458.00	1.6951	581.43	346.16	5.345
320.00	1.1991	409.54	243.12	4.899	460.00	1.7023	583.91	347.65	5.351
322.00	1.2063	412.04	244.61	4.907	462.00	1.7094	586.40	349.14	5.356
324.00	1.2135	414.53	246.11	4.914	464.00	1.7166	588.89	350.64	5.362
326.00	1.2207	417.03	247.60	4.922	466.00	1.7238	591.38	352.13	5.367
328.00	1.2279	419.52	249.10	4.930	468.00	1.7310	593.86	353.62	5.372
330.00	1.2351	422.01	250.59	4.937	470.00	1.7381	596.35	355.11	5.378
332.00	1.2423	424.51	252.09	4.945	472.00	1.7453	598.84	356.60	5.383
334.00	1.2495	427.00	253.58	4.952	474.00	1.7525	601.33	358.09	5.388
336.00	1.2567	429.50	255.08	4.960	476.00	1.7597	603.82	359.59	5.393
338.00	1.2639	431.99	256.57	4.967	478.00	1.7668	606.30	361.08	5.399
340.00	1.2711	434.49	258.07	4.974	480.00	1.7740	608.79	362.57	5.404
342.00	1.2783	436.98	259.56	4.982	482.00	1.7812	611.28	364.06	5.409
344.00	1.2855	439.47	261.06	4.989	484.00	1.7884	613.77	365.55	5.414
346.00	1.2927	441.97	262.55	4.996	486.00	1.7955	616.25	367.04	5.419
348.00	1.2999	444.46	264.04	5.003	488.00	1.8027	618.74	368.53	5.424
350.00	1.3071	446.95	265.54	5.011	490.00	1.8099	621.23	370.03	5.429
352.00	1.3143	449.44	267.03	5.018	492.00	1.8171	623.71	371.52	5.435
354.00	1.3215	451.94	268.53	5.025	494.00	1.8242	626.20	373.01	5.440
356.00	1.3287	454.43	270.02	5.032	496.00	1.8314	628.69	374.50	5.445
358.00	1.3358	456.92	271.52	5.039	498.00	1.8386	631.18	375.99	5.450
360.00	1.3430	459.42	273.01	5.046	500.00	1.8458	633.66	377.48	5.455
362.00	1.3502	461.91	274.50	5.053	502.00	1.8529	636.15	378.97	5.460
364.00	1.3574	464.40	276.00	5.059	504.00	1.8601	638.64	380.47	5.465
366.00	1.3646	466.89	277.49	5.066	506.00	1.8673	641.12	381.96	5.469
368.00	1.3718	469.38	278.99	5.073	508.00	1.8745	643.61	383.45	5.474
370.00	1.3790	471.88	280.48	5.080	510.00	1.8816	646.10	384.94	5.479
372.00	1.3862	474.37	281.97	5.087	512.00	1.8888	648.58	386.43	5.484
374.00	1.3934	476.86	283.47	5.093	514.00	1.8960	651.07	387.92	5.489
376.00	1.4006	479.35	284.96	5.100	516.00	1.9031	653.56	389.41	5.494
378.00	1.4078	481.84	286.45	5.107	518.00	1.9103	656.04	390.90	5.499
380.00	1.4149	484.33	287.95	5.113	520.00	1.9175	658.53	392.39	5.503
382.00	1.4221	486.82	289.44	5.120	522.00	1.9247	661.02	393.89	5.508
384.00	1.4293	489.32	290.93	5.126	524.00	1.9318	663.50	395.38	5.513
386.00	1.4365	491.81	292.43	5.133	526.00	1.9390	665.99	396.87	5.518
388.00	1.4437	494.30	293.92	5.139	528.00	1.9462	668.48	398.36	5.522
390.00	1.4509	496.79	295.41	5.145	530.00	1.9533	670.96	399.85	5.527
392.00	1.4581	499.28	296.91	5.152	532.00	1.9605	673.45	401.34	5.532
394.00	1.4653	501.77	298.40	5.158	534.00	1.9677	675.93	402.83	5.536
396.00	1.4724	504.26	299.89	5.164	536.00	1.9749	678.42	404.32	5.541
398.00	1.4796	506.75	301.39	5.171	538.00	1.9820	680.91	405.81	5.546
400.00	1.4868	509.24	302.88	5.177	540.00	1.9892	683.39	407.30	5.550

800.00 PSIA ISOBAR

TEMPERATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.0836	15.16	2.78	.408
8.00	.0851	16.14	3.54	.541
10.00	.0870	17.20	4.32	.665
12.00	.0893	18.43	5.21	.785
14.00	.0921	19.86	6.23	.895
16.00	.0953	21.68	7.57	1.016
18.00	.0990	23.76	9.11	1.138
20.00	.1031	26.01	10.75	1.257
22.00	.1076	28.39	12.46	1.370
24.00	.1125	30.87	14.22	1.478
26.00	.1178	33.43	15.99	1.580
28.00	.1234	36.05	17.78	1.677
30.00	.1294	38.72	19.56	1.769
32.00	.1356	41.42	21.35	1.857
34.00	.1420	44.15	23.13	1.940
36.00	.1486	46.91	24.90	2.018
38.00	.1554	49.67	26.66	2.093
40.00	.1623	52.44	28.41	2.164
42.00	.1693	55.21	30.14	2.232
44.00	.1764	57.98	31.87	2.296
46.00	.1835	60.74	33.58	2.357
48.00	.1907	63.50	35.27	2.416
50.00	.1978	66.25	36.96	2.472
52.00	.2050	68.99	38.64	2.526
54.00	.2123	71.73	40.30	2.578
56.00	.2195	74.45	41.96	2.627
58.00	.2267	77.17	43.61	2.675
60.00	.2339	79.87	45.25	2.721
62.00	.2411	82.57	46.88	2.765
64.00	.2483	85.26	48.50	2.808
66.00	.2555	87.94	50.12	2.849
68.00	.2627	90.62	51.73	2.889
70.00	.2698	93.28	53.34	2.927
72.00	.2770	95.94	54.94	2.965
74.00	.2841	98.60	56.53	3.001
76.00	.2913	101.24	58.12	3.037
78.00	.2984	103.88	59.71	3.071
80.00	.3055	106.52	61.29	3.104
82.00	.3126	109.15	62.87	3.137
84.00	.3197	111.77	64.44	3.168
86.00	.3268	114.39	66.01	3.199
88.00	.3339	117.01	67.58	3.229
90.00	.3409	119.62	69.14	3.258
92.00	.3480	122.23	70.71	3.287
94.00	.3550	124.83	72.27	3.315
96.00	.3621	127.43	73.82	3.342
98.00	.3691	130.02	75.38	3.369
100.00	.3761	132.61	76.93	3.395
102.00	.3831	135.20	78.48	3.421
104.00	.3901	137.79	80.03	3.446
106.00	.3971	140.37	81.57	3.471
108.00	.4041	142.95	83.12	3.495
110.00	.4111	145.52	84.66	3.518
112.00	.4181	148.10	86.20	3.542
114.00	.4251	150.67	87.74	3.564
116.00	.4320	153.24	89.27	3.587
118.00	.4390	155.80	90.81	3.609
120.00	.4459	158.36	92.35	3.630
122.00	.4529	160.93	93.88	3.651
124.00	.4598	163.49	95.41	3.672
126.00	.4668	166.04	96.94	3.693
128.00	.4737	168.60	98.47	3.713
130.00	.4806	171.15	100.00	3.733
132.00	.4875	173.70	101.53	3.752
134.00	.4945	176.25	103.05	3.771
136.00	.5014	178.80	104.58	3.790
138.00	.5083	181.35	106.10	3.809
140.00	.5152	183.89	107.63	3.827
142.00	.5221	186.44	109.15	3.845
144.00	.5290	188.98	110.67	3.863
146.00	.5359	191.52	112.19	3.880
148.00	.5427	194.06	113.71	3.898
150.00	.5496	196.60	115.23	3.915
152.00	.5565	199.14	116.75	3.931
154.00	.5634	201.67	118.27	3.948
156.00	.5703	204.21	119.78	3.964
158.00	.5771	206.74	121.30	3.981
160.00	.5840	209.27	122.82	3.996
162.00	.5909	211.81	124.33	4.012
164.00	.5977	214.34	125.85	4.028
166.00	.6046	216.87	127.36	4.043
168.00	.6114	219.39	128.87	4.058
170.00	.6183	221.92	130.39	4.073
172.00	.6251	224.45	131.90	4.088
174.00	.6320	226.97	133.41	4.102
176.00	.6388	229.50	134.92	4.117
178.00	.6457	232.02	136.44	4.131
180.00	.6525	234.55	137.95	4.145
182.00	.6593	237.07	139.46	4.159
184.00	.6662	239.59	140.97	4.173
186.00	.6730	242.11	142.48	4.187
188.00	.6798	244.63	143.98	4.200
190.00	.6867	247.15	145.49	4.213
192.00	.6935	249.67	147.00	4.227
194.00	.7003	252.19	148.51	4.240
196.00	.7071	254.70	150.02	4.253
198.00	.7140	257.22	151.52	4.265
200.00	.7208	259.74	153.03	4.278
202.00	.7276	262.25	154.54	4.290
204.00	.7344	264.77	156.04	4.303
206.00	.7412	267.28	157.55	4.315
208.00	.7480	269.80	159.05	4.327
210.00	.7548	272.31	160.56	4.339
212.00	.7616	274.82	162.06	4.351
214.00	.7684	277.33	163.57	4.363
216.00	.7753	279.85	165.07	4.375
218.00	.7821	282.36	166.58	4.386
220.00	.7889	284.87	168.08	4.398
222.00	.7957	287.38	169.58	4.409
224.00	.8025	289.89	171.09	4.420
226.00	.8093	292.40	172.59	4.432
228.00	.8161	294.91	174.09	4.443
230.00	.8228	297.42	175.60	4.454
232.00	.8296	299.92	177.10	4.464
234.00	.8364	302.43	178.60	4.475
236.00	.8432	304.94	180.10	4.486
238.00	.8500	307.45	181.60	4.496
240.00	.8568	309.95	183.11	4.507
242.00	.8636	312.46	184.61	4.517
244.00	.8704	314.96	186.11	4.528
246.00	.8772	317.47	187.61	4.538
248.00	.8839	319.97	189.11	4.548
250.00	.8907	322.48	190.61	4.558
252.00	.8975	324.98	192.11	4.568
254.00	.9043	327.49	193.61	4.578
256.00	.9111	329.99	195.11	4.588
258.00	.9179	332.49	196.61	4.597
260.00	.9246	335.00	198.11	4.607

