

# BİRİMLER ARASI KOLAY ÇEVİRİM TABLOSU

## Easy Cycling Table Between Modules

BASINÇ / PRESSURE								
	psi	Inch Su/Water 60°F	Inch Hg Civa/Mercury 32°F	atm	mm Hg 32°F	bar	Kgf/cm <sup>2</sup>	pascal
psi	1	27.708	2.0360	0.068046	51.715	0.68948	0.070306	6894.8
inç su	0.036091	1	0.073483	2.4559x10 <sup>-3</sup>	1.8665	2.4884x10 <sup>-3</sup>	2.537x10 <sup>-3</sup>	248.84
inç Hg	0.491154	13.609	1	0.33421	25.4	0.33864	0.034532	3386.4
atm	14.6960	407.19	29.921	1	760	1.01325	1.03323	101325
mm Hg	0.019336	0.53578	0.03937	1.31579x10 <sup>-3</sup>	1	1.3332x10 <sup>-3</sup>	1.3595x10 <sup>-3</sup>	133.32
bar	14.5038	401.86	29.53	0.98692	750.062	1	1.01972	100000
kgf/cm <sup>2</sup>	14.223	394.1	28.959	0.96784	735.559	0.980665	1	98066.5
pascal	1.45038x10 <sup>-4</sup>	4.0186x10 <sup>-3</sup>	2.953x10 <sup>-4</sup>	9.8692x10 <sup>-6</sup>	7.50x10 <sup>-6</sup>	10 <sup>-5</sup>	1.01972x10 <sup>-5</sup>	1

HACİM / VOLUME					
	inç <sup>3</sup>	ft <sup>3</sup>	gallon	İter	m <sup>3</sup>
inç <sup>3</sup>	1	0.0005787	0.004329	0.0163871	1.6387x10 <sup>-5</sup>
ft <sup>3</sup>	1728	1	7.48052	28.317	0.028317
gallon	231	0.13368	1	3.7854	0.0037854
İter	61.02374	0.035315	0.264173	1	0.001
m <sup>3</sup>	61023.74	35.315	264.173	1000	1

ENERJİ / ENERGY					
	Btu	ft.lbf	calori	joule	Watt-hour
Btu	1	778.17	251.9958	1055.056	0.293071
ft.lbf	1.2851x10 <sup>-3</sup>	1	0.32383	1.355818	3.7666x10 <sup>-4</sup>
calori	3.9683x10 <sup>-3</sup>	3.08803	1	4.1868	0.00163
joule	9.4782x10 <sup>-4</sup> .9683x10	0.73756	0.23885	1	2.7778x10 <sup>-4</sup>
Watt-hour	3.41214	2655.22	859.85	3600	1

YOĞUNLUK / DENSITY				
	lb/ft <sup>3</sup>	lb/gal	g/cm <sup>3</sup>	kg/m <sup>3</sup>
lb/ft <sup>3</sup>	1	0.133680	0.016018	16.018463
lb/gal	7.48055	1	0.119827	119.827
g/cm <sup>3</sup>	62.428	8.34538	1	1000
kg/m <sup>3</sup>	0.062428	0.008345	0.001	1

ÖZGÜL HACİM / SPECIFIC VOLUME				
	ft <sup>3</sup> /lb	gal/lb	cm <sup>3</sup> /g	m <sup>3</sup> /kg
ft <sup>3</sup> /lb	1	7.48055	62.428	0.062428
gal/lb	0.13368	1	8.34538	0.008345
cm <sup>3</sup> /g	0.016018	0.119827	1	0.001
m <sup>3</sup> /kg	16.018463	119.827	1000	1

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### KÜTLE / MASS

	lb	grain	ons	kg
lb	1	7000	16	0.45359
grain	$1.4286 \times 10^{-4}$	1	$2.2857 \times 10^{-3}$	$6.48 \times 10^{-5}$
ons	0.0625	437.5	1	0.02835
kg	2.20462	15432	35.274	1

### ÖZGÜL ISI (YADA ENTROPİ) / SPECIFIC TEMPERATURE (OR ENTROPY)

	Btu/ ( lb.ft.°F )	Cal/ ( g.K )	KJ/ ( kg.K )
Btu/ ( lb.ft.°F )	1	1	4.1868
Cal/ ( g.K )	1	1	4.1868
KJ/ ( kg.K )	0.23885	0.23885	1

### ENTALPİ / ENTHALPY

	Btu/lb	Cal/g	J/g
Btu/lb	1	0.55556	2.326
Cal/g	1.8	1	4.1868
J/g	0.42992	0.23885	1

### İLETKENLİK / CONDUCTIVITY

	Btu/ ( h.ft.°F )	Cal/ ( s.cm.°C )	W/ ( m.K )
Btu/ ( h.ft.°F )	1	0.0041338	1.7307
Cal/ ( s.cm.°C )	241.91	1	418.68
W/ ( m.K )	0.5779	0.002388	1

### VİSKOZİTE / VISCOSITY

	poise	lbf.s/ft <sup>2</sup>	Lbf.h/ft <sup>2</sup>	kg/m.s	Lbm/ft.s
poise	1	0.0020885	$5.8014 \times 10^{-7}$	0.1	0.0671955
lbf.s/ft <sup>2</sup>	487.8026	1	$2.7778 \times 10^{-4}$	47.88026	32.17405
Lbf.h/ft <sup>2</sup>	1723689	3600	1	172369	$1.72369 \times 10^{-6}$
kg/m.s	10	0.020885	$5.8014 \times 10^{-6}$	1	0.0671955
Lbm/ft.s	14.8819	0.031081	$8.6336 \times 10^{-6}$	1.4882	1

### ISI TRANSFER KATSAYISI / TEMPERATURE TRANSFER PARAMETER

	Btu/ ( h.ft <sup>2</sup> .°F )	Cal/ ( s.cm <sup>2</sup> .°C )	Kcal/ ( h.m <sup>2</sup> .°C )	W/ ( m <sup>2</sup> K )
Btu/ ( h.ft <sup>2</sup> .°F )	1	0.00007535	2.712	3.154
Cal/ ( s.cm <sup>2</sup> .°C )	13272	1	36000	41870
Kcal/ ( h.m <sup>2</sup> .°C )	0.3687	0.00002778	1	0.00011163
W/ ( m <sup>2</sup> K )	0.317	0.00002388	0.86	1