

## VAPOR PRESSURE OF MERCURY

The following table gives the vapor pressure of mercury in kilopascals (100 kPa = 1 bar) from 0°C to the critical temperature. The values through 800°C come from References 1 and 2. Those from 900°C through 1400°C are taken from Reference 3; they should only be considered approximations. The final set refers to the critical point.

<i>t</i> /°C	<i>p</i> /kPa	<i>t</i> /°C	<i>p</i> /kPa	<i>t</i> /°C	<i>p</i> /kPa	<i>t</i> /°C	<i>p</i> /kPa
0	$2.728 \times 10^{-5}$	220	4.304	440	380.1	660	3953
10	$7.101 \times 10^{-5}$	230	5.758	450	436.2	670	4285
20	$1.729 \times 10^{-4}$	240	7.614	460	498.6	680	4636
30	$3.680 \times 10^{-4}$	250	9.959	470	567.9	690	5009
40	$8.626 \times 10^{-4}$	260	12.892	480	644.6	700	5403
50	$1.786 \times 10^{-3}$	270	16.527	490	729.2	710	5820
60	$3.536 \times 10^{-3}$	280	20.993	500	822.2	720	6259
70	$6.724 \times 10^{-3}$	290	26.435	510	924.2	730	6722
80	0.01232	300	33.015	520	1035.8	740	7210
90	0.02128	310	40.910	530	1157.6	750	7722
100	0.03745	320	50.320	540	1290.1	760	8260
110	0.06247	330	61.460	550	1434.0	770	8825
120	0.1015	340	74.567	560	1589.9	780	9417
130	0.1608	350	89.896	570	1758.4	790	10037
140	0.2491	360	107.72	580	1940.3	800	10685
150	0.3778	370	128.34	590	2136	900	19300
160	0.5618	380	152.07	600	2346	1000	32000
170	0.8204	390	179.25	610	2572	1100	50000
180	1.178	400	210.24	620	2814	1200	73000
190	1.664	410	245.4	630	3072	1300	103000
200	2.315	420	285.2	640	3347	1400	139000
210	3.177	430	329.9	650	3641	1477	172000

### References

1. Vukalovich, M. P., and Fokin, L. R., *Thermophysical Properties of Mercury*, Standards Press (USSR), 1972.
2. Vargaftik, N. B., Vinogradov, Y. K., and Yargin, V. S., *Handbook of Physical Properties of Liquids and Gases, Third Edition*, Begell House, New York, 1996.
3. Hensel, F., and Frank, E. U., *Rev. Mod. Phys.* 40, 697, 1968.