Conversion Factors

TO CONVERT	INTO	MULTIPLY BY	TO CONVERT	INTO	MULTIPLY BY
Atmospheres	cms of mercury	76.0	Cubic Feet	cubic cm	2.832×10^4
atmospheres	ft. of water (at 4ºC)	33.90	cu ft	cu inches	1728
atmospheres	in of mercury		cu ft	cu meters	0.02832
	(at 0º C)	29.92	cu ft	cu yds	0.03704
atmospheres	kgs/sq cm	1.0333	cu ft	gals	7.48052
atmospheres	kgs/sq meter	10.332	cu ft	liters	28.32
atmospheres	pound/sq in	14.70	cu ft	pints (liq)	59.84
			cu ft	quarts (liq)	29.92
Bar	newtons/sq m	10^5	Cu Ft/min	cu cm/sec	472.0
bar	atmospheres	0.9869	cu ft/min	gals/sec	0.1247
bar	at (tech.)	1.0197	cu ft/min	liters/sec	0.4720
bar	psi	14.504	cu ft/min	lbs water/min	62.43
			cu ft/sec	gals/min	448.831
Barrels–Oil	gals/oil	42			
BT Units	kg–calories	0.2520	Cu Inches	cc	16.39
BTUs	ft–lbs	777.9	cu in	cu ft	5.787×10^4
BTUs	hp–hrs	3.927×10^4	cu in	cu meters	1.639×10^{-5}
BTUs	kgs–meters	107.5	cu in	cu yds	2.143×10^{-5}
BTUs	kw–hrs	2.928×10^4	cu in	gals	4.329×10^{-3}
			cu in	liters	1.639×10^{-2}
BTU/Min	ft–lb/sec	12.96	cu in	pints (liq)	0.03463
BTU/min	hp	0.02356	cu in	quarts (liq)	0.01732
BTU/min	kw	0.01757			
BTU/min	watts	17.57	Cu Meters	cc	10^4
			cu M	cu ft	35.31
Centimeters	inches	0.3937	cu M	cu in	61,023
cm	meters	0.01	cu M	cu yds	1.308
cm	mm	10	cu M	gals	264.2
			cu M	liters	10^3
Cm mercury	atm	0.01316	cu M	pints (liq)	2113
cm mercury	ft water	0.4461	cu M	quarts (liq)	1057
cm mercury	kgs/sq meter	136.0			
cm mercury	lbs/sq ft	27.85	Cu Yards	cu cm	7.646×10^5
cm mercury	lbs/sq in	0.1934	cu yds	cu ft	27
			cu yds	cu in	46,656
Cm/second	ft/min	1.969	cu yds	cu meters	0.7646
cm/sec	ft/sec	0.03281	cu yds	gals	202.0
cm/sec	km/hr	0.036			
cm/sec	meter/min	0.6	Decimeters	meters	0.1
cm/sec	miles/hr	0.02237			
cm/sec	miles/min	3.728×10^4	Degrees (Angle)	minutes	60
			degs (angle)	radians	0.01745
Cm/Sec/Sec	ft/sec/sec	0.03281	degs (angle)	secs	3600
Cubic Cm	cu ft	3.531×10^{-5}			
cu cm	cu in	6.102×10^{-2}			
cu cm	cu meters	10^6			
cu cm	cu yds	1.308×10^{-6}			
cu cm	gals	2.642×10^4			
cu cm	liters	10^{-3}			
cu cm	pints (liq)	2.113×10^{-3}			
cu cm	quarts (liq)	1.057×10^{-3}			