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	.9314	337.50	199.61	4.617	402.00	1.4042	512.19	304.31	5.151
264.00	.9382	340.00	201.11	4.626	404.00	1.4109	514.68	305.80	5.157
266.00	.9450	342.51	202.61	4.636	406.00	1.4177	517.17	307.30	5.163
268.00	.9517	345.01	204.11	4.645	408.00	1.4244	519.66	308.79	5.169
270.00	.9585	347.51	205.61	4.654	410.00	1.4311	522.15	310.28	5.176
272.00	.9653	350.01	207.10	4.664	412.00	1.4379	524.64	311.77	5.182
274.00	.9720	352.51	208.60	4.673	414.00	1.4446	527.13	313.27	5.188
276.00	.9788	355.01	210.10	4.682	416.00	1.4513	529.62	314.76	5.194
278.00	.9856	357.51	211.60	4.691	418.00	1.4581	532.11	316.25	5.200
280.00	.9924	360.01	213.10	4.700	420.00	1.4648	534.60	317.75	5.206
282.00	.9991	362.51	214.60	4.709	422.00	1.4715	537.09	319.24	5.211
284.00	1.0059	365.01	216.09	4.718	424.00	1.4783	539.58	320.73	5.217
286.00	1.0127	367.51	217.59	4.726	426.00	1.4850	542.07	322.22	5.223
288.00	1.0194	370.01	219.09	4.735	428.00	1.4917	544.56	323.72	5.229
290.00	1.0262	372.51	220.59	4.744	430.00	1.4985	547.05	325.21	5.235
292.00	1.0330	375.01	222.08	4.752	432.00	1.5052	549.54	326.70	5.241
294.00	1.0397	377.51	223.58	4.761	434.00	1.5119	552.03	328.19	5.246
296.00	1.0465	380.01	225.08	4.769	436.00	1.5187	554.52	329.69	5.252
298.00	1.0532	382.51	226.58	4.778	438.00	1.5254	557.01	331.18	5.258
300.00	1.0600	385.00	228.07	4.786	440.00	1.5321	559.50	332.67	5.263
302.00	1.0668	387.50	229.57	4.794	442.00	1.5389	561.99	334.16	5.269
304.00	1.0735	390.00	231.07	4.803	444.00	1.5456	564.48	335.66	5.275
306.00	1.0803	392.50	232.56	4.811	446.00	1.5523	566.97	337.15	5.280
308.00	1.0871	394.99	234.06	4.819	448.00	1.5591	569.46	338.64	5.286
310.00	1.0938	397.49	235.56	4.827	450.00	1.5658	571.95	340.13	5.291
312.00	1.1006	399.99	237.05	4.835	452.00	1.5725	574.43	341.63	5.297
314.00	1.1073	402.48	238.55	4.843	454.00	1.5793	576.92	343.12	5.302
316.00	1.1141	404.98	240.05	4.851	456.00	1.5860	579.41	344.61	5.308
318.00	1.1208	407.48	241.54	4.859	458.00	1.5927	581.90	346.10	5.313
320.00	1.1276	409.97	243.04	4.867	460.00	1.5995	584.39	347.59	5.319
322.00	1.1343	412.47	244.53	4.874	462.00	1.6062	586.88	349.09	5.324
324.00	1.1411	414.96	246.03	4.882	464.00	1.6129	589.37	350.58	5.330
326.00	1.1479	417.46	247.52	4.890	466.00	1.6197	591.85	352.07	5.335
328.00	1.1546	419.96	249.02	4.897	468.00	1.6264	594.34	353.56	5.340
330.00	1.1614	422.45	250.52	4.905	470.00	1.6331	596.83	355.05	5.346
332.00	1.1681	424.95	252.01	4.913	472.00	1.6398	599.32	356.55	5.351
334.00	1.1749	427.44	253.51	4.920	474.00	1.6466	601.81	358.04	5.356
336.00	1.1816	429.94	255.00	4.927	476.00	1.6533	604.30	359.53	5.361
338.00	1.1884	432.43	256.50	4.935	478.00	1.6600	606.78	361.02	5.367
340.00	1.1951	434.93	257.99	4.942	480.00	1.6668	609.27	362.51	5.372
342.00	1.2019	437.42	259.49	4.950	482.00	1.6735	611.76	364.01	5.377
344.00	1.2086	439.91	260.98	4.957	484.00	1.6802	614.25	365.50	5.382
346.00	1.2154	442.41	262.48	4.964	486.00	1.6869	616.73	366.99	5.387
348.00	1.2221	444.90	263.97	4.971	488.00	1.6937	619.22	368.48	5.392
350.00	1.2289	447.40	265.47	4.978	490.00	1.7004	621.71	369.97	5.397
352.00	1.2356	449.89	266.96	4.985	492.00	1.7071	624.20	371.46	5.402
354.00	1.2424	452.38	268.46	4.993	494.00	1.7139	626.68	372.96	5.407
356.00	1.2491	454.88	269.95	5.000	496.00	1.7206	629.17	374.45	5.412
358.00	1.2559	457.37	271.45	5.007	498.00	1.7273	631.66	375.94	5.417
360.00	1.2626	459.86	272.94	5.013	500.00	1.7340	634.15	377.43	5.422
362.00	1.2693	462.36	274.43	5.020	502.00	1.7408	636.63	378.92	5.427
364.00	1.2761	464.85	275.93	5.027	504.00	1.7475	639.12	380.41	5.432
366.00	1.2828	467.34	277.42	5.034	506.00	1.7542	641.61	381.90	5.437
368.00	1.2896	469.83	278.92	5.041	508.00	1.7609	644.10	383.40	5.442
370.00	1.2963	472.33	280.41	5.048	510.00	1.7677	646.58	384.89	5.447
372.00	1.3031	474.82	281.90	5.054	512.00	1.7744	649.07	386.38	5.452
374.00	1.3098	477.31	283.40	5.061	514.00	1.7811	651.56	387.87	5.457
376.00	1.3166	479.80	284.89	5.068	516.00	1.7878	654.04	389.36	5.462
378.00	1.3233	482.30	286.39	5.074	518.00	1.7946	656.53	390.85	5.466
380.00	1.3300	484.79	287.88	5.081	520.00	1.8013	659.02	392.34	5.471
382.00	1.3368	487.28	289.37	5.087	522.00	1.8080	661.51	393.83	5.476
384.00	1.3435	489.77	290.87	5.094	524.00	1.8147	663.99	395.33	5.481
386.00	1.3503	492.26	292.36	5.100	526.00	1.8215	666.48	396.82	5.486
388.00	1.3570	494.75	293.85	5.107	528.00	1.8282	668.97	398.31	5.490
390.00	1.3637	497.25	295.35	5.113	530.00	1.8349	671.45	399.80	5.495
392.00	1.3705	499.74	296.84	5.120	532.00	1.8416	673.94	401.29	5.500
394.00	1.3772	502.23	298.34	5.126	534.00	1.8484	676.43	402.78	5.504
396.00	1.3840	504.72	299.83	5.132	536.00	1.8551	678.91	404.27	5.509
398.00	1.3907	507.21	301.32	5.139	538.00	1.8618	681.40	405.76	5.514
400.00	1.3974	509.70	302.82	5.145	540.00	1.8685	683.88	407.25	5.518

850.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.0828	15.89	2.86	.402
8.00	.0843	16.86	3.60	.533
10.00	.0861	17.91	4.37	.656
12.00	.0883	19.12	5.23	.774
14.00	.0909	20.52	6.22	.881
16.00	.0939	22.31	7.54	1.001
18.00	.0973	24.36	9.05	1.121
20.00	.1011	26.57	10.67	1.238
22.00	.1053	28.92	12.36	1.349
24.00	.1098	31.36	14.09	1.455
26.00	.1147	33.87	15.84	1.556
28.00	.1198	36.45	17.60	1.652
30.00	.1253	39.08	19.37	1.742
32.00	.1310	41.75	21.15	1.829
34.00	.1370	44.46	22.91	1.911
36.00	.1431	47.18	24.67	1.988
38.00	.1494	49.92	26.43	2.062
40.00	.1558	52.67	28.17	2.133
42.00	.1623	55.43	29.90	2.200
44.00	.1689	58.18	31.62	2.264
46.00	.1755	60.94	33.33	2.326
48.00	.1822	63.69	35.03	2.384
50.00	.1889	66.43	36.71	2.440
52.00	.1957	69.17	38.39	2.494
54.00	.2024	71.90	40.06	2.545
56.00	.2092	74.62	41.72	2.595
58.00	.2160	77.34	43.37	2.642
60.00	.2227	80.05	45.01	2.688
62.00	.2295	82.74	46.64	2.733
64.00	.2363	85.44	48.27	2.775
66.00	.2430	88.12	49.89	2.817
68.00	.2498	90.80	51.50	2.857
70.00	.2566	93.47	53.11	2.895
72.00	.2633	96.13	54.71	2.933
74.00	.2700	98.79	56.31	2.969
76.00	.2767	101.44	57.91	3.005
78.00	.2835	104.08	59.49	3.039
80.00	.2902	106.72	61.08	3.072
82.00	.2968	109.35	62.66	3.105
84.00	.3035	111.98	64.24	3.136
86.00	.3102	114.61	65.81	3.167
88.00	.3169	117.23	67.38	3.197
90.00	.3235	119.84	68.95	3.227
92.00	.3302	122.45	70.51	3.255
94.00	.3368	125.06	72.08	3.284
96.00	.3434	127.66	73.63	3.311
98.00	.3501	130.26	75.19	3.338
100.00	.3567	132.85	76.74	3.364
102.00	.3633	135.44	78.30	3.390
104.00	.3699	138.03	79.85	3.415
106.00	.3765	140.62	81.39	3.439
108.00	.3831	143.20	82.94	3.463
110.00	.3897	145.78	84.49	3.487
112.00	.3962	148.35	86.03	3.510
114.00	.4028	150.93	87.57	3.533
116.00	.4094	153.50	89.11	3.555
118.00	.4159	156.07	90.65	3.577
120.00	.4225	158.64	92.18	3.599
122.00	.4290	161.20	93.72	3.620
124.00	.4356	163.76	95.25	3.641
126.00	.4421	166.32	96.78	3.662
128.00	.4486	168.88	98.31	3.682
130.00	.4551	171.44	99.84	3.701
132.00	.4617	173.99	101.37	3.721
134.00	.4682	176.55	102.90	3.740
136.00	.4747	179.10	104.43	3.759
138.00	.4812	181.65	105.95	3.778
140.00	.4877	184.19	107.48	3.796
142.00	.4942	186.74	109.00	3.814
144.00	.5007	189.29	110.53	3.832
146.00	.5072	191.83	112.05	3.849
148.00	.5137	194.37	113.57	3.867
150.00	.5202	196.91	115.09	3.884
152.00	.5266	199.45	116.61	3.901
154.00	.5331	201.99	118.13	3.917
156.00	.5396	204.53	119.65	3.934
158.00	.5461	207.06	121.17	3.950
160.00	.5525	209.60	122.68	3.966
162.00	.5590	212.13	124.20	3.981
164.00	.5655	214.66	125.72	3.997
166.00	.5719	217.20	127.23	4.012
168.00	.5784	219.73	128.75	4.027
170.00	.5848	222.26	130.26	4.042
172.00	.5913	224.78	131.77	4.057
174.00	.5977	227.31	133.29	4.072
176.00	.6042	229.84	134.80	4.086
178.00	.6106	232.36	136.31	4.100
180.00	.6171	234.89	137.82	4.115
182.00	.6235	237.41	139.33	4.129
184.00	.6300	239.94	140.85	4.142
186.00	.6364	242.46	142.36	4.156
188.00	.6428	244.98	143.87	4.169
190.00	.6493	247.50	145.38	4.183
192.00	.6557	250.02	146.88	4.196
194.00	.6621	252.54	148.39	4.209
196.00	.6685	255.06	149.90	4.222
198.00	.6750	257.58	151.41	4.235
200.00	.6814	260.10	152.92	4.247
202.00	.6878	262.62	154.42	4.260
204.00	.6942	265.13	155.93	4.272
206.00	.7006	267.65	157.44	4.285
208.00	.7071	270.16	158.94	4.297
210.00	.7135	272.68	160.45	4.309
212.00	.7199	275.19	161.96	4.321
214.00	.7263	277.71	163.46	4.332
216.00	.7327	280.22	164.97	4.344
218.00	.7391	282.73	166.47	4.356
220.00	.7455	285.25	167.98	4.367
222.00	.7519	287.76	169.48	4.379
224.00	.7583	290.27	170.98	4.390
226.00	.7647	292.78	172.49	4.401
228.00	.7711	295.29	173.99	4.412
230.00	.7775	297.80	175.49	4.423
232.00	.7839	300.31	177.00	4.434
234.00	.7903	302.82	178.50	4.445
236.00	.7967	305.33	180.00	4.455
238.00	.8031	307.84	181.51	4.466
240.00	.8095	310.34	183.01	4.476
242.00	.8159	312.85	184.51	4.487
244.00	.8223	315.36	186.01	4.497
246.00	.8287	317.86	187.51	4.507
248.00	.8351	320.37	189.01	4.518
250.00	.8415	322.88	190.51	4.528
252.00	.8479	325.38	192.02	4.538
254.00	.8542	327.89	193.52	4.547
256.00	.8606	330.39	195.02	4.557
258.00	.8670	332.90	196.52	4.567
260.00	.8734	335.40	198.02	4.577

