

January 9, 2003

GUIDELINES For Committee C4 on Vitrified Clay Pipe For  
Converting Inch-Pound Units to SI Units

The SI units will be placed after the inch-pound units in parentheses

**General**

Convert inches to millimeters

Convert feet to meters

Convert psi to kPa for conversions to 1000

Convert kPa to MPa for kPa conversions greater than 1000

Where temperature is given in degrees C, it is not necessary to convert to degrees F and show in parentheses

**Conversion Factors**

inch to millimeters	multiply by 25.4
inch <sup>2</sup> to millimeters <sup>2</sup>	multiply by 645
feet to meters	multiply by 0.305
psi to kPa	multiply by 6.90
kPa to MPa	divide by 1000
in./linear ft to mm/linear m	multiply by 83.3
lbf/linear in. to kN/linear m	multiply by 0.175
lbf/linear in. to N/linear mm	multiply by 0.175
lbf/linear ft to kN/linear m	multiply by 0.0146
lbf to N	multiply by 4.45
<sup>o</sup> F to <sup>o</sup> C.	subtract 32 and multiply by 0.556

**Rounding of Converted Numbers**

From 0.1 to 1.0, round to nearest hundredth

Greater than 1.0 to 10, round to nearest tenth

Greater than 10 to 100, round to nearest whole number

Greater than 100 to 1000, round to nearest 5

Greater than 1000, round to nearest 10