Pump Calibration Instructions

1. Fill a 1,000 milliliter graduated cylinder with water and place suction side of Pulsafeeder pump installed on system into the graduated cylinder.
2. Turn on and prime the pump.
3. Record