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	.8798	337.90	199.52	4.586	402.00	1.3249	512.65	304.24	5.121
264.00	.8862	340.41	201.02	4.596	404.00	1.3313	515.14	305.74	5.127
266.00	.8925	342.91	202.52	4.605	406.00	1.3376	517.64	307.23	5.133
268.00	.8989	345.41	204.02	4.615	408.00	1.3439	520.13	308.73	5.139
270.00	.9053	347.92	205.52	4.624	410.00	1.3503	522.62	310.22	5.145
272.00	.9117	350.42	207.02	4.633	412.00	1.3566	525.11	311.71	5.151
274.00	.9180	352.92	208.51	4.642	414.00	1.3630	527.60	313.20	5.157
276.00	.9244	355.42	210.01	4.651	416.00	1.3693	530.09	314.70	5.163
278.00	.9308	357.93	211.51	4.660	418.00	1.3757	532.58	316.19	5.169
280.00	.9372	360.43	213.01	4.669	420.00	1.3820	535.07	317.68	5.175
282.00	.9435	362.93	214.51	4.678	422.00	1.3883	537.56	319.18	5.181
284.00	.9499	365.43	216.01	4.687	424.00	1.3947	540.05	320.67	5.187
286.00	.9563	367.93	217.51	4.696	426.00	1.4010	542.54	322.16	5.193
288.00	.9627	370.43	219.00	4.705	428.00	1.4074	545.03	323.66	5.199
290.00	.9690	372.93	220.50	4.713	430.00	1.4137	547.52	325.15	5.205
292.00	.9754	375.43	222.00	4.722	432.00	1.4200	550.01	326.64	5.210
294.00	.9818	377.93	223.50	4.730	434.00	1.4264	552.50	328.13	5.216
296.00	.9881	380.43	225.00	4.739	436.00	1.4327	554.99	329.63	5.222
298.00	.9945	382.93	226.49	4.747	438.00	1.4391	557.48	331.12	5.228
300.00	1.0009	385.43	227.99	4.756	440.00	1.4454	559.97	332.61	5.233
302.00	1.0072	387.93	229.49	4.764	442.00	1.4517	562.46	334.11	5.239
304.00	1.0136	390.42	230.99	4.772	444.00	1.4581	564.95	335.60	5.244
306.00	1.0200	392.92	232.48	4.780	446.00	1.4644	567.44	337.09	5.250
308.00	1.0263	395.42	233.98	4.789	448.00	1.4707	569.93	338.58	5.256
310.00	1.0327	397.92	235.48	4.797	450.00	1.4771	572.42	340.08	5.261
312.00	1.0391	400.42	236.97	4.805	452.00	1.4834	574.91	341.57	5.267
314.00	1.0454	402.91	238.47	4.813	454.00	1.4898	577.40	343.06	5.272
316.00	1.0518	405.41	239.97	4.821	456.00	1.4961	579.89	344.55	5.278
318.00	1.0581	407.91	241.46	4.828	458.00	1.5024	582.38	346.05	5.283
320.00	1.0645	410.41	242.96	4.836	460.00	1.5088	584.86	347.54	5.289
322.00	1.0709	412.90	244.46	4.844	462.00	1.5151	587.35	349.03	5.294
324.00	1.0772	415.40	245.95	4.852	464.00	1.5214	589.84	350.52	5.299
326.00	1.0836	417.90	247.45	4.859	466.00	1.5278	592.33	352.01	5.305
328.00	1.0899	420.39	248.94	4.867	468.00	1.5341	594.82	353.51	5.310
330.00	1.0963	422.89	250.44	4.875	470.00	1.5404	597.31	355.00	5.315
332.00	1.1027	425.38	251.94	4.882	472.00	1.5468	599.80	356.49	5.321
334.00	1.1090	427.88	253.43	4.890	474.00	1.5531	602.29	357.98	5.326
336.00	1.1154	430.38	254.93	4.897	476.00	1.5594	604.77	359.47	5.331
338.00	1.1217	432.87	256.42	4.905	478.00	1.5658	607.26	360.97	5.336
340.00	1.1281	435.37	257.92	4.912	480.00	1.5721	609.75	362.46	5.342
342.00	1.1344	437.86	259.41	4.919	482.00	1.5785	612.24	363.95	5.347
344.00	1.1408	440.36	260.91	4.927	484.00	1.5848	614.73	365.44	5.352
346.00	1.1472	442.85	262.40	4.934	486.00	1.5911	617.22	366.93	5.357
348.00	1.1535	445.35	263.90	4.941	488.00	1.5975	619.70	368.43	5.362
350.00	1.1599	447.84	265.39	4.948	490.00	1.6038	622.19	369.92	5.367
352.00	1.1662	450.33	266.89	4.955	492.00	1.6101	624.68	371.41	5.372
354.00	1.1726	452.83	268.38	4.962	494.00	1.6165	627.17	372.90	5.377
356.00	1.1789	455.32	269.88	4.969	496.00	1.6228	629.66	374.39	5.382
358.00	1.1853	457.82	271.37	4.976	498.00	1.6291	632.14	375.89	5.387
360.00	1.1916	460.31	272.87	4.983	500.00	1.6354	634.63	377.38	5.392
362.00	1.1980	462.80	274.36	4.990	502.00	1.6418	637.12	378.87	5.397
364.00	1.2043	465.30	275.86	4.997	504.00	1.6481	639.61	380.36	5.402
366.00	1.2107	467.79	277.35	5.004	506.00	1.6544	642.09	381.85	5.407
368.00	1.2170	470.28	278.85	5.011	508.00	1.6608	644.58	383.34	5.412
370.00	1.2234	472.78	280.34	5.017	510.00	1.6671	647.07	384.83	5.417
372.00	1.2297	475.27	281.84	5.024	512.00	1.6734	649.56	386.33	5.422
374.00	1.2361	477.76	283.33	5.031	514.00	1.6798	652.04	387.82	5.427
376.00	1.2424	480.26	284.82	5.037	516.00	1.6861	654.53	389.31	5.431
378.00	1.2488	482.75	286.32	5.044	518.00	1.6924	657.02	390.80	5.436
380.00	1.2551	485.24	287.81	5.051	520.00	1.6988	659.51	392.29	5.441
382.00	1.2615	487.73	289.31	5.057	522.00	1.7051	661.99	393.78	5.446
384.00	1.2678	490.23	290.80	5.064	524.00	1.7114	664.48	395.28	5.451
386.00	1.2742	492.72	292.30	5.070	526.00	1.7178	666.97	396.77	5.455
388.00	1.2805	495.21	293.79	5.077	528.00	1.7241	669.46	398.26	5.460
390.00	1.2868	497.70	295.28	5.083	530.00	1.7304	671.94	399.75	5.465
392.00	1.2932	500.19	296.78	5.089	532.00	1.7367	674.43	401.24	5.469
394.00	1.2995	502.69	298.27	5.096	534.00	1.7431	676.92	402.73	5.474
396.00	1.3059	505.18	299.76	5.102	536.00	1.7494	679.40	404.22	5.479
398.00	1.3122	507.67	301.26	5.108	538.00	1.7557	681.89	405.71	5.483
400.00	1.3186	510.16	302.75	5.115	540.00	1.7621	684.38	407.21	5.488

