

Umrechnungseinheiten

Drücke / Längenmaße / Flüssigkeiten / Temperatur / Volumen

Einheit	Benennung	Symbol	Wert	
Druck	Pascal	PA	1 PA	= 1 N/m ² = 0,00001 bar
	Mega Pascal	MPA	1 MPA	= 10 bar
	pounds per square inch	psi	1 psi	= 0,069 bar
	Atmosphäre (phys)	atm.	1 atm.	= 1,013 bar
	Atmosphäre (techn.)	at.	1 at.	= 1 kgf/cm ² = 0,98 bar
	Meter Quecksilber	mHg	1 mHg	= 1,33 bar
	Torr (Vacuum, Vakuum)	MQs		
	inch of mercury	Torr	1 Torr	= 1mmHg = 0,0013 bar (abs.)
	meter water gauge	in Hg	1 in Hg	= ,00339 bar
	meter waterkolom	mwk, mwg	1 mwk	= 0,098 bar
	Meter Wassersäule	MWs		
	inch water gauge	in wg	1 in wg	= 0,00249 bar
Längenmaße	Meter	m	1 m	= 1000 mm
	Micrometer	µm	1 µm	= 0,001 mm
	inch	in (")	1 in	= 25,4 mm
	foot (= 12 inch)	ft	1 ft	= 304,8 mm
	yard (= 3 feet)	yd	1 yd	= 914,4 mm
Flüssigkeiten	Liter	l	1 l	= 1 dm ³
	cubic inch	cu in	1 cu in	= 0,016 l
	cubic feet	cu ft	1 cu ft	= 28,32 l
	cubic yard	cu yd	1 cu yd	= 746,6 l
	US-gallon	US-gallon	1 US-gallon	= 3,785 l
	Imp-gallon	Imp-gallon	1 Imp-gallon	= 4,546 l
	US-barrel (Öl)	US-barrel (Öl)	1 US-barrel	= 159 l
Temperaturen	Grad Fahrenheit	°F	1°C	= (°F-32) x 5/9
	Grad Kelvin	K	1°C	= K - 273
Drehmomente	foot pound	ft lb	1 ft lb	= 1,356 Nm
	kilogrammometer, kilopoundmeter	kgm, kpm	1 kgm	= 9,81 Nm
Volumen Durchfluß	Kubik pro Sekunde	m ³ /s	1 m ³ /S	= $\frac{1}{3600}$ m ³ /h
	Cubic feet per hour	cu ft/h	1 cu ft/h	= 0,0283 m ³ /h
	gallons pro Minute	gall/min.	1 gall/min	= 0,227 m ³ /h
	Torr Liter/Sekunde (Vakuum)	Torr l/s	1 Torr l/s	= 1,33 mbar l/s
Viskosität	Centistokes (kinemat. Viscosit.)	cSt	1 cSt	= 1 mm ² /s
	Poise (dynam. Viscosit.)	P	1 P	= 0,1 Pa.s
Nomenklatur	Meag	M	1.000.000	= 106
	Kilo	K	1.000	= 103
	Deca	da	10	= 10
	Deci	d	0,1	= 10 ⁻¹
	Centi	c	0,01	= 10 ⁻²
	Milli	m	0,001	= 10 ⁻³
	Micro	µ	0,00001	= 10 ⁻⁶