Factors for conversion of SI units

mass		*pressure*	
1 lb	0.454 kg	1 lbf/in^2	6.895 kN/m^2
1 ton	1016 kg	1 atm	101.3 kN/m^2
		1 bar	100 kN/m
length		1 ft water	2.99 kN/m^2
1 in	25.4 mm	1 in water	2.49 N/m^2
1 ft	0.305 m	1 in Hg	3.39 kN/m^2
1 mile	1.609 km	1 mm Hg	133 N/m^2
time		*viscosity*	
1 min	60 s	1 P	0.1 N s/m^2
1 h	3.6 ks	1 lb/ft h	0.414 mN s/m^2
1 day	86.4 ks	1 stoke	10^{-4} m^2/s
1 year	31.5 Ms	1 ft^2/h	0.258 cm^2/s
area		*mass flow*	
1 in^2	645.2 mm^2	1 lb/h	0.126 g/s
1 ft^2	0.093 m^2	1 ton/h	0.282 kg/s
		1 lb/h ft^2	1.356 g/s m^2
volume		*thermal*	
1 in^3	16,387.1 mm^3	1 Btu/h ft^2	3.155 W/m^2
1 ft^3	0.0283 m^3	1 Btu/h ft^2 °F	5.678 W/m^2 K
1 UK gal	4546 cm^3	1 Btu/lb	2.326 kJ/kg
1 US gal	3786 cm^3	1 Btu/lb °F	4.187 kJ/kg K
		1 Btu/h ft °F	1.731 W/m K
force		*energy*	
1 pdl	0.138 N	1 kWh	3.6 MJ
1 lb	4.45 N	1 therm	106.5 MJ
1 dyne	10^{-5} N		
energy		*calorific value*	
1 ft lb	1.36 J	1 Btu/ft^3	37.26 kJ/m^3
1 cal	4.187 J	1 Btu/lb	2.326 kJ/kg
1 erg	10^{-7} J		
1 Btu	1.055 kJ		
power		*density*	
1 h.p.	745 W	1 lb/ft^3	16.02 kg/m^3
1 Btu/h	0.293 W		