900.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.0821	16.61	2.94	.396
8.00	.0835	17.58	3.67	.526
10.00	.0852	18.61	4.42	.647
12.00	.0873	19.80	5.26	.763
14.00	.0897	21.18	6.23	.869
16.00	.0926	22.94	7.53	.986
18.00	.0958	24.96	9.01	1.105
20.00	.0993	27.14	10.61	1.220
22.00	.1032	29.45	12.27	1.330
24.00	.1074	31.86	13.97	1.435
26.00	.1119	34.34	15.71	1.534
28.00	.1167	36.88	17.45	1.628
30.00	.1217	39.48	19.21	1.718
32.00	.1270	42.12	20.96	1.803
34.00	.1325	44.79	22.72	1.884
36.00	.1382	47.49	24.47	1.961
38.00	.1440	50.20	26.21	2.034
40.00	.1500	52.93	27.95	2.104
42.00	.1561	55.67	29.67	2.171
44.00	.1622	58.41	31.39	2.235
46.00	.1685	61.15	33.10	2.296
48.00	.1747	63.89	34.79	2.354
50.00	.1810	66.63	36.48	2.410
52.00	.1874	69.36	38.16	2.463
54.00	.1937	72.09	39.82	2.515
56.00	.2001	74.81	41.48	2.564
58.00	.2065	77.53	43.14	2.612
60.00	.2129	80.23	44.78	2.658
62.00	.2193	82.93	46.42	2.702
64.00	.2256	85.63	48.05	2.745
66.00	.2320	88.31	49.67	2.786
68.00	.2384	90.99	51.29	2.826
70.00	.2448	93.66	52.90	2.865
72.00	.2511	96.33	54.50	2.902
74.00	.2575	98.99	56.10	2.939
76.00	.2638	101.64	57.70	2.974
78.00	.2702	104.29	59.29	3.009
80.00	.2765	106.93	60.88	3.042
82.00	.2828	109.57	62.46	3.075
84.00	.2892	112.20	64.04	3.106
86.00	.2955	114.83	65.62	3.137
88.00	.3018	117.45	67.19	3.167
90.00	.3081	120.07	68.76	3.197
92.00	.3143	122.68	70.33	3.226
94.00	.3206	125.29	71.89	3.254
96.00	.3269	127.90	73.45	3.281
98.00	.3332	130.50	75.01	3.308
100.00	.3394	133.10	76.57	3.334
102.00	.3457	135.69	78.12	3.360
104.00	.3519	138.28	79.67	3.385
106.00	.3581	140.87	81.22	3.410
108.00	.3644	143.46	82.77	3.434
110.00	.3706	146.04	84.32	3.458
112.00	.3768	148.62	85.86	3.481
114.00	.3830	151.20	87.40	3.504
116.00	.3892	153.77	88.94	3.526
118.00	.3954	156.34	90.48	3.548
120.00	.4016	158.91	92.02	3.570
122.00	.4078	161.48	93.56	3.591
124.00	.4140	164.04	95.09	3.612
126.00	.4202	166.61	96.63	3.632
128.00	.4263	169.17	98.16	3.652
130.00	.4325	171.73	99.69	3.672
132.00	.4387	174.29	101.22	3.692
134.00	.4448	176.84	102.75	3.711
136.00	.4510	179.40	104.28	3.730
138.00	.4571	181.95	105.81	3.748
140.00	.4633	184.50	107.33	3.767
142.00	.4694	187.05	108.86	3.785
144.00	.4756	189.59	110.38	3.803
146.00	.4817	192.14	111.91	3.820
148.00	.4879	194.68	113.43	3.838
150.00	.4940	197.23	114.95	3.855
152.00	.5001	199.77	116.47	3.871
154.00	.5062	202.31	118.00	3.888
156.00	.5124	204.85	119.51	3.904
158.00	.5185	207.39	121.03	3.921
160.00	.5246	209.92	122.55	3.937
162.00	.5307	212.46	124.07	3.952
164.00	.5368	214.99	125.59	3.968
166.00	.5429	217.53	127.10	3.983
168.00	.5490	220.06	128.62	3.998
170.00	.5551	222.59	130.13	4.013
172.00	.5612	225.12	131.65	4.028
174.00	.5673	227.65	133.16	4.043
176.00	.5734	230.18	134.68	4.057
178.00	.5795	232.71	136.19	4.071
180.00	.5856	235.24	137.70	4.086
182.00	.5917	237.76	139.22	4.100
184.00	.5978	240.29	140.73	4.113
186.00	.6039	242.81	142.24	4.127
188.00	.6099	245.34	143.75	4.140
190.00	.6160	247.86	145.26	4.154
192.00	.6221	250.38	146.77	4.167
194.00	.6282	252.90	148.28	4.180
196.00	.6342	255.42	149.79	4.193
198.00	.6403	257.94	151.30	4.206
200.00	.6464	260.46	152.81	4.219
202.00	.6525	262.98	154.31	4.231
204.00	.6585	265.50	155.82	4.243
206.00	.6646	268.02	157.33	4.256
208.00	.6707	270.54	158.84	4.268
210.00	.6767	273.05	160.34	4.280
212.00	.6828	275.57	161.85	4.292
214.00	.6888	278.08	163.36	4.304
216.00	.6949	280.60	164.86	4.315
218.00	.7009	283.11	166.37	4.327
220.00	.7070	285.63	167.87	4.338
222.00	.7131	288.14	169.38	4.350
224.00	.7191	290.65	170.88	4.361
226.00	.7252	293.16	172.39	4.372
228.00	.7312	295.67	173.89	4.383
230.00	.7373	298.19	175.39	4.394
232.00	.7433	300.70	176.90	4.405
234.00	.7493	303.21	178.40	4.416
236.00	.7554	305.72	179.90	4.427
238.00	.7614	308.23	181.41	4.437
240.00	.7675	310.74	182.91	4.448
242.00	.7735	313.24	184.41	4.458
244.00	.7796	315.75	185.92	4.468
246.00	.7856	318.26	187.42	4.479
248.00	.7916	320.77	188.92	4.489
250.00	.7977	323.28	190.42	4.499
252.00	.8037	325.78	191.92	4.509
254.00	.8097	328.29	193.42	4.519
256.00	.8158	330.79	194.93	4.529
258.00	.8218	333.30	196.43	4.538
260.00	.8278	335.81	197.93	4.548

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	.8339	338.31	199.43	4.558	402.00	1.2545	513.11	304.18	5.092
264.00	.8399	340.82	200.93	4.567	404.00	1.2604	515.61	305.68	5.098
266.00	.8459	343.32	202.43	4.577	406.00	1.2664	518.10	307.17	5.105
268.00	.8520	345.82	203.93	4.586	408.00	1.2724	520.59	308.66	5.111
270.00	.8580	348.33	205.43	4.595	410.00	1.2784	523.08	310.16	5.117
272.00	.8640	350.83	206.93	4.604	412.00	1.2844	525.57	311.65	5.123
274.00	.8700	353.33	208.43	4.614	414.00	1.2904	528.06	313.14	5.129
276.00	.8761	355.84	209.93	4.623	416.00	1.2964	530.55	314.64	5.135
278.00	.8821	358.34	211.43	4.632	418.00	1.3024	533.05	316.13	5.141
280.00	.8881	360.84	212.93	4.641	420.00	1.3084	535.54	317.62	5.147
282.00	.8941	363.34	214.42	4.650	422.00	1.3144	538.03	319.12	5.153
284.00	.9002	365.85	215.92	4.659	424.00	1.3204	540.52	320.61	5.159
286.00	.9062	368.35	217.42	4.667	426.00	1.3264	543.01	322.10	5.164
288.00	.9122	370.85	218.92	4.676	428.00	1.3323	545.50	323.60	5.170
290.00	.9182	373.35	220.42	4.685	430.00	1.3383	547.99	325.09	5.176
292.00	.9242	375.85	221.92	4.693	432.00	1.3443	550.48	326.58	5.182
294.00	.9303	378.35	223.42	4.702	434.00	1.3503	552.97	328.08	5.188
296.00	.9363	380.85	224.91	4.710	436.00	1.3563	555.46	329.57	5.193
298.00	.9423	383.35	226.41	4.719	438.00	1.3623	557.95	331.06	5.199
300.00	.9483	385.85	227.91	4.727	440.00	1.3683	560.44	332.55	5.205
302.00	.9543	388.35	229.41	4.735	442.00	1.3743	562.93	334.05	5.210
304.00	.9603	390.85	230.91	4.744	444.00	1.3802	565.42	335.54	5.216
306.00	.9663	393.35	232.40	4.752	446.00	1.3862	567.91	337.03	5.222
308.00	.9724	395.85	233.90	4.760	448.00	1.3922	570.40	338.53	5.227
310.00	.9784	398.35	235.40	4.768	450.00	1.3982	572.89	340.02	5.233
312.00	.9844	400.85	236.90	4.776	452.00	1.4042	575.38	341.51	5.238
314.00	.9904	403.34	238.39	4.784	454.00	1.4102	577.87	343.00	5.244
316.00	.9964	405.84	239.89	4.792	456.00	1.4162	580.36	344.50	5.249
318.00	1.0024	408.34	241.39	4.800	458.00	1.4222	582.85	345.99	5.255
320.00	1.0084	410.84	242.88	4.808	460.00	1.4281	585.34	347.48	5.260
322.00	1.0144	413.34	244.38	4.815	462.00	1.4341	587.83	348.97	5.265
324.00	1.0204	415.83	245.88	4.823	464.00	1.4401	590.32	350.47	5.271
326.00	1.0265	418.33	247.37	4.831	466.00	1.4461	592.81	351.96	5.276
328.00	1.0325	420.83	248.87	4.839	468.00	1.4521	595.30	353.45	5.282
330.00	1.0385	423.33	250.37	4.846	470.00	1.4581	597.79	354.94	5.287
332.00	1.0445	425.82	251.86	4.854	472.00	1.4641	600.28	356.44	5.292
334.00	1.0505	428.32	253.36	4.861	474.00	1.4700	602.77	357.93	5.297
336.00	1.0565	430.81	254.85	4.869	476.00	1.4760	605.25	359.42	5.303
338.00	1.0625	433.31	256.35	4.876	478.00	1.4820	607.74	360.91	5.308
340.00	1.0685	435.81	257.85	4.883	480.00	1.4880	610.23	362.40	5.313
342.00	1.0745	438.30	259.34	4.891	482.00	1.4940	612.72	363.90	5.318
344.00	1.0805	440.80	260.84	4.898	484.00	1.5000	615.21	365.39	5.323
346.00	1.0865	443.29	262.33	4.905	486.00	1.5059	617.70	366.88	5.328
348.00	1.0925	445.79	263.83	4.912	488.00	1.5119	620.19	368.37	5.334
350.00	1.0985	448.28	265.32	4.920	490.00	1.5179	622.67	369.86	5.339
352.00	1.1045	450.78	266.82	4.927	492.00	1.5239	625.16	371.36	5.344
354.00	1.1105	453.27	268.31	4.934	494.00	1.5299	627.65	372.85	5.349
356.00	1.1165	455.77	269.81	4.941	496.00	1.5359	630.14	374.34	5.354
358.00	1.1225	458.26	271.30	4.948	498.00	1.5418	632.63	375.83	5.359
360.00	1.1285	460.76	272.80	4.955	500.00	1.5478	635.12	377.32	5.364
362.00	1.1345	463.25	274.29	4.962	502.00	1.5538	637.60	378.82	5.369
364.00	1.1405	465.75	275.79	4.968	504.00	1.5598	640.09	380.31	5.374
366.00	1.1465	468.24	277.28	4.975	506.00	1.5658	642.58	381.80	5.379
368.00	1.1525	470.74	278.78	4.982	508.00	1.5717	645.07	383.29	5.384
370.00	1.1585	473.23	280.27	4.989	510.00	1.5777	647.56	384.78	5.388
372.00	1.1645	475.72	281.77	4.996	512.00	1.5837	650.04	386.28	5.393
374.00	1.1705	478.22	283.26	5.002	514.00	1.5897	652.53	387.77	5.398
376.00	1.1765	480.71	284.76	5.009	516.00	1.5957	655.02	389.26	5.403
378.00	1.1825	483.20	286.25	5.016	518.00	1.6016	657.51	390.75	5.408
380.00	1.1885	485.70	287.75	5.022	520.00	1.6076	659.99	392.24	5.413
382.00	1.1945	488.19	289.24	5.029	522.00	1.6136	662.48	393.73	5.417
384.00	1.2005	490.68	290.74	5.035	524.00	1.6196	664.97	395.22	5.422
386.00	1.2065	493.17	292.23	5.042	526.00	1.6256	667.46	396.72	5.427
388.00	1.2125	495.67	293.72	5.048	528.00	1.6315	669.94	398.21	5.432
390.00	1.2185	498.16	295.22	5.054	530.00	1.6375	672.43	399.70	5.436
392.00	1.2245	500.65	296.71	5.061	532.00	1.6435	674.92	401.19	5.441
394.00	1.2305	503.15	298.21	5.067	534.00	1.6495	677.41	402.68	5.446
396.00	1.2365	505.64	299.70	5.073	536.00	1.6555	679.89	404.17	5.450
398.00	1.2425	508.13	301.19	5.080	538.00	1.6614	682.38	405.67	5.455
400.00	1.2485	510.62	302.69	5.086	540.00	1.6674	684.87	407.16	5.460

