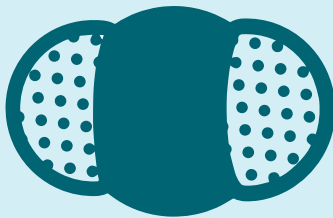


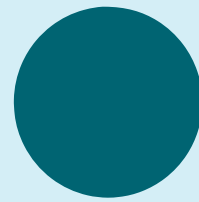
Converting Units of Measure for Gas



Ar



CO₂



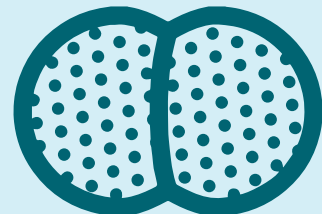
He



H₂



N₂



O₂

Argon	GAS		LIQUID		WEIGHT			
	Cubic Feet (scf)	Cubic Meters (nm ³)	Gallons (gal)	Liters (l)	Pounds (lb)	Kilograms (kg)	Short Tons (t)	Metric Tons (mt)
Cubic Feet (scf)	1.0000	0.0263	0.0089	0.0337	0.1034	0.0469	0.0001	0.0000
Cubic Meters (nm ³)	38.040	1.0000	0.3382	1.2802	3.9333	1.7841	0.0020	0.0018
Gallons (gal)	112.48	2.9558	1.0000	3.7854	11.630	5.2753	0.0058	0.0053
Liters (l)	29.713	0.7811	0.2642	1.0000	3.0723	1.3936	0.0015	0.0014
Pounds (lb)	9.6710	0.2543	0.0860	0.3255	1.0000	0.4536	0.0005	0.0005
Kilograms (kg)	21.321	0.5605	0.1896	0.7176	2.2050	1.0000	0.0011	0.0010
Short Tons (t)	19,342	508.47	172.00	650.97	2,000.0	907.20	1.0000	0.9072
Metric Tons (mt)	21,320	560.50	189.56	717.58	2,205.0	1,000.00	1.1023	1.0000

scf: Gas measured at 1 atmosphere and 70°F
nm³: Gas measured at 1 atmosphere and 0°C
Liquid: measured at 1 atmosphere and boiling temperature

Carbon Dioxide	GAS		LIQUID		WEIGHT			
	Cubic Feet (scf)	Cubic Meters (nm ³)	Gallons (gal)	Liters (l)	Pounds (lb)	Kilograms (kg)	Short Tons (t)	Metric Tons (mt)
Cubic Feet (scf)	1.0000	0.0263	0.0135	0.0511	0.1144	0.0519	0.0001	0.0001
Cubic Meters (nm ³)	38.040	1.0000	0.5138	1.9449	4.3517	1.9739	0.0022	0.0020
Gallons (gal)	74.039	1.9463	1.0000	3.7854	8.4700	3.8419	0.0042	0.0038
Liters (l)	19.562	0.5134	0.2642	1.0000	2.2375	1.0149	0.0011	0.0010
Pounds (lb)	8.7413	0.2298	0.1181	0.4469	1.0000	0.4536	0.0005	0.0005
Kilograms (kg)	19.271	0.5066	0.2603	0.9853	2.2046	1.0000	0.0011	0.0010
Short Tons (t)	17,482	459.58	236.13	893.84	2,000.0	907.20	1.0000	0.9072
Metric Tons (mt)	19,271	506.60	260.29	985.29	2,204.6	1,000.0	1.1023	1.0000

scf: gas measured at 1 atmosphere and 70°F
nm³: gas measured at 1 atmosphere and 0°C
Liquid CO₂: measured at 21.42 atmospheres and 1.7°F.
Solid CO₂: measured at 109.25°F



Visit [Airgas.com](https://www.airgas.com) to use our digital UOM calculator.

Helium	GAS		LIQUID		WEIGHT			
	Cubic Feet (scf)	Cubic Meters (nm ³)	Gallons (gal)	Liters (l)	Pounds (lb)	Kilograms (kg)	Short Tons (t)	Metric Tons (mt)
Cubic Feet (scf)	1.00000	0.02629	0.00992	0.03755	0.01034	0.00469	0.00001	0.00000
Cubic Meters (nm ³)	38.0400	1.00000	0.37737	1.42850	0.39333	0.17841	0.00020	0.00018
Gallons (gal)	100.803	2.64992	1.00000	3.78541	1.04230	0.47278	0.00052	0.00047
Liters (l)	26.6293	0.70001	0.26417	1.00000	0.27535	0.12490	0.00014	0.00012
Pounds (lb)	96.7118	2.54237	0.95941	3.63179	1.00000	0.45359	0.00050	0.00045
Kilograms (kg)	213.213	5.60498	2.11515	8.00672	2.20462	1.00000	0.00110	0.00100
Short Tons (t)	193,423	5,084.75	1,918.83	7,263.57	2,000.00	907.185	1.00000	0.90719
Metric Tons (mt)	213,213	5,603.97	2,115.15	8,006.72	2,204.62	1,000.00	1.10231	1.00000

