

## **Pressure Measurement**

### **U.S. to Metric**

pounds/square inch (psi)	x	6895	=	pascals (Pa)
pounds/square inch (psi)	x	0.070307	=	kilograms/sq cm (kg/cm <sup>2</sup> )
pounds/square feet (lb/ft <sup>2</sup> )	x	47.8803	=	pascals (Pa)
pounds/square feet (lb/ft <sup>2</sup> )	x	0.000488	=	kilograms/sq cm (kg/cm <sup>2</sup> )
pounds/square feet (lb/ft <sup>2</sup> )	x	4.8824	=	kilograms/sq meter (kg/m <sup>2</sup> )
inches of mercury	x	3,376.80	=	pascals (Pa)
inches of water	x	248.84	=	pascals (Pa)
bar	x	100,000	=	newtons/square meter

### **Metric to U.S.**

pascals (Pa)	x	1	=	newtons per square meter
pascals (Pa)	x	0.000145	=	pounds/square inch (psi)
kilopascals (kPa)	x	0.145	=	pounds/square inch (psi)
pascals (Pa)	x	0.000296	=	inches of mercury (at 60 degrees F)
kilograms/sq cm (kg/cm <sup>2</sup> )	x	14.22	=	pounds/square inch (psi)
kilograms/sq cm (kg/cm <sup>2</sup> )	x	28.959	=	inches of mercury (at 60 degrees F)
kilograms/sq meter (kg/m <sup>2</sup> )	x	0.2048	=	pounds per square foot (lb/ft <sup>2</sup> )
centimeters of mercury	x	0.4461	=	feet of water
centimeters of mercury	x	0.1939	=	lbs per square inch (lb/ft <sup>2</sup> )

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