1000.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
6.00	.0808	18.05	3.09	.384
8.00	.0821	19.01	3.81	.512
10.00	.0837	20.01	4.53	.630
12.00	.0855	21.16	5.33	.743
14.00	.0877	22.50	6.26	.845
16.00	.0902	24.22	7.51	.960
18.00	.0931	26.18	8.96	1.076
20.00	.0962	28.31	10.51	1.188
22.00	.0996	30.56	12.13	1.295
24.00	.1033	32.90	13.80	1.397
26.00	.1072	35.32	15.49	1.494
28.00	.1113	37.80	17.20	1.586
30.00	.1157	40.34	18.92	1.673
32.00	.1203	42.91	20.65	1.756
34.00	.1251	45.53	22.38	1.835
36.00	.1300	48.17	24.11	1.911
38.00	.1351	50.84	25.83	1.983
40.00	.1404	53.53	27.55	2.052
42.00	.1457	56.23	29.27	2.118
44.00	.1511	58.94	30.97	2.181
46.00	.1566	61.66	32.67	2.241
48.00	.1622	64.38	34.37	2.299
50.00	.1678	67.10	36.05	2.355
52.00	.1734	69.82	37.73	2.408
54.00	.1791	72.53	39.40	2.459
56.00	.1848	75.25	41.06	2.509
58.00	.1905	77.96	42.71	2.556
60.00	.1962	80.66	44.36	2.602
62.00	.2019	83.36	45.99	2.646
64.00	.2076	86.05	47.63	2.689
66.00	.2134	88.74	49.25	2.730
68.00	.2191	91.42	50.87	2.770
70.00	.2248	94.09	52.49	2.809
72.00	.2305	96.76	54.10	2.847
74.00	.2363	99.42	55.70	2.883
76.00	.2420	102.08	57.30	2.919
78.00	.2477	104.74	58.90	2.953
80.00	.2534	107.38	60.49	2.987
82.00	.2591	110.02	62.08	3.019
84.00	.2648	112.66	63.66	3.051
86.00	.2705	115.29	65.24	3.082
88.00	.2761	117.92	66.82	3.112
90.00	.2818	120.55	68.40	3.142
92.00	.2875	123.17	69.97	3.170
94.00	.2931	125.78	71.53	3.199
96.00	.2988	128.39	73.10	3.226
98.00	.3044	131.00	74.66	3.253
100.00	.3101	133.60	76.22	3.279
102.00	.3157	136.21	77.78	3.305
104.00	.3213	138.80	79.34	3.330
106.00	.3270	141.40	80.89	3.355
108.00	.3326	143.99	82.44	3.379
110.00	.3382	146.58	83.99	3.403
112.00	.3438	149.16	85.54	3.426
114.00	.3494	151.75	87.09	3.449
116.00	.3550	154.33	88.63	3.471
118.00	.3606	156.90	90.17	3.494
120.00	.3662	159.48	91.71	3.515
122.00	.3718	162.05	93.25	3.536
124.00	.3773	164.62	94.79	3.557
126.00	.3829	167.19	96.33	3.578
128.00	.3885	169.76	97.87	3.598
130.00	.3940	172.32	99.40	3.618
132.00	.3996	174.88	100.93	3.638
134.00	.4052	177.44	102.47	3.657
136.00	.4107	180.00	104.00	3.676
138.00	.4163	182.56	105.53	3.694
140.00	.4218	185.12	107.06	3.713
142.00	.4274	187.67	108.58	3.731
144.00	.4329	190.22	110.11	3.749
146.00	.4384	192.77	111.64	3.766
148.00	.4440	195.32	113.16	3.784
150.00	.4495	197.87	114.69	3.801
152.00	.4550	200.41	116.21	3.818
154.00	.4605	202.96	117.73	3.834
156.00	.4661	205.50	119.26	3.851
158.00	.4716	208.05	120.78	3.867
160.00	.4771	210.59	122.30	3.883
162.00	.4826	213.13	123.82	3.899
164.00	.4881	215.67	125.34	3.914
166.00	.4936	218.20	126.85	3.930
168.00	.4991	220.74	128.37	3.945
170.00	.5046	223.27	129.89	3.960
172.00	.5101	225.81	131.41	3.975
174.00	.5156	228.34	132.92	3.989
176.00	.5211	230.87	134.44	4.004
178.00	.5266	233.41	135.95	4.018
180.00	.5321	235.94	137.47	4.032
182.00	.5376	238.47	138.98	4.046
184.00	.5431	241.00	140.50	4.060
186.00	.5486	243.52	142.01	4.074
188.00	.5540	246.05	143.52	4.087
190.00	.5595	248.58	145.03	4.100
192.00	.5650	251.10	146.55	4.114
194.00	.5705	253.63	148.06	4.127
196.00	.5759	256.15	149.57	4.140
198.00	.5814	258.67	151.08	4.153
200.00	.5869	261.20	152.59	4.165
202.00	.5924	263.72	154.10	4.178
204.00	.5978	266.24	155.61	4.190
206.00	.6033	268.76	157.12	4.202
208.00	.6088	271.28	158.62	4.215
210.00	.6142	273.80	160.13	4.227
212.00	.6197	276.32	161.64	4.239
214.00	.6251	278.84	163.15	4.250
216.00	.6306	281.35	164.66	4.262
218.00	.6361	283.87	166.16	4.274
220.00	.6415	286.39	167.67	4.285
222.00	.6470	288.90	169.18	4.297
224.00	.6524	291.42	170.68	4.308
226.00	.6579	293.93	172.19	4.319
228.00	.6633	296.45	173.69	4.330
230.00	.6688	298.96	175.20	4.341
232.00	.6742	301.48	176.70	4.352
234.00	.6797	303.99	178.21	4.363
236.00	.6851	306.50	179.71	4.374
238.00	.6906	309.01	181.22	4.384
240.00	.6960	311.52	182.72	4.395
242.00	.7015	314.04	184.22	4.405
244.00	.7069	316.55	185.73	4.415
246.00	.7123	319.06	187.23	4.426
248.00	.7178	321.57	188.73	4.436
250.00	.7232	324.08	190.24	4.446
252.00	.7287	326.59	191.74	4.456
254.00	.7341	329.09	193.24	4.466
256.00	.7395	331.60	194.74	4.476
258.00	.7450	334.11	196.25	4.485
260.00	.7504	336.62	197.75	4.495

