

A collection of short
pointed topical papers.

Cold W.A.R.

Whether it's **A**ir Conditioning or **R**efrigeration



Common Prefixes and Scientific Notations

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Common Prefixes and Scientific Notations

Prefixes are used where very large or very small quantities must be expressed.

Prefix	Symbol	Value	Notation
tera	T	1,000,000,000,000.0	10^{12}
giga	G	1,000,000,000.0	10^9
mega	M	1,000,000.0	10^6
kilo	k	1,000.0	10^3
hecto	h	100.0	10^2
deka	da	10.0	10^1
–	–	1.0	10^0
deci	d	0.1	10^{-1}
centi	c	0.01	10^{-2}
milli	m	0.001	10^{-3}
micro	μ	0.000 001	10^{-6}
nano	n	0.000 000 001	10^{-9}
pico	p	0.000 000 000 001	10^{-12}
femto	f	0.000 000 000 000 001	10^{-15}
atto	a	0.000 000 000 000 000 001	10^{-18}

In the HVACR industry, the most commonly used prefixes are:

mega —————→ *megaohms*
kilo —————→ *kilowatts*
 └————→ *kilograms*

milli —————→ *milliamps*
 └————→ *millivolts*
micro —————→ *microfarads*