



CAMPBELL-SEVEY, INC.

PROPERTIES OF SATURATED STEAM

Steam Pressure PSIG/ Inches Hg	Saturated Temp °F	Sensible Heat BTU/lb.	Latent Heat BTU/lb.	Total Heat BTU/lb.	Specific Volume (liquid) cu ft/lb	Specific Volume (vapor) cu ft/lb
29.743	32	0	1076	1076	0.01602	3306
20	161	129	1001	1130	0.01640	75.32
10	192	160	982	1143	0.01658	39.21
0	212	180	970	1150	0.01671	26.80
5	227	195	960	1155	0.01682	20.38
10	239	208	952	1160	0.01692	16.49
15	250	218	946	1164	0.01700	13.88
25	267	236	934	1170	0.01714	10.58
50	298	267	912	1179	0.01743	6.69
75	320	290	895	1185	0.01765	4.91
100	338	309	881	1190	0.01785	3.89
125	353	325	869	1193	0.01802	3.23
150	366	338	857	1195	0.01818	2.76
200	388	362	838	1200	0.01847	2.14
250	406	382	821	1202	0.01873	1.74
300	422	399	805	1204	0.01897	1.47

Properties Of Steam

**Lionel Simeon Marks, Harvey Nathaniel
Davis**

Properties Of Steam:

Tables of the Properties of Steam and Other Vapors Cecil Hobart Peabody, 1914 **Thermal Properties of Steam** George Alfred Goodenough, 1914 Tables of the Properties of Steam and Other Vapors, and Temperature-entropy Table Cecil Hobart Peabody, 1907 Properties of Steam and Ammonia George Alfred Goodenough, 1915 *Tables of the Properties of Steam and Other Vapors, and Temperature-Entropy Table (Classic Reprint)* Cecil H. Peabody, 2017-12-15

Excerpt from Tables of the Properties of Steam and Other Vapors and Temperature Entropy Table The Tables of the Properties of Steam were published in 1888 to accompany the author's Thermodynamics of the Steam Engine in 1907 they were revised taking advantage of added information then available and a temperature entropy Table was added to facilitate calculations for steam turbines The properties of steam have recently been redetermined by new and refined methods that are capable of great certainty and precision so that computations based upon them Show a satisfactory concordance These tables have been recomputed with this information and may therefore be used with confidence and may be expected to have permanence The temperature entropy Table gives solutions of all adiabatic problems and many others both for saturated and for superheated steam with ease and precision and permits us to make certain determinations not otherwise possible For engineering purposes answers to such problems may in general be read directly from the table greater refinement can be had by interpolation when necessary About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books Find more at www.forgottenbooks.com This book is a reproduction of an important historical work Forgotten Books uses state of the art technology to digitally reconstruct the work preserving the original format whilst repairing imperfections present in the aged copy In rare cases an imperfection in the original such as a blemish or missing page may be replicated in our edition We do however repair the vast majority of imperfections successfully any imperfections that remain are intentionally left to preserve the state of such historical works Engineering Thermodynamics R. K. Rajput, 2010 Mechanical Engineering **Properties of Steam and Ammonia (Classic Reprint)** G. A. Goodenough, 2016-10-08 Excerpt from Properties of Steam and Ammonia The older tables of the properties of steam were neither consistent nor accurate The tabular values were calculated from empirical formulas based chiefly on Regnault's data and the necessity of consistency was not recognized Two sets of tables have been based on the general theory developed by Callendar These are absolutely consistent but in the light of the knowledge acquired from the Munich experiments they can no longer be regarded as accurate In certain tables that have appeared recently have been embodied the results of the Munich experiments and also the researches of Dr Davis on the total heat of steam These tables are undoubtedly far more accurate than the earlier tables but having a more or less empirical basis they are not rigorously consistent The tables of the properties of saturated and superheated steam here presented are based on a new formulation the essential features of which are discussed in the first section of the book A more complete exposition will be found in Bulletin No 75 Engineering

Experiment Station University of Illinois The new theory correlates perfectly the experiments on the volume and specific heat of superheated steam it gives values of the heat content of saturated steam that agree with those deduced by Davis from the throttling experiments and in general it meets satisfactorily all the tests furnished by the available experimental evidence The tables derived from the formulation are necessarily consistent And they are at the same time extremely accurate About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books Find more at www.forgottenbooks.com This book is a reproduction of an important historical work Forgotten Books uses state of the art technology to digitally reconstruct the work preserving the original format whilst repairing imperfections present in the aged copy In rare cases an imperfection in the original such as a blemish or missing page may be replicated in our edition We do however repair the vast majority of imperfections successfully any imperfections that remain are intentionally left to preserve the state of such historical works

Tables of the Properties of Saturated Steam and Other Vapors Cecil Hobart Peabody, 1888

Properties of Steam and Thermodynamic Theory of Turbines Hugh Longbourne Callendar, 1920 **ASME Steam Tables** American Society of Mechanical Engineers, 1983 Steam and Gas Tables with Computer Equations Thomas F. Jr. Irving, 2012-12-02 Steam and Gas Tables with Computer Equations presents tables illustrating the thermodynamic properties of steam and air along with computer equations Additional equations for a number of other gaseous substances which are useful in engineering investigations are included This book is comprised of two chapters and begins with a discussion on the thermodynamic properties of steam which can be divided into saturation and superheat properties The various thermodynamic properties including saturation temperature and pressure and liquid and vapor saturation entropy are represented with three basic types of equations from the triple point to the critical point The accuracy of the properties calculated from the base data is also considered The next chapter deals with the thermodynamic properties of air and other gases ethane hydrogen methane nitrogen oxygen propane n butane including those properties which are useful in engineering design and analysis specific heat at constant pressure and volume enthalpy and entropy function isentropic pressure function etc This monograph will serve as a useful guide for chemists mathematicians and computer programmers and scientists

Thermodynamic and Transport Properties of Steam ASME Steam Tables, 1968 *Tables of the Properties of Steam and Other Vapors, and Temperature-Entropy Table* Cecil Hobart Peabody, 2016-04-22 This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it This work was reproduced from the original artifact and remains as true to the original work as possible Therefore you will see the original copyright references library stamps as most of these works have been housed in our most important libraries around the world and other notations in the work This work is in the public domain in the United States of America and possibly other nations Within the United States you may freely copy and distribute this work as no entity individual or corporate has a copyright on the body of the work As a reproduction of a historical artifact this work may contain missing or blurred pages

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