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	.7558	339.12	199.25	4.505	402.00	1.1347	514.04	304.06	5.040
264.00	.7613	341.63	200.75	4.514	404.00	1.1401	516.53	305.55	5.046
266.00	.7667	344.14	202.25	4.524	406.00	1.1455	519.02	307.04	5.052
268.00	.7721	346.64	203.75	4.533	408.00	1.1509	521.52	308.54	5.058
270.00	.7776	349.15	205.26	4.542	410.00	1.1563	524.01	310.03	5.064
272.00	.7830	351.66	206.76	4.552	412.00	1.1617	526.50	311.53	5.070
274.00	.7884	354.16	208.26	4.561	414.00	1.1671	528.99	313.02	5.076
276.00	.7939	356.67	209.76	4.570	416.00	1.1724	531.49	314.52	5.082
278.00	.7993	359.17	211.26	4.579	418.00	1.1778	533.98	316.01	5.088
280.00	.8047	361.67	212.76	4.588	420.00	1.1832	536.47	317.50	5.094
282.00	.8101	364.18	214.26	4.597	422.00	1.1886	538.96	319.00	5.100
284.00	.8156	366.68	215.76	4.606	424.00	1.1940	541.45	320.49	5.106
286.00	.8210	369.19	217.26	4.614	426.00	1.1994	543.95	321.98	5.112
288.00	.8264	371.69	218.76	4.623	428.00	1.2048	546.44	323.48	5.118
290.00	.8318	374.19	220.26	4.632	430.00	1.2102	548.93	324.97	5.124
292.00	.8372	376.69	221.76	4.640	432.00	1.2156	551.42	326.46	5.129
294.00	.8427	379.20	223.25	4.649	434.00	1.2210	553.91	327.96	5.135
296.00	.8481	381.70	224.75	4.657	436.00	1.2264	556.40	329.45	5.141
298.00	.8535	384.20	226.25	4.666	438.00	1.2318	558.89	330.95	5.146
300.00	.8589	386.70	227.75	4.674	440.00	1.2372	561.39	332.44	5.152
302.00	.8644	389.20	229.25	4.683	442.00	1.2426	563.88	333.93	5.158
304.00	.8698	391.71	230.75	4.691	444.00	1.2479	566.37	335.42	5.163
306.00	.8752	394.21	232.25	4.699	446.00	1.2533	568.86	336.92	5.169
308.00	.8806	396.71	233.74	4.707	448.00	1.2587	571.35	338.41	5.175
310.00	.8860	399.21	235.24	4.715	450.00	1.2641	573.84	339.90	5.180
312.00	.8914	401.71	236.74	4.723	452.00	1.2695	576.33	341.40	5.186
314.00	.8969	404.21	238.24	4.731	454.00	1.2749	578.82	342.89	5.191
316.00	.9023	406.71	239.74	4.739	456.00	1.2803	581.31	344.38	5.197
318.00	.9077	409.21	241.23	4.747	458.00	1.2857	583.80	345.88	5.202
320.00	.9131	411.71	242.73	4.755	460.00	1.2911	586.29	347.37	5.208
322.00	.9185	414.21	244.23	4.763	462.00	1.2965	588.78	348.86	5.213
324.00	.9239	416.70	245.73	4.770	464.00	1.3019	591.27	350.36	5.218
326.00	.9293	419.20	247.22	4.778	466.00	1.3072	593.76	351.85	5.224
328.00	.9347	421.70	248.72	4.786	468.00	1.3126	596.25	353.34	5.229
330.00	.9402	424.20	250.22	4.793	470.00	1.3180	598.74	354.83	5.234
332.00	.9456	426.70	251.71	4.801	472.00	1.3234	601.23	356.33	5.240
334.00	.9510	429.20	253.21	4.808	474.00	1.3288	603.72	357.82	5.245
336.00	.9564	431.69	254.71	4.816	476.00	1.3342	606.21	359.31	5.250
338.00	.9618	434.19	256.21	4.823	478.00	1.3396	608.70	360.80	5.255
340.00	.9672	436.69	257.70	4.831	480.00	1.3450	611.19	362.30	5.261
342.00	.9726	439.19	259.20	4.838	482.00	1.3503	613.68	363.79	5.266
344.00	.9780	441.68	260.69	4.845	484.00	1.3557	616.17	365.28	5.271
346.00	.9834	444.18	262.19	4.852	486.00	1.3611	618.66	366.77	5.276
348.00	.9888	446.68	263.69	4.860	488.00	1.3665	621.15	368.27	5.281
350.00	.9942	449.17	265.18	4.867	490.00	1.3719	623.64	369.76	5.286
352.00	.9996	451.67	266.68	4.874	492.00	1.3773	626.13	371.25	5.291
354.00	1.0051	454.17	268.18	4.881	494.00	1.3827	628.62	372.74	5.296
356.00	1.0105	456.66	269.67	4.888	496.00	1.3881	631.11	374.24	5.301
358.00	1.0159	459.16	271.17	4.895	498.00	1.3934	633.60	375.73	5.306
360.00	1.0213	461.66	272.66	4.902	500.00	1.3988	636.08	377.22	5.311
362.00	1.0267	464.15	274.16	4.909	502.00	1.4042	638.57	378.71	5.316
364.00	1.0321	466.65	275.65	4.916	504.00	1.4096	641.06	380.21	5.321
366.00	1.0375	469.14	277.15	4.923	506.00	1.4150	643.55	381.70	5.326
368.00	1.0429	471.64	278.64	4.929	508.00	1.4204	646.04	383.19	5.331
370.00	1.0483	474.13	280.14	4.936	510.00	1.4258	648.53	384.68	5.336
372.00	1.0537	476.63	281.64	4.943	512.00	1.4311	651.02	386.17	5.341
374.00	1.0591	479.12	283.13	4.950	514.00	1.4365	653.51	387.67	5.346
376.00	1.0645	481.62	284.63	4.956	516.00	1.4419	655.99	389.16	5.351
378.00	1.0699	484.11	286.12	4.963	518.00	1.4473	658.48	390.65	5.355
380.00	1.0753	486.61	287.62	4.969	520.00	1.4527	660.97	392.14	5.360
382.00	1.0807	489.10	289.11	4.976	522.00	1.4581	663.46	393.63	5.365
384.00	1.0861	491.59	290.61	4.983	524.00	1.4634	665.95	395.13	5.370
386.00	1.0915	494.09	292.10	4.989	526.00	1.4688	668.44	396.62	5.374
388.00	1.0969	496.58	293.59	4.995	528.00	1.4742	670.92	398.11	5.379
390.00	1.1023	499.08	295.09	5.002	530.00	1.4796	673.41	399.60	5.384
392.00	1.1077	501.57	296.58	5.008	532.00	1.4850	675.90	401.09	5.389
394.00	1.1131	504.06	298.08	5.015	534.00	1.4904	678.39	402.58	5.393
396.00	1.1185	506.56	299.57	5.021	536.00	1.4958	680.88	404.08	5.398
398.00	1.1239	509.05	301.07	5.027	538.00	1.5011	683.36	405.57	5.402
400.00	1.1293	511.54	302.56	5.033	540.00	1.5065	685.85	407.06	5.407

1250.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
8.00	.0792	22.50	4.18	.483
10.00	.0804	23.45	4.84	.595
12.00	.0819	24.53	5.58	.702
14.00	.0837	25.78	6.42	.797
16.00	.0857	27.41	7.59	.906
18.00	.0879	29.27	8.95	1.015
20.00	.0903	31.30	10.42	1.122
22.00	.0929	33.44	11.96	1.224
24.00	.0956	35.67	13.54	1.321
26.00	.0986	37.97	15.16	1.413
28.00	.1017	40.33	16.80	1.500
30.00	.1050	42.74	18.45	1.583
32.00	.1084	45.19	20.11	1.663
34.00	.1120	47.69	21.78	1.738
36.00	.1157	50.22	23.46	1.811
38.00	.1195	52.78	25.13	1.880
40.00	.1234	55.36	26.81	1.946
42.00	.1274	57.97	28.49	2.010
44.00	.1316	60.60	30.17	2.071
46.00	.1358	63.24	31.84	2.130
48.00	.1400	65.90	33.51	2.186
50.00	.1443	68.57	35.18	2.241
52.00	.1487	71.24	36.85	2.293
54.00	.1531	73.92	38.50	2.344
56.00	.1575	76.60	40.16	2.392
58.00	.1620	79.28	41.81	2.439
60.00	.1665	81.96	43.45	2.485
62.00	.1710	84.65	45.09	2.529
64.00	.1755	87.33	46.72	2.571
66.00	.1801	90.00	48.35	2.613
68.00	.1846	92.68	49.98	2.652
70.00	.1891	95.35	51.60	2.691
72.00	.1937	98.02	53.21	2.729
74.00	.1983	100.69	54.82	2.765
76.00	.2028	103.35	56.43	2.801
78.00	.2074	106.00	58.03	2.835
80.00	.2119	108.66	59.63	2.869
82.00	.2165	111.31	61.23	2.902
84.00	.2210	113.95	62.82	2.933
86.00	.2256	116.59	64.41	2.965
88.00	.2302	119.23	65.99	2.995
90.00	.2347	121.86	67.57	3.024
92.00	.2392	124.49	69.15	3.053
94.00	.2438	127.12	70.73	3.082
96.00	.2483	129.74	72.30	3.109
98.00	.2529	132.36	73.87	3.136
100.00	.2574	134.98	75.44	3.163
102.00	.2619	137.59	77.00	3.188
104.00	.2664	140.20	78.57	3.214
106.00	.2709	142.80	80.13	3.239
108.00	.2755	145.41	81.69	3.263
110.00	.2800	148.01	83.24	3.287
112.00	.2845	150.60	84.80	3.310
114.00	.2890	153.20	86.35	3.333
116.00	.2935	155.79	87.90	3.356
118.00	.2980	158.38	89.45	3.378
120.00	.3025	160.97	91.00	3.400
122.00	.3069	163.55	92.55	3.421
124.00	.3114	166.13	94.09	3.442
126.00	.3159	168.71	95.64	3.463
128.00	.3204	171.29	97.18	3.483
130.00	.3249	173.87	98.72	3.503
132.00	.3293	176.44	100.26	3.522
134.00	.3338	179.01	101.80	3.542
136.00	.3383	181.58	103.33	3.561
138.00	.3427	184.15	104.87	3.580
140.00	.3472	186.71	106.40	3.598
142.00	.3516	189.28	107.94	3.616
144.00	.3561	191.84	109.47	3.634
146.00	.3605	194.40	111.00	3.652
148.00	.3650	196.96	112.53	3.669
150.00	.3694	199.52	114.06	3.686
152.00	.3739	202.07	115.59	3.703
154.00	.3783	204.63	117.12	3.720
156.00	.3827	207.18	118.65	3.736
158.00	.3872	209.73	120.17	3.753
160.00	.3916	212.28	121.70	3.769
162.00	.3960	214.83	123.22	3.785
164.00	.4005	217.38	124.75	3.800
166.00	.4049	219.93	126.27	3.816
168.00	.4093	222.47	127.79	3.831
170.00	.4137	225.02	129.31	3.846
172.00	.4181	227.56	130.83	3.861
174.00	.4226	230.10	132.36	3.876
176.00	.4270	232.64	133.88	3.890
178.00	.4314	235.18	135.39	3.904
180.00	.4358	237.72	136.91	3.919
182.00	.4402	240.26	138.43	3.933
184.00	.4446	242.80	139.95	3.946
186.00	.4490	245.33	141.47	3.960
188.00	.4534	247.87	142.98	3.974
190.00	.4578	250.40	144.50	3.987
192.00	.4622	252.93	146.01	4.000
194.00	.4666	255.47	147.53	4.014
196.00	.4710	258.00	149.04	4.026
198.00	.4754	260.53	150.56	4.039
200.00	.4798	263.06	152.07	4.052
202.00	.4842	265.59	153.59	4.065
204.00	.4886	268.12	155.10	4.077
206.00	.4930	270.64	156.61	4.089
208.00	.4973	273.17	158.12	4.102
210.00	.5017	275.70	159.63	4.114
212.00	.5061	278.22	161.15	4.126
214.00	.5105	280.75	162.66	4.138
216.00	.5149	283.27	164.17	4.149
218.00	.5193	285.79	165.68	4.161
220.00	.5236	288.32	167.19	4.172
222.00	.5280	290.84	168.70	4.184
224.00	.5324	293.36	170.21	4.195
226.00	.5368	295.88	171.71	4.206
228.00	.5411	298.40	173.22	4.217
230.00	.5455	300.92	174.73	4.228
232.00	.5499	303.44	176.24	4.239
234.00	.5543	305.96	177.75	4.250
236.00	.5586	308.48	179.25	4.261
238.00	.5630	311.00	180.76	4.272
240.00	.5674	313.51	182.27	4.262
242.00	.5717	316.03	183.77	4.292
244.00	.5761	318.55	185.28	4.303
246.00	.5805	321.06	186.79	4.313
248.00	.5848	323.58	188.29	4.323
250.00	.5892	326.09	189.80	4.333
252.00	.5936	328.61	191.30	4.343
254.00	.5979	331.12	192.81	4.353
256.00	.6023	333.64	194.31	4.363
258.00	.6066	336.15	195.82	4.373
260.00	.6110	338.66	197.32	4.383

