

How to Convert BTU Pressure Bases

To convert pressure bases divide the pressure base you are changing to by the pressure base you are currently in and multiply that value against the original gross/dry BTU value.

Example 1:

How to convert 1050.1 gross/dry BTU/scf @ 14.696 psia & 60°F to gross/dry BTU/scf @ 14.73 psia & 60°F.

$$\frac{14.73}{14.696} = 1.0023$$

$$1.0023 \times 1050.1 = 1052.5 \text{ gross/dry BTU/scf @ } 14.73 \text{ \& } 60^{\circ}\text{F}$$

Example 2 :

How to convert 1050.1 gross/dry BTU/scf @ 14.73 psia & 60°F to gross/dry BTU/scf @ 14.96 psia & 60°F

$$\frac{14.696}{14.73} = 0.9977$$

$$0.9977 \times 1050.1 = 1047.7 \text{ gross/dry BTU/scf @ } 14.696 \text{ psia \& } 60^{\circ}\text{F}$$

