

FORMULAS

1 ft³ of water = 6.228 gal.

$$\mathbf{Btuh = M \times C \times \Delta T}$$

$$\mathbf{E = I \times R}$$

- E = voltage
- I = current
- R = resistance

$$\mathbf{P = V \times A}$$

- P = power
- V = volt
- A = ampere

$$\mathbf{VA = I \times E}$$

- VA = volt – ampere
- I = current
- E = volt

$$\mathbf{ft^3 / hr. = \frac{\text{Size of dial}}{\text{spr}} \times 3\,600 \times \text{Pressure factor}}$$

- ft³ / hr. = cubic foot per hour
- spr = number of seconds per rotation

$$\mathbf{\text{Pressure factor} = \frac{\text{Atmospheric pressure} + \text{Gauge pressure}}{\text{Base pressure}}}$$