

R12 sobrecalentado MEC 2254 DOCENTE: EDGAR S. PEÑARANDA M. UTO FNI pag1

p=0.6 Bar					p=1Bar				
T(°C)	v	u	h	s	T(°C)	v	u	h	s
-40.0	0.2592	154.2	169.7	0.7323	-20.0	0.1676	163.2	180	0.7406
-26.7	0.2756	160.6	177.1	0.7633	-8.9	0.176	168.9	186.5	0.7657
-13.3	0.2918	167.2	184.7	0.7933	2.2	0.1842	174.7	193.1	0.7902
0.0	0.3078	174	192.5	0.8225	13.3	0.1924	180.5	199.8	0.814
13.3	0.3237	181	200.4	0.8508	24.4	0.2004	186.5	206.6	0.8373
26.7	0.3394	188.1	208.5	0.8784	35.6	0.2084	192.6	213.5	0.86
40.0	0.3551	195.4	216.8	0.9053	46.7	0.2164	198.8	220.5	0.8823
53.3	0.3707	202.9	225.1	0.9315	57.8	0.2243	205.1	227.5	0.9041
66.7	0.3863	210.5	233.7	0.9571	68.9	0.2322	211.5	234.7	0.9254
80.0	0.4018	218.2	242.4	0.9822	80.0	0.24	218	242	0.9463

p=1.4Bar					p=1.8Bar				
T(°C)	v	u	h	s	T(°C)	v	u	h	s
-20.0	0.1178	162.5	179	0.7146	-10.0	0.09463	167	184.1	0.7179
-6.7	0.1252	169.4	187	0.7453	2.2	0.1	173.6	191.6	0.7457
6.7	0.1325	176.5	195	0.7748	14.4	0.1052	180.2	199.1	0.7726
20.0	0.1396	183.7	203.2	0.8034	26.7	0.1104	186.9	206.8	0.7987
33.3	0.1466	191	211.5	0.8311	38.9	0.1155	193.7	214.5	0.824
46.7	0.1536	198.5	220	0.8581	51.1	0.1205	200.7	222.3	0.8486
60.0	0.1604	206.1	228.5	0.8843	63.3	0.1254	207.7	230.3	0.8726
73.3	0.1673	213.8	237.2	0.9099	75.6	0.1304	214.8	238.3	0.8961
86.7	0.1741	221.7	246.1	0.9349	87.8	0.1352	222.1	246.4	0.919
100.0	0.1808	229.7	255	0.9593	100.0	0.1401	229.4	254.7	0.9414

p=2Bar					p=2.4Bar				
T(°C)	v	u	h	s	T(°C)	v	u	h	s
-5.0	0.08657	169.4	186.7	0.721	-5.0	0.07114	168.7	185.8	0.7061
8.9	0.09208	176.9	195.3	0.7523	8.9	0.07588	176.4	194.6	0.7379
22.8	0.09744	184.5	204	0.7824	22.8	0.08046	184.1	203.4	0.7684
36.7	0.1027	192.3	212.8	0.8115	36.7	0.08493	191.9	212.3	0.7977
50.6	0.1079	200.2	221.8	0.8397	50.6	0.08932	199.8	221.3	0.8261
64.4	0.113	208.2	230.8	0.8671	64.4	0.09364	207.9	230.4	0.8536
78.3	0.118	216.3	240	0.8937	78.3	0.0979	216.1	239.6	0.8804
92.2	0.1231	224.6	249.3	0.9196	92.2	0.1021	224.4	248.9	0.9064
106.1	0.128	233	258.7	0.9449	106.1	0.1063	232.8	258.4	0.9318
120.0	0.133	241.6	268.2	0.9696	120.0	0.1105	241.4	267.9	0.9565

p=2.8Bar					p=3.2Bar				
T(°C)	v	u	h	s	T(°C)	v	u	h	s
0	0.06163	170.9	188.1	0.7048	13.3	0.05676	177.8	195.9	0.7243
13.33	0.06559	178.3	196.7	0.7353	26.7	0.06019	185.4	204.6	0.7539
26.67	0.06943	185.8	205.3	0.7646	40.0	0.06353	193	213.4	0.7823
40	0.07316	193.4	213.9	0.7928	53.3	0.06678	200.8	222.1	0.8098
53.33	0.07681	201.1	222.6	0.82	66.7	0.06997	208.6	231	0.8364
66.67	0.08041	208.9	231.4	0.8465	80.0	0.07311	216.5	239.9	0.8622
80	0.08395	216.8	240.3	0.8722	93.3	0.07621	224.6	249	0.8874
93.33	0.08746	224.8	249.3	0.8972	106.7	0.07928	232.7	258.1	0.9119
106.7	0.09094	233	258.4	0.9216	120.0	0.08233	241	267.4	0.9357
120	0.09439	241.2	267.6	0.9454					

v=(m³/kg), u=(KJ/kg), h=(KJ/kg), s=(KJ/kg-k)

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p=4Bar					p=5Bar				
T(°C)	v	u	h	s	T(°C)	v	u	h	s
15	0.04472	177.7	195.6	0.7089	15.0	0.000743	49.72	50.09	0.1915
28.89	0.04772	185.7	204.8	0.7403	28.9	0.03725	184.6	203.2	0.7209
42.78	0.05059	193.8	214.1	0.7703	42.8	0.03967	192.8	212.7	0.7517
56.67	0.05338	202	223.4	0.7991	56.7	0.042	201.2	222.2	0.7811
70.56	0.0561	210.3	232.8	0.8269	70.6	0.04426	209.6	231.7	0.8094
84.44	0.05877	218.7	242.2	0.8539	84.4	0.04645	218	241.3	0.8366
98.33	0.06139	227.2	251.7	0.88	98.3	0.04861	226.6	250.9	0.863
112.2	0.06399	235.7	261.3	0.9054	112.2	0.05073	235.2	260.6	0.8887
126.1	0.06656	244.4	271.1	0.9302	126.1	0.05283	243.9	270.4	0.9136
140	0.06911	253.2	280.9	0.9543	140.0	0.0549	252.8	280.2	0.9379

p=6 Bar					p=7Bar				
T(°C)	v	u	h	s	T(°C)	v	u	h	s
30.0	0.03041	184	202.2	0.7067	30.0	0.02534	182.7	200.4	0.6916
44.4	0.03262	192.8	212.4	0.7395	44.4	0.02735	191.8	210.9	0.7254
58.9	0.03471	201.6	222.5	0.7705	58.9	0.02923	200.7	221.2	0.7571
73.3	0.03673	210.5	232.5	0.8001	73.3	0.03103	209.7	231.4	0.7872
87.8	0.03868	219.4	242.6	0.8286	87.8	0.03275	218.7	241.7	0.8161
102.2	0.04059	228.4	252.8	0.8562	102.2	0.03443	227.8	251.9	0.8439
116.7	0.04246	237.5	262.9	0.8828	116.7	0.03607	236.9	262.2	0.8708
131.1	0.04431	246.6	273.2	0.9087	131.1	0.03768	246.1	272.5	0.8968
145.6	0.04612	255.9	283.6	0.9338	145.6	0.03927	255.4	282.9	0.9221
160.0	0.04793	265.2	294	0.9583	160.0	0.04083	264.8	293.4	0.9468

p=8Bar					p=9Bar				
T(°C)	v	u	h	s	T(°C)	v	u	h	s
40.0	0.02282	187.8	206.1	0.702	40.0	0.01973	186.5	204.3	0.6896
55.6	0.02472	197.7	217.5	0.7376	55.6	0.02152	196.7	216.1	0.7263
71.1	0.02649	207.5	228.7	0.771	71.1	0.02317	206.7	227.5	0.7604
86.7	0.02818	217.3	239.9	0.8027	86.7	0.02472	216.6	238.9	0.7926
102.2	0.02981	227.2	251	0.8331	102.2	0.0262	226.5	250.1	0.8233
117.8	0.03138	237.1	262.2	0.8622	117.8	0.02764	236.5	261.4	0.8527
133.3	0.03293	247.1	273.4	0.8904	133.3	0.02904	246.6	272.7	0.881
148.9	0.03444	257.1	284.7	0.9176	148.9	0.03041	256.7	284.1	0.9085
164.4	0.03593	267.3	296.1	0.9441	164.4	0.03175	266.9	295.5	0.935
180.0	0.03741	277.6	307.5	0.9698	180.0	0.03308	277.2	307	0.9609

p=10Bar					p=11Bar				
T(°C)	v	u	h	s	T(°C)	v	u	h	s
46.0	0.01792	189.3	207.2	0.6928	46.0	0.01583	188	205.4	0.6819
62.0	0.0196	199.9	219.5	0.7304	62.0	0.01745	198.8	218	0.7206
78.0	0.02115	210.3	231.4	0.7652	78.0	0.01891	209.4	230.2	0.7561
94.0	0.0226	220.6	243.2	0.798	94.0	0.02028	219.9	242.2	0.7895
110.0	0.02398	230.9	254.9	0.8293	110.0	0.02157	230.3	254	0.8211
126.0	0.02532	241.3	266.6	0.8592	126.0	0.02282	240.7	265.9	0.8513
142.0	0.02662	251.7	278.4	0.888	142.0	0.02402	251.2	277.7	0.8803
158.0	0.0279	262.2	290.1	0.9159	158.0	0.0252	261.8	289.5	0.9083
174.0	0.02915	272.8	302	0.9428	174.0	0.02635	272.4	301.4	0.9354
190.0	0.03039	283.5	313.9	0.969	190.0	0.02749	283.1	313.4	0.9617

v=(m³/kg), u=(KJ/kg), h=(KJ/kg), s=(KJ/kg-k)

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p=12Bar					p=14Bar				
T(°C)	v	u	h	s	T(°C)	v	u	h	s
60	0.01545	196.4	214.9	0.7064	60.0	0.01257	194	211.6	0.688
74.44	0.01675	206.2	226.3	0.7397	74.4	0.0138	204.2	223.6	0.7232
88.89	0.01794	215.8	237.3	0.7708	88.9	0.01491	214.2	235.1	0.7556
103.3	0.01906	225.3	248.2	0.8003	103.3	0.01593	223.9	246.2	0.7858
117.8	0.02013	234.8	259	0.8284	117.8	0.0169	233.6	257.3	0.8146
132.2	0.02117	244.3	269.7	0.8554	132.2	0.01783	243.2	268.2	0.842
146.7	0.02217	253.8	280.5	0.8814	146.7	0.01872	252.9	279.1	0.8685
161.1	0.02316	263.4	291.2	0.9066	161.1	0.01959	262.5	290	0.894
175.6	0.02412	273.1	302	0.9311	175.6	0.02045	272.3	300.9	0.9187
190	0.02508	282.8	312.9	0.9549	190.0	0.02128	282	311.8	0.9427

v=(m³/kg), u=(KJ/kg), h=(KJ/kg), s=(KJ/kg-k)