

## NATURAL GAS - Saturated water vapor content in Lb/MMSCF

	0	5	10	25	50	75	100	125	150	175	200	250	300	350	400	500	750	1000	1500	
	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG
100° F	3083	2305	1841	1151	712	518	409	338	289	253	225	186	159	139	124	103	74	60	45	
80° F	1649	1233	985	617	382	278	220	182	156	137	122	101	86	76	68	56	41	33	26	
75° F	1396	1044	834	522	324	236	186	155	132	116	104	86	73	64	58	48	35	29	22	
70° F	1178	881	704	441	273	199	157	131	112	98	88	72	62	55	49	41	30	24	19	
65° F	993	743	594	372	231	168	133	110	95	83	74	61	53	46	42	35	26	21	16	
60° F	836	625	500	313	194	142	112	93	80	70	63	52	45	39	35	30	22	18	14	
55° F	696	520	416	261	162	118	94	78	67	59	52	43	40	33	30	25	18	15	12	
50° F	580	434	347	218	135	99	78	65	56	49	44	36	34	28	25	21	16	13	10.0	
45° F	481	360	288	180	112	82	65	54	46	41	37	30	26	23	21	18	13	11	8.5	
40° F	397	297	237	149	93	68	54	45	38	34	30	25	22	19	17	15	11	9.0	7.2	
35° F	326	244	195	123	76	56	44	37	32	28	25	21	18	16	14	12	9.1	7.6	6.0	

From Monograph 8. "Gas Hydrates and their Relation to the Operation of Natural Gas Pipe Lines." By Deaton and Frost.

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## Water vapor content after dehydration with GasDry Prime in Lb/MMSCF

	0	5	10	25	50	75	100	125	150	175	200	250	300	350	400	500	750	1000	1500	
	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG
100° F	1696	1268	1013	633	392	285	225	186	159	139	124	102	87	76	68	57	41	33	25	
80° F	907	678	542	339	210	153	121	100	86	75	67	55	47	42	37	31	23	18	14	
75° F	768	574	459	287	178	130	102	85	73	64	57	47	40	35	32	26	19	16	12	
70° F	648	484	387	242	150	110	87	72	62	54	48	40	34	30	27	22	17	13	10.3	
65° F	546	408	327	204	127	93	73	61	52	46	41	34	29	25	23	19	14	11	8.9	
60° F	460	344	275	172	107	78	62	51	44	39	34	29	25	22	19	16	12	9.8	7.6	
55° F	383	286	229	143	89	65	51	43	37	32	29	24	22	18	16	14	10.1	8.3	6.5	
50° F	319	239	191	120	74	54	43	36	31	27	24	20	19	15	14	11	8.5	7.0	5.5	
45° F	264	198	158	99	62	45	36	30	26	22	20	17	14	13	11	9.6	7.2	5.9	4.7	
40° F	218	163	131	82	51	37	30	25	21	19	17	14	12	11	9.5	8.0	6.0	5.0	4.0	
35° F	179	134	107	67	42	31	24	20	17	15	14	11	10	8.7	7.9	6.7	5.0	4.2	3.3	

### Water vapor content of Natural Gas after GasDry Peak in Lb/MMSCF

	0 PSIG	5 PSIG	10 PSIG	25 PSIG	50 PSIG	75 PSIG	100 PSIG	125 PSIG	150 PSIG	175 PSIG	200 PSIG	250 PSIG	300 PSIG	350 PSIG	400 PSIG	500 PSIG	750 PSIG	1000 PSIG	1500 PSIG	
100° F	<b>Peak Desiccant is not recommended for operation above 70F.</b>																			
80° F																				
75° F																				
70° F	412	333	275	154	96	70	55	46	39	34	31	25	22	19.3	17.2	14.4	10.5	8.4	6.6	
65° F	347	268	238	130	81	59	46	39	33	29	26	21	18.6	16.1	14.7	13.3	9.1	7.3	5.6	
60° F	292	224	167	110	68	49	39	33	29	25	21	18.2	15.8	13.7	12.3	10.2	7.7	6.2	4.8	
55° F	243	158	146	91	91	41	33	27	23	21	18.2	15.1	14.0	11.6	10.5	8.8	6.4	5.3	4.1	
50° F	203	155	119	76	47	34	27	23	20	17.2	15.4	12.6	11.9	9.8	8.8	7.3	5.4	4.4	3.5	
45° F	168	130	100	63	39	29	23	18.9	16.1	14.4	12.6	10.5	9.1	8.1	7.4	6.1	4.6	3.7	2.9	
40° F	139	112	83	52	33	24	18.9	15.8	13.3	11.9	10.5	8.8	7.7	6.7	6.0	5.1	3.8	3.2	2.5	
35° F	114	88	68	43	27	20	15.4	13.7	11.2	9.8	8.8	7.4	6.3	5.6	5.0	4.2	3.3	2.6	2.1	

### Water vapor content of Natural Gas after in GasDry Max in Lb/MMSCF

	0 PSIG	5 PSIG	10 PSIG	25 PSIG	50 PSIG	75 PSIG	100 PSIG	125 PSIG	150 PSIG	175 PSIG	200 PSIG	250 PSIG	300 PSIG	350 PSIG	400 PSIG	500 PSIG	750 PSIG	1000 PSIG	1500 PSIG
100° F	401	355	236	150	93	67	53	44	38	33	29	24	21	18.1	16.1	13.4	9.6	7.5	5.9
80° F	214	164	126	80	50	36	28	24	20	17.8	15.9	13.1	11.2	9.9	8.8	7.3	5.3	4.3	3.3
75° F	181	149	118	68	42	31	24	20	17.2	15.1	13.4	11.2	9.5	8.3	7.5	6.2	4.6	3.8	2.9
70° F	153	124	102	57	35	26	20	16.9	14.6	12.7	11.4	9.4	8.1	7.2	6.4	5.3	3.9	3.1	2.4
65° F	129	100	89	48	30	22	17.2	14.3	12.4	10.8	9.6	7.9	6.9	6	5.5	4.9	3.4	2.7	2.1
60° F	109	83	62	41	25	18.3	14.6	12.1	10.8	9.1	7.8	6.8	5.9	5.1	4.6	3.8	2.9	2.3	1.8
55° F	90	59	54	34	21	15.3	12.1	10.1	8.7	7.7	6.8	5.6	5.2	4.3	3.9	3.3	2.4	2	1.5
50° F	75	58	44	28	18	12.7	10.1	8.5	7.3	6.4	5.7	4.7	4.4	3.6	3.3	2.7	2	1.7	1.3
45° F	62	48	37	23	14.6	10.7	8.5	7	6	5.3	4.7	3.9	3.4	3	2.7	2.3	1.7	1.4	1.1
40° F	51	41	31	19.2	12.1	8.8	7	5.9	4.9	4.4	3.9	3.3	2.9	2.5	2.2	1.9	1.4	1.2	0.9
35° F	42	33	25	15.9	9.9	7.3	5.7	5.1	4.2	3.6	3.3	2.7	2.3	2.1	1.9	1.6	1.2	1	0.8

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