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	.6154	341.17	198.83	4.392	402.00	.9190	516.35	303.75	4.928
264.00	.6197	343.69	200.33	4.402	404.00	.9234	518.84	305.25	4.934
266.00	.6241	346.20	201.83	4.411	406.00	.9277	521.34	306.74	4.940
268.00	.6284	348.71	203.34	4.421	408.00	.9320	523.83	308.24	4.947
270.00	.6328	351.22	204.84	4.430	410.00	.9363	526.33	309.73	4.953
272.00	.6371	353.73	206.34	4.439	412.00	.9406	528.82	311.23	4.959
274.00	.6415	356.24	207.85	4.449	414.00	.9450	531.32	312.72	4.965
276.00	.6459	358.75	209.35	4.458	416.00	.9493	533.81	314.22	4.971
278.00	.6502	361.26	210.85	4.467	418.00	.9536	536.31	315.72	4.977
280.00	.6546	363.77	212.35	4.476	420.00	.9579	538.80	317.21	4.983
282.00	.6589	366.28	213.86	4.485	422.00	.9623	541.30	318.71	4.989
284.00	.6633	368.78	215.36	4.494	424.00	.9666	543.79	320.20	4.995
286.00	.6676	371.29	216.86	4.502	426.00	.9709	546.29	321.69	5.000
288.00	.6720	373.80	218.36	4.511	428.00	.9752	548.78	323.19	5.006
290.00	.6763	376.31	219.86	4.520	430.00	.9795	551.27	324.68	5.012
292.00	.6807	378.81	221.36	4.528	432.00	.9839	553.77	326.18	5.018
294.00	.6850	381.32	222.87	4.537	434.00	.9882	556.26	327.67	5.024
296.00	.6893	383.83	224.37	4.545	436.00	.9925	558.76	329.17	5.029
298.00	.6937	386.33	225.87	4.554	438.00	.9968	561.25	330.66	5.035
300.00	.6980	388.84	227.37	4.562	440.00	1.0011	563.74	332.16	5.041
302.00	.7024	391.35	228.87	4.571	442.00	1.0055	566.24	333.65	5.046
304.00	.7067	393.85	230.37	4.579	444.00	1.0098	568.73	335.15	5.052
306.00	.7111	396.36	231.87	4.587	446.00	1.0141	571.22	336.64	5.058
308.00	.7154	398.86	233.37	4.595	448.00	1.0184	573.72	338.13	5.063
310.00	.7198	401.36	234.87	4.603	450.00	1.0227	576.21	339.63	5.069
312.00	.7241	403.87	236.37	4.611	452.00	1.0270	578.70	341.12	5.074
314.00	.7284	406.37	237.87	4.619	454.00	1.0314	581.19	342.62	5.080
316.00	.7328	408.88	239.37	4.627	456.00	1.0357	583.69	344.11	5.085
318.00	.7371	411.38	240.87	4.635	458.00	1.0400	586.18	345.60	5.091
320.00	.7415	413.88	242.37	4.643	460.00	1.0443	588.67	347.10	5.096
322.00	.7458	416.39	243.87	4.651	462.00	1.0486	591.16	348.59	5.102
324.00	.7501	418.89	245.37	4.659	464.00	1.0530	593.66	350.09	5.107
326.00	.7545	421.39	246.86	4.666	466.00	1.0573	596.15	351.58	5.112
328.00	.7588	423.89	248.36	4.674	468.00	1.0616	598.64	353.07	5.118
330.00	.7632	426.40	249.86	4.682	470.00	1.0659	601.13	354.57	5.123
332.00	.7675	428.90	251.36	4.689	472.00	1.0702	603.63	356.06	5.128
334.00	.7718	431.40	252.86	4.697	474.00	1.0745	606.12	357.55	5.134
336.00	.7762	433.90	254.36	4.704	476.00	1.0788	608.61	359.05	5.139
338.00	.7805	436.40	255.86	4.711	478.00	1.0832	611.10	360.54	5.144
340.00	.7848	438.90	257.35	4.719	480.00	1.0875	613.59	362.04	5.149
342.00	.7892	441.40	258.85	4.726	482.00	1.0918	616.08	363.53	5.154
344.00	.7935	443.90	260.35	4.734	484.00	1.0961	618.58	365.02	5.160
346.00	.7978	446.40	261.85	4.741	486.00	1.1004	621.07	366.52	5.165
348.00	.8022	448.91	263.35	4.748	488.00	1.1047	623.56	368.01	5.170
350.00	.8065	451.41	264.84	4.755	490.00	1.1091	626.05	369.50	5.175
352.00	.8108	453.90	266.34	4.762	492.00	1.1134	628.54	371.00	5.180
354.00	.8152	456.40	267.84	4.769	494.00	1.1177	631.03	372.49	5.185
356.00	.8195	458.90	269.34	4.776	496.00	1.1220	633.52	373.98	5.190
358.00	.8238	461.40	270.83	4.783	498.00	1.1263	636.01	375.47	5.195
360.00	.8282	463.90	272.33	4.790	500.00	1.1306	638.51	376.97	5.200
362.00	.8325	466.40	273.83	4.797	502.00	1.1349	641.00	378.46	5.205
364.00	.8368	468.90	275.32	4.804	504.00	1.1392	643.49	379.95	5.210
366.00	.8411	471.40	276.82	4.811	506.00	1.1436	645.98	381.45	5.215
368.00	.8455	473.90	278.32	4.818	508.00	1.1479	648.47	382.94	5.220
370.00	.8498	476.40	279.82	4.825	510.00	1.1522	650.96	384.43	5.225
372.00	.8541	478.89	281.31	4.831	512.00	1.1565	653.45	385.93	5.230
374.00	.8585	481.39	282.81	4.838	514.00	1.1608	655.94	387.42	5.234
376.00	.8628	483.89	284.31	4.845	516.00	1.1651	658.43	388.91	5.239
378.00	.8671	486.39	285.80	4.851	518.00	1.1694	660.92	390.40	5.244
380.00	.8714	488.88	287.30	4.858	520.00	1.1737	663.41	391.90	5.249
382.00	.8758	491.38	288.79	4.864	522.00	1.1781	665.90	393.39	5.254
384.00	.8801	493.88	290.29	4.871	524.00	1.1824	668.39	394.88	5.258
386.00	.8844	496.37	291.79	4.877	526.00	1.1867	670.88	396.37	5.263
388.00	.8888	498.87	293.28	4.884	528.00	1.1910	673.37	397.87	5.268
390.00	.8931	501.37	294.78	4.890	530.00	1.1953	675.86	399.36	5.273
392.00	.8974	503.86	296.27	4.897	532.00	1.1996	678.35	400.85	5.277
394.00	.9017	506.36	297.77	4.903	534.00	1.2039	680.84	402.35	5.282
396.00	.9061	508.86	299.27	4.909	536.00	1.2082	683.33	403.84	5.287
398.00	.9104	511.35	300.76	4.916	538.00	1.2125	685.82	405.33	5.291
400.00	.9147	513.85	302.26	4.922	540.00	1.2169	688.31	406.82	5.296

1500.00 PSIA ISOBAR

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
8.00	.0768	25.90	4.59	.457
10.00	.0779	26.82	5.21	.566
12.00	.0791	27.85	5.88	.667
14.00	.0806	29.03	6.67	.758
16.00	.0822	30.59	7.77	.862
18.00	.0840	32.38	9.06	.967
20.00	.0860	34.32	10.46	1.070
22.00	.0881	36.39	11.94	1.168
24.00	.0903	38.54	13.47	1.261
26.00	.0927	40.75	15.03	1.350
28.00	.0952	43.03	16.61	1.434
30.00	.0978	45.35	18.21	1.514
32.00	.1005	47.72	19.82	1.591
34.00	.1033	50.12	21.44	1.664
36.00	.1063	52.56	23.06	1.733
38.00	.1093	55.03	24.70	1.800
40.00	.1124	57.53	26.33	1.864
42.00	.1156	60.06	27.97	1.926
44.00	.1189	62.61	29.62	1.985
46.00	.1222	65.18	31.26	2.042
48.00	.1256	67.77	32.90	2.097
50.00	.1291	70.37	34.55	2.151
52.00	.1326	72.99	36.19	2.202
54.00	.1361	75.62	37.83	2.252
56.00	.1397	78.26	39.47	2.300
58.00	.1434	80.90	41.11	2.346
60.00	.1470	83.55	42.74	2.391
62.00	.1507	86.20	44.37	2.434
64.00	.1544	88.86	46.00	2.477
66.00	.1581	91.52	47.63	2.517
68.00	.1619	94.18	49.25	2.557
70.00	.1656	96.83	50.86	2.596
72.00	.1694	99.49	52.48	2.633
74.00	.1731	102.15	54.09	2.669
76.00	.1769	104.80	55.70	2.705
78.00	.1807	107.46	57.30	2.739
80.00	.1845	110.11	58.90	2.773
82.00	.1883	112.76	60.50	2.806
84.00	.1920	115.40	62.09	2.837
86.00	.1958	118.05	63.68	2.869
88.00	.1996	120.69	65.27	2.899
90.00	.2034	123.32	66.86	2.929
92.00	.2072	125.96	68.44	2.957
94.00	.2110	128.59	70.02	2.986
96.00	.2148	131.22	71.60	3.013
98.00	.2186	133.84	73.17	3.041
100.00	.2223	136.47	74.75	3.067
102.00	.2261	139.09	76.32	3.093
104.00	.2299	141.70	77.89	3.118
106.00	.2337	144.32	79.45	3.143
108.00	.2374	146.93	81.02	3.168
110.00	.2412	149.54	82.58	3.192
112.00	.2450	152.14	84.14	3.215
114.00	.2487	154.74	85.70	3.238
116.00	.2525	157.34	87.25	3.261
118.00	.2563	159.94	88.81	3.283
120.00	.2600	162.54	90.36	3.305
122.00	.2638	165.13	91.91	3.326
124.00	.2675	167.72	93.46	3.347
126.00	.2713	170.31	95.01	3.368
128.00	.2750	172.90	96.56	3.388
130.00	.2788	175.48	98.10	3.408
132.00	.2825	178.06	99.65	3.428
134.00	.2862	180.64	101.19	3.447
136.00	.2900	183.22	102.73	3.467
138.00	.2937	185.80	104.27	3.485
140.00	.2974	188.37	105.81	3.504
142.00	.3012	190.95	107.35	3.522
144.00	.3049	193.52	108.89	3.540
146.00	.3086	196.09	110.42	3.558
148.00	.3123	198.65	111.96	3.575
150.00	.3160	201.22	113.49	3.593
152.00	.3198	203.79	115.02	3.610
154.00	.3235	206.35	116.56	3.626
156.00	.3272	208.91	118.09	3.643
158.00	.3309	211.47	119.62	3.659
160.00	.3346	214.03	121.15	3.675
162.00	.3383	216.58	122.68	3.691
164.00	.3420	219.14	124.20	3.707
166.00	.3457	221.69	125.73	3.722
168.00	.3494	224.25	127.26	3.738
170.00	.3531	226.80	128.78	3.753
172.00	.3568	229.35	130.31	3.768
174.00	.3605	231.90	131.83	3.782
176.00	.3642	234.45	133.35	3.797
178.00	.3679	237.00	134.88	3.811
180.00	.3716	239.54	136.40	3.825
182.00	.3753	242.09	137.92	3.840
184.00	.3789	244.63	139.44	3.853
186.00	.3826	247.17	140.96	3.867
188.00	.3863	249.72	142.48	3.881
190.00	.3900	252.26	144.00	3.894
192.00	.3937	254.80	145.52	3.907
194.00	.3973	257.34	147.04	3.921
196.00	.4010	259.87	148.56	3.934
198.00	.4047	262.41	150.07	3.947
200.00	.4084	264.95	151.59	3.959
202.00	.4120	267.48	153.11	3.972
204.00	.4157	270.02	154.62	3.984
206.00	.4194	272.55	156.14	3.997
208.00	.4230	275.09	157.65	4.009
210.00	.4267	277.62	159.17	4.021
212.00	.4304	280.15	160.68	4.033
214.00	.4340	282.68	162.20	4.045
216.00	.4377	285.21	163.71	4.057
218.00	.4414	287.74	165.22	4.068
220.00	.4450	290.27	166.74	4.080
222.00	.4487	292.80	168.25	4.091
224.00	.4523	295.32	169.76	4.103
226.00	.4560	297.85	171.27	4.114
228.00	.4597	300.38	172.78	4.125
230.00	.4633	302.90	174.29	4.136
232.00	.4670	305.43	175.80	4.147
234.00	.4706	307.95	177.31	4.158
236.00	.4743	310.48	178.82	4.169
238.00	.4779	313.00	180.33	4.179
240.00	.4816	315.52	181.84	4.190
242.00	.4852	318.04	183.35	4.200
244.00	.4889	320.57	184.86	4.211
246.00	.4925	323.09	186.37	4.221
248.00	.4962	325.61	187.88	4.231
250.00	.4998	328.13	189.38	4.241
252.00	.5035	330.65	190.89	4.251
254.00	.5071	333.17	192.40	4.261
256.00	.5108	335.68	193.91	4.271
258.00	.5144	338.20	195.41	4.281
260.00	.5180	340.72	196.92	4.291

TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)	TEMPER-ATURE (R)	SPECIFIC VOLUME (CU FT/LB)	ENTHALPY (BTU/LB)	INTERNAL ENERGY (BTU/LB)	ENTROPY (BTU/LB-R)
262.00	.5217	343.24	198.43	4.300	402.00	.7752	518.65	303.46	4.837
264.00	.5253	345.75	199.93	4.310	404.00	.7788	521.15	304.96	4.843
266.00	.5290	348.27	201.44	4.319	406.00	.7824	523.65	306.46	4.849
268.00	.5326	350.79	202.94	4.329	408.00	.7860	526.15	307.95	4.855
270.00	.5362	353.30	204.45	4.338	410.00	.7897	528.65	309.45	4.861
272.00	.5399	355.82	205.95	4.347	412.00	.7933	531.14	310.94	4.868
274.00	.5435	358.33	207.46	4.357	414.00	.7969	533.64	312.44	4.874
276.00	.5471	360.84	208.96	4.366	416.00	.8005	536.14	313.94	4.880
278.00	.5508	363.36	210.47	4.375	418.00	.8041	538.64	315.43	4.886
280.00	.5544	365.87	211.97	4.384	420.00	.8077	541.13	316.93	4.892
282.00	.5581	368.38	213.48	4.393	422.00	.8113	543.63	318.43	4.897
284.00	.5617	370.90	214.98	4.402	424.00	.8149	546.13	319.92	4.903
286.00	.5653	373.41	216.48	4.411	426.00	.8185	548.62	321.42	4.909
288.00	.5690	375.92	217.99	4.419	428.00	.8221	551.12	322.91	4.915
290.00	.5726	378.43	219.49	4.428	430.00	.8257	553.62	324.41	4.921
292.00	.5762	380.94	220.99	4.437	432.00	.8293	556.11	325.90	4.927
294.00	.5798	383.45	222.50	4.445	434.00	.8329	558.61	327.40	4.932
296.00	.5835	385.96	224.00	4.454	436.00	.8365	561.11	328.90	4.938
298.00	.5871	388.48	225.50	4.462	438.00	.8401	563.60	330.39	4.944
300.00	.5907	390.98	227.01	4.470	440.00	.8437	566.10	331.89	4.950
302.00	.5944	393.49	228.51	4.479	442.00	.8473	568.59	333.38	4.955
304.00	.5980	396.00	230.01	4.487	444.00	.8509	571.09	334.88	4.961
306.00	.6016	398.51	231.51	4.495	446.00	.8546	573.58	336.37	4.967
308.00	.6052	401.02	233.01	4.504	448.00	.8582	576.08	337.87	4.972
310.00	.6089	403.53	234.52	4.512	450.00	.8618	578.57	339.36	4.978
312.00	.6125	406.04	236.02	4.520	452.00	.8654	581.07	340.86	4.983
314.00	.6161	408.55	237.52	4.528	454.00	.8690	583.57	342.35	4.989
316.00	.6197	411.05	239.02	4.536	456.00	.8726	586.06	343.85	4.994
318.00	.6234	413.56	240.52	4.544	458.00	.8762	588.55	345.34	5.000
320.00	.6270	416.07	242.02	4.551	460.00	.8798	591.05	346.84	5.005
322.00	.6306	418.57	243.52	4.559	462.00	.8834	593.54	348.33	5.011
324.00	.6342	421.08	245.02	4.567	464.00	.8870	596.04	349.83	5.016
326.00	.6379	423.59	246.52	4.575	466.00	.8906	598.53	351.32	5.021
328.00	.6415	426.09	248.02	4.582	468.00	.8942	601.03	352.82	5.027
330.00	.6451	428.60	249.52	4.590	470.00	.8978	603.52	354.31	5.032
332.00	.6487	431.10	251.02	4.598	472.00	.9014	606.02	355.80	5.037
334.00	.6523	433.61	252.52	4.605	474.00	.9050	608.51	357.30	5.042
336.00	.6560	436.11	254.02	4.613	476.00	.9086	611.00	358.79	5.048
338.00	.6596	438.62	255.52	4.620	478.00	.9122	613.50	360.29	5.053
340.00	.6632	441.12	257.02	4.627	480.00	.9158	615.99	361.78	5.058
342.00	.6668	443.63	258.52	4.635	482.00	.9194	618.48	363.28	5.063
344.00	.6704	446.13	260.02	4.642	484.00	.9230	620.98	364.77	5.069
346.00	.6741	448.63	261.52	4.649	486.00	.9266	623.47	366.27	5.074
348.00	.6777	451.14	263.02	4.656	488.00	.9302	625.96	367.76	5.079
350.00	.6813	453.64	264.52	4.664	490.00	.9338	628.46	369.25	5.084
352.00	.6849	456.14	266.02	4.671	492.00	.9374	630.95	370.75	5.089
354.00	.6885	458.65	267.52	4.678	494.00	.9410	633.44	372.24	5.094
356.00	.6921	461.15	269.02	4.685	496.00	.9446	635.94	373.74	5.099
358.00	.6958	463.65	270.52	4.692	498.00	.9482	638.43	375.23	5.104
360.00	.6994	466.15	272.01	4.699	500.00	.9518	640.92	376.72	5.109
362.00	.7030	468.65	273.51	4.706	502.00	.9554	643.42	378.22	5.114
364.00	.7066	471.16	275.01	4.713	504.00	.9590	645.91	379.71	5.119
366.00	.7102	473.66	276.51	4.720	506.00	.9626	648.40	381.20	5.124
368.00	.7138	476.16	278.01	4.726	508.00	.9662	650.89	382.70	5.129
370.00	.7175	478.66	279.51	4.733	510.00	.9698	653.38	384.19	5.134
372.00	.7211	481.16	281.00	4.740	512.00	.9734	655.88	385.69	5.139
374.00	.7247	483.66	282.50	4.747	514.00	.9770	658.37	387.18	5.143
376.00	.7283	486.16	284.00	4.753	516.00	.9806	660.86	388.67	5.148
378.00	.7319	488.66	285.50	4.760	518.00	.9841	663.35	390.17	5.153
380.00	.7355	491.16	286.99	4.767	520.00	.9877	665.85	391.66	5.158
382.00	.7391	493.66	288.49	4.773	522.00	.9913	668.34	393.15	5.163
384.00	.7427	496.16	289.99	4.780	524.00	.9949	670.83	394.65	5.167
386.00	.7463	498.66	291.49	4.786	526.00	.9985	673.32	396.14	5.172
388.00	.7500	501.16	292.98	4.793	528.00	1.0021	675.81	397.63	5.177
390.00	.7536	503.66	294.48	4.799	530.00	1.0057	678.30	399.13	5.182
392.00	.7572	506.16	295.98	4.805	532.00	1.0093	680.80	400.62	5.186
394.00	.7608	508.66	297.47	4.812	534.00	1.0129	683.29	402.11	5.191
396.00	.7644	511.16	298.97	4.818	536.00	1.0165	685.78	403.61	5.196
398.00	.7680	513.66	300.47	4.824	538.00	1.0201	688.27	405.10	5.200
400.00	.7716	516.16	301.97	4.831	540.00	1.0237	690.76	406.59	5.205

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U. S. DEPARTMENT OF COMMERCE
Luther H. Hodges, *Secretary*

NATIONAL BUREAU OF STANDARDS
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The scope of activities of the National Bureau of Standards at its major laboratories in Washington, D.C., and Boulder, Colorado, is suggested in the following listing of the divisions and sections engaged in technical work. In general, each section carries out specialized research, development, and engineering in the field indicated by its title. A brief description of the activities, and of the resultant publications, appears on the inside of the front cover.

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Office of Weights and Measures.

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RADIO STANDARDS LABORATORY

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