

# Flow Measurement Equations

Bernoulli and Navier Stokes Equations

Flow Measurement Equations

Statics Equations

Control Volume Equations

Open Channel Flow Equations

Using Confluence - Tips and Tricks

Dimensional Analysis Equations

Pipe Flow Equations

Equations

Process Controller equations

Flocculation Equations

Sedimentation Equations

$$Q = C_s A_2 \sqrt{\frac{2(p_1 - p_2)}{\rho [1 - (d_2/d_1)^2]}} \quad \text{Venturi flowrate}$$

orifice equation

$$Q_{\text{orifice}} = K_{\text{orifice}} A_{\text{orifice}} \sqrt{2gh} \quad \text{Orifice flowrate}$$

$$d_{\text{orifice}} = \sqrt{\frac{4Q_{\text{orifice}}}{\pi K_{\text{orifice}} \sqrt{2gh}}} \quad D_{\text{orifice}}$$

hypochlorinator draining through orifice equation

$$\frac{Q}{Q_0} = 1 - \frac{1}{2} \frac{t}{t_{\text{drainage}}} \frac{h_{\text{eff}}}{h_0} \quad \text{Hypochlorinator Q vs t}$$