

## OXYGEN

	WEIGHT		GAS		LIQUID	
	POUNDS lb	KILOGRAMS kg	CUBIC FEET scf	CUBIC METERS Nm <sup>3</sup>	GALLONS gal	LITERS L
1 pound	1.0	0.453592	12.08	0.3175	0.105	0.3973
1 kilogram	2.20462	1.0	26.64	0.6999	0.2315	0.8765
1 ton	2,000	907.18	24,160	635	210	795
1 scf Gas	0.08281	0.03756	1.0	0.02629	0.008695	0.03291
1 Nm <sup>3</sup> Gas	3.1496	1.4284	38.04	1.0	0.3307	1.2515
1 gal Liquid	9.528	4.321	115.1	3.025	1.0	3.78531
1 L Liquid	2.517	1.1416	30.45	0.79914	0.264172	1.0

## NITROGEN

	WEIGHT		GAS		LIQUID	
	POUNDS lb	KILOGRAMS kg	CUBIC FEET scf	CUBIC METERS Nm <sup>3</sup>	GALLONS gal	LITERS L
1 pound	1.0	0.453592	13.80	0.3627	0.148	0.5612
1 kilogram	2.20462	1.0	30.43	0.7996	0.326	1.237
1 ton	2,000	907.18	27,600	725.4	296	1122.4
1 scf Gas	0.07246	0.03287	1.0	0.02628	0.01072	0.040664
1 Nm <sup>3</sup> Gas	2.757	1.2506	35.30	1.0	0.37858	1.547
1 gal Liquid	6.745	3.059	93.09	2.4467	1.0	3.78531
1 L Liquid	1.782	0.80829	24.59	0.64633	0.264172	1.0

SCF (standard cubic foot) gas measured at 1 atmosphere and 70°F.  
Liquid measured at 1 atmosphere and boiling temperature.

Nm<sup>3</sup> (normal cubic meter) gas measured at 1 atmosphere and 0°C.

## ARGON

	WEIGHT		GAS		LIQUID	
	POUNDS lb	KILOGRAMS kg	CUBIC FEET scf	CUBIC METERS Nm <sup>3</sup>	GALLONS gal	LITERS L
1 pound	1.0	0.453592	9.676	0.2543	0.0860	0.3255
1 kilogram	2.20462	1.0	21.33	0.5606	0.1896	0.7178
1 ton	2,000	907.18	19,352	508.6	172	651
1 scf Gas	0.1034	0.0469	1.0	0.02628	0.00889	0.03366
1 Nm <sup>3</sup> Gas	3.931	1.783	38.04	1.0	0.3376	1.277
1 gal Liquid	11.628	5.2743	112.51	2.9570	1.0	3.78531
1 L Liquid	3.071	1.393	29.715	0.78091	0.264172	1.0

## NEON

	WEIGHT		GAS		LIQUID	
	POUNDS lb	KILOGRAMS kg	CUBIC FEET scf	CUBIC METERS Nm <sup>3</sup>	GALLONS gal	LITERS L
1 pound	1.0	0.453592	19.18	0.5041	0.09931	0.3759
1 kilogram	2.20462	1.0	42.28	1.1111	0.21892	0.8287
1 scf Gas	0.05215	0.02365	1.0	0.02628	0.005178	0.019603
1 Nm <sup>3</sup> Gas	1.983	0.89947	38.04	1.0	0.19691	0.7454
1 gal Liquid	10.07	4.5676	193.22	5.0778	1.0	3.78531
1 L Liquid	2.66	1.207	51.03	1.3410	0.264172	1.0

SCF (standard cubic foot) gas measured at 1 atmosphere and 70°F.  
Liquid measured at 1 atmosphere and boiling temperature.

Nm<sup>3</sup> (normal cubic meter) gas measured at 1 atmosphere and 0°C.

**GAS CONVERSION  
DATA**

**HELIUM**

	WEIGHT		GAS		LIQUID	
	POUNDS lb	KILOGRAMS kg	CUBIC FEET scf	CUBIC METERS Nm <sup>3</sup>	GALLONS gal	LITERS L
1 pound	1.0	0.453592	96.68	2.541	0.9593	3.631
1 kilogram	2.20462	1.0	213.14	5.601	2.115	8.005
1 ton	2,000	907.18	193,360	5,082	1,918.6	7,262
1 scf Gas	0.01034	0.00469	1.0	0.02628	0.009919	0.03754
1 Nm <sup>3</sup> Gas	0.3935	0.17848	38.04	1.0	0.37746	1.4288
1 gal Liquid	1.042	0.47264	100.74	2.6474	1.0	3.78531
1 L Liquid	0.2754	0.124919	26.625	0.69970	0.264172	1.0

**HYDROGEN**

	WEIGHT		GAS		LIQUID	
	POUNDS lb	KILOGRAMS kg	CUBIC FEET scf	CUBIC METERS Nm <sup>3</sup>	GALLONS gal	LITERS L
1 pound	1.0	0.453592	192.0	5.045	1.689	6.393
1 kilogram	2.20462	1.0	423.28	11.122	3.7236	14.0949
1 ton	2,000	907.18	384,000	10,090	3,378	12,786
1 scf Gas	0.005209	0.002363	1.0	0.02628	0.008798	0.03330
1 Nm <sup>3</sup> Gas	0.19817	0.08988	38.04	1.0	0.3347	1.2669
1 gal Liquid	0.5921	0.26857	113.68	2.987	1.0	3.78531
1 L Liquid	0.1564	0.07094	30.02	0.78892	0.264172	1.0

SCF (standard cubic foot) gas measured at 1 atmosphere and 70°F. Nm<sup>3</sup> (normal cubic meter) gas measured at 1 atmosphere and 0°C.  
Liquid measured at 1 atmosphere and boiling temperature.