scf: Gas measured at 1 atmosphere and 70°F

nm³: Gas measured at 1 atmosphere and 0°C

Liquid: measured at 1 atmosphere and boiling temperature

Hydrogen	GAS		LIQUID		WEIGHT			
	Cubic Feet (scf)	Cubic Meters (nm ³)	Gallons (gal)	Liters (l)	Pounds (lb)	Kilograms (kg)	Short Tons (t)	Metric Tons (mt)
Cubic Feet (scf)	1.00000	0.02629	0.00882	0.03339	0.00521	0.00236	0.00000	0.00000
Cubic Meters (nm ³)	38.0400	1.00000	0.33551	1.27003	0.19815	0.08988	0.00010	0.00009
Gallons (gal)	113.381	2.98057	1.00000	3.78541	0.59060	0.26790	0.00030	0.00027
Liters (l)	29.9520	0.78738	0.26417	1.00000	0.15602	0.07077	0.00008	0.00007
Pounds (lb)	191.975	5.04667	1.69319	6.40943	1.00000	0.45360	0.00050	0.00045
Kilograms (kg)	423.233	11.1260	3.73300	14.1304	2.20462	1.00000	0.00110	0.00100
Short Tons (t)	383,951	10,093.4	3,386.39	12,818.9	2,000.00	907.185	1.00000	0.90718
Metric Tons (mt)	423,233	11,126.0	3,732.85	14,130.4	2,204.62	1,000.00	1.10231	1.00000

scf: Gas measured at 1 atmosphere and 70°F

nm³: Gas measured at 1 atmosphere and 0°C

Liquid: measured at 1 atmosphere and boiling temperature



Visit [Airgas.com](https://www.airgas.com) to use our digital UOM calculator.

Nitrogen	GAS		LIQUID		WEIGHT			
	Cubic Feet (scf)	Cubic Meters (nm ³)	Gallons (gal)	Liters (l)	Pounds (lb)	Kilograms (kg)	Short Tons (t)	Metric Tons (mt)
Cubic Feet (scf)	1.0000	0.0263	0.0107	0.0407	0.0725	0.0329	0.0000	0.0000
Cubic Meters (nm ³)	38.040	1.0000	0.4086	1.5467	2.7570	1.2506	0.0014	0.0013
Gallons (gal)	93.110	2.4470	1.0000	3.7854	6.7450	3.0600	0.0034	0.0031
Liters (l)	24.594	0.6465	0.2642	1.0000	1.7818	0.8082	0.0009	0.0008
Pounds (lb)	13.803	0.3628	0.1483	0.5612	1.0000	0.4536	0.0005	0.0005
Kilograms (kg)	30.430	0.7999	0.3269	1.2373	2.2046	1.0000	0.0011	0.0010
Short Tons (t)	27,605	725.69	296.52	1,122.4	2,000.0	907.18	1.0000	0.9072
Metric Tons (mt)	30,430	799.94	326.85	1,237.3	2,204.6	1,000.0	1.1023	1.0000

scf: Gas measured at 1 atmosphere and 70°F
 nm³: Gas measured at 1 atmosphere and 0°C
 Liquid: measured at 1 atmosphere and boiling temperature

Oxygen	GAS		LIQUID		WEIGHT			
	Cubic Feet (scf)	Cubic Meters (nm ³)	Gallons (gal)	Liters (l)	Pounds (lb)	Kilograms (kg)	Short Tons (t)	Metric Tons (mt)
Cubic Feet (scf)	1.0000	0.0263	0.0087	0.0329	0.0828	0.0376	0.0000	0.0000
Cubic Meters (nm ³)	38.040	1.0000	0.3306	1.2516	3.1501	1.4290	0.0016	0.0014
Gallons (gal)	115.100	3.0250	1.0000	3.7854	9.5270	4.3214	0.0048	0.0043
Liters (l)	30.392	0.7990	0.2642	1.0000	2.5170	1.1416	0.0013	0.0011
Pounds (lb)	12.076	0.3175	0.1050	0.3973	1.0000	0.4536	0.0005	0.0005
Kilograms (kg)	26.623	0.6999	0.2314	0.8760	2.2046	1.0000	0.0011	0.0010
Short Tons (t)	24,151	634.90	209.93	794.67	2,000.0	907.18	1.0000	0.9072
Metric Tons (mt)	26,622	699.86	231.41	875.97	2,204.6	1,000.0	1.1023	1.0000

scf: Gas measured at 1 atmosphere and 70°F
 nm³: Gas measured at 1 atmosphere and 0°C
 Liquid: measured at 1 atmosphere and boiling temperature



Visit [Airgas.com](https://www.airgas.com) to use our digital UOM calculator.

Fill Your Potential.™

Contact us
 800.909.8058 | info@airgas.com

MCM-562 | ©2023 Airgas, Inc.

Airgas
 an Air Liquide company