

## **Useful Formulas for Chlorine Addition**

Feeding Gas Chlorine (lbs/day)

Dosage (mg/L) = 
$$\frac{lb/day}{MGD \cdot 8.34lb/gal}$$

Feeding Sodium Hypochlorite

$$Gallons/day = \frac{Volume, MGD \cdot concentration, mg \ / \ L \cdot 8.34lb \ / \ gal}{lb \ / \ gal}$$

## Examples:

The chlorine dosage rate at a water treatment plant is 3 mg/L. The flow rate of the plant is 1 MGD (694 gpm). How many pounds per day of chlorine are required?

 $Mg/L \times MGD \times 8.34 \text{ lb/gal} = \text{lb/day}$ 

 $3 \text{ mg/L } \times 1 \text{ MGD } \times 8.34 = 25.02 \text{ lb/day}$ 

Inyo Process offers a complete line of chemical diffusers and injection quills suitable for chlorine and sodium hypochlorite addition.



For more information go to <a href="http://www.inyoprocess.com">http://www.inyoprocess.com</a> for information on chlorine and many other commonly used water treatment chemicals including coagulants and concentrated acid.

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