**CARBON DIOXIDE**

	WEIGHT		GAS		LIQUID	
	POUNDS lb	KILOGRAMS kg	CUBIC FEET scf	CUBIC METERS Nm <sup>3</sup>	GALLONS gal	LITERS L
1 pound	1.0	0.453592	8.742	0.2297	0.1180	0.4466
1 kilogram	2.20462	1.0	19.272	0.5064	0.2601	0.98458
1 ton	2,000	907.18	17,484	459.4	236	893.3
1 scf Gas	0.1144	0.05189	1.0	0.02628	0.01349	0.05109
1 Nm <sup>3</sup> Gas	4.3535	1.974	38.04	1.0	0.5136	1.9443
1 gal Liquid	8.474	3.8437	74.079	1.946	1.0	3.78531
1 L Liquid	2.239	1.0155	19.574	0.5144	0.264172	1.0

SCF (standard cubic foot) gas measured at 1 atmosphere and 70°F. Nm<sup>3</sup> (normal cubic meter) gas measured at 1 atmosphere and 0°C.  
Liquid measured at 1 atmosphere and boiling temperature.

**NITROUS OXIDE**

	WEIGHT		GAS		LIQUID	
	POUNDS lb	KILOGRAMS kg	CUBIC FEET scf	CUBIC METERS Nm <sup>3</sup>	GALLONS gal	LITERS L
1 pound	1.0	0.453592	8.726	0.2293	0.1139	0.4311
1 kilogram	2.20462	1.0	19.237	0.5055	0.2511	0.9504
1 ton	2,000	907.18	17,452	458.6	227.8	862.2
1 scf Gas	0.1146	0.05198	1.0	0.02628	0.01305	0.04940
1 Nm <sup>3</sup> Gas	4.359	1.977	38.04	1.0	0.4964	1.879
1 gal Liquid	8.778	3.9816	76.6	2.0127	1.0	3.78531
1 L Liquid	2.319	1.0518	20.236	0.53174	0.264172	1.0

SCF (standard cubic foot) gas measured at 1 atmosphere and 68°F. Nm<sup>3</sup> (normal cubic meter) gas measured at 1 atmosphere and 0°C.  
Liquid measured at 1 atmosphere and boiling temperature.

**GAS CONVERSION  
DATA**

## METHANE

	WEIGHT		GAS		LIQUID	
	POUNDS lb	KILOGRAMS kg	CUBIC FEET scf	CUBIC METERS Nm <sup>3</sup>	GALLONS gal	LITERS L
1 pound	1.0	0.453592	24.07	0.63255	0.2816	1.0659
1 kilogram	2.20462	1.0	53.065	1.3945	0.62082	1.3499
1 ton	2,000	907.18	48,140	1,265.1	563.2	2,131.8
1 scf Gas	0.04155	0.01884	1.0	0.02628	0.01170	0.04428
1 Nm <sup>3</sup> Gas	1.5809	0.7170	38.04	1.0	0.4451	1.6851
1 gal Liquid	3.55	1.610	85.448	2.2455	1.0	3.78531
1 L Liquid	0.93817	0.42554	22.581	0.59342	0.264172	1.0

SCF (standard cubic foot) gas measured at 1 atmosphere and 70°F.  
Liquid measured at 1 atmosphere and boiling temperature.

Nm<sup>3</sup> (normal cubic meter) gas measured at 1 atmosphere and 0°C.

## PROPANE

	WEIGHT		GAS		LIQUID	
	POUNDS lb	KILOGRAMS kg	CUBIC FEET scf	CUBIC METERS Nm <sup>3</sup>	GALLONS gal	LITERS L
1 pound	1.0	0.453592	8.623	0.2266	0.2369	0.8967
1 kilogram	2.20462	1.0	19.01	0.49958	0.52222	1.9768
1 ton	2,000	907.18	17,246	453.2	473.8	1,793.4
1 scf Gas	0.1160	0.05261	1.0	0.02628	0.02748	0.1040
1 Nm <sup>3</sup> Gas	4.413	2.0	38.04	1.0	1.0454	3.9571
1 gal Liquid	4.22	1.914	36.389	0.9563	1.0	3.78531
1 L Liquid	1.1152	0.5058	9.616	0.25270	0.264172	1.0

SCF (standard cubic foot) gas measured at 1 atmosphere and 70°F.  
Liquid measured at 1 atmosphere and boiling temperature.

Nm<sup>3</sup> (normal cubic meter) gas measured at 1 atmosphere and 0°C.

**GAS CONVERSION  
DATA**