

# Helio (He)

Vapor Sobrecalentado



T (°C)		-250	-200	-100	0	100	200	300	400	600	800	1000	1200
<b>5 kPa</b> <b>-270,96 °C</b>	v (m³/kg)	9,6180	30,3930	71,9370	113,4800	155,0300	196,5700	238,1200	279,6600	362,7500	445,8400	528,9300	612,0200
	u (kJ/kg)	77,32	233,13	544,72	856,30	1167,90	1479,50	1791,10	2102,60	2725,80	3349,00	3972,10	4595,30
	h (kJ/kg)	125,41	385,10	904,41	1423,70	1943,00	2462,30	2981,60	3500,90	4539,60	5578,20	6616,80	7655,40
	s (kJ/kg-K)	20,9450	26,9200	31,3950	33,7620	35,3820	36,6150	37,6110	38,4460	39,7970	40,8680	41,7560	42,5130
<b>10 kPa</b> <b>-270,65 °C</b>	v (m³/kg)	4,8093	15,1980	35,9700	56,7420	77,5140	98,2870	119,0600	139,8300	181,3800	222,9200	264,4600	306,0100
	u (kJ/kg)	77,30	233,13	544,72	856,31	1167,90	1479,50	1791,10	2102,60	2725,80	3349,00	3972,10	4595,30
	h (kJ/kg)	125,39	385,11	904,42	1423,70	1943,00	2462,30	2981,60	3501,00	4539,60	5578,20	6616,80	7655,40
	s (kJ/kg-K)	19,5040	25,4810	29,9550	32,3230	33,9430	35,1760	36,1710	37,0060	38,3570	39,4280	40,3160	41,0740
<b>20 kPa</b> <b>-270,26 °C</b>	v (m³/kg)	2,4049	7,6004	17,9870	28,3730	38,7590	49,1450	59,5310	69,9170	90,6890	111,4600	132,2300	153,0100
	u (kJ/kg)	77,26	233,12	544,72	856,31	1167,90	1479,50	1791,10	2102,60	2725,80	3349,00	3972,20	4595,30
	h (kJ/kg)	125,35	385,13	904,46	1423,80	1943,10	2462,40	2981,70	3501,00	4539,60	5578,20	6616,80	7655,40
	s (kJ/kg-K)	18,0620	24,0410	28,5150	30,8830	32,5030	33,7360	34,7310	35,5670	36,9180	37,9890	38,8760	39,6340
<b>40 kPa</b> <b>-269,77 °C</b>	v (m³/kg)	1,2027	3,8016	8,9948	14,1880	19,3810	24,5740	29,7670	34,9600	45,3460	55,7320	66,1180	76,5040
	u (kJ/kg)	77,17	233,11	544,73	856,32	1167,90	1479,50	1791,10	2102,70	2725,80	3349,00	3972,20	4595,30
	h (kJ/kg)	125,28	385,18	904,52	1423,80	1943,10	2462,40	2981,70	3501,00	4539,70	5578,30	6616,90	7655,50
	s (kJ/kg-K)	16,6190	22,6010	27,0760	29,4430	31,0630	32,2960	33,2920	34,1270	35,4780	36,5490	37,4360	38,1940
<b>80 kPa</b> <b>-269,16 °C</b>	v (m³/kg)	0,6016	1,9023	4,4989	7,0953	9,6917	12,2880	14,8850	17,4810	22,6740	27,8670	33,0600	38,2530
	u (kJ/kg)	77,00	233,09	544,74	856,33	1167,90	1479,50	1791,10	2102,70	2725,80	3349,00	3972,20	4595,30
	h (kJ/kg)	125,12	385,27	904,65	1424,00	1943,30	2462,60	2981,90	3501,20	4539,80	5578,40	6617,00	7655,60
	s (kJ/kg-K)	15,1710	21,1600	25,6360	28,0030	29,6230	30,8560	31,8520	32,6870	34,0380	35,1090	35,9960	36,7540
<b>120 kPa</b> <b>-268,73 °C</b>	v (m³/kg)	0,4012	1,2692	3,0003	4,7312	6,4621	8,1930	9,9239	11,6550	15,1170	18,5790	22,0410	25,5030
	u (kJ/kg)	76,82	233,06	544,75	856,35	1167,90	1479,50	1791,10	2102,70	2725,90	3349,00	3972,20	4595,40
	h (kJ/kg)	124,97	385,36	904,78	1424,10	1943,40	2462,70	2982,00	3501,30	4539,90	5578,50	6617,10	7655,70
	s (kJ/kg-K)	14,3220	20,3180	24,7940	27,1610	28,7810	30,0140	31,0100	31,8450	33,1960	34,2670	35,1540	35,9120
<b>160 kPa</b> <b>-268,40 °C</b>	v (m³/kg)	0,3011	0,9526	2,2510	3,5491	4,8472	6,1454	7,4436	8,7418	11,3380	13,9350	16,5310	19,1280
	u (kJ/kg)	76,65	233,04	544,75	856,36	1168,00	1479,50	1791,10	2102,70	2725,90	3349,00	3972,20	4595,40
	h (kJ/kg)	124,82	385,45	904,91	1424,20	1943,50	2462,80	2982,10	3501,40	4540,00	5578,60	6617,20	7655,80
	s (kJ/kg-K)	13,7170	19,7200	24,1960	26,5630	28,1830	29,4160	30,4120	31,2470	32,5980	33,6690	34,5570	35,3140
<b>200 kPa</b> <b>-268,11 °C</b>	v (m³/kg)	0,2410	0,7627	1,8014	2,8399	3,8783	4,9169	5,9554	6,9939	9,0711	11,1480	13,2250	15,3030
	u (kJ/kg)	76,48	233,01	544,76	856,38	1168,00	1479,60	1791,10	2102,70	2725,90	3349,10	3972,20	4595,40
	h (kJ/kg)	124,67	385,55	905,04	1424,30	1943,60	2462,90	2982,20	3501,50	4540,10	5578,70	6617,30	7655,90
	s (kJ/kg-K)	13,2460	19,2560	23,7330	26,1000	27,7200	28,9530	29,9490	30,7840	32,1350	33,2060	34,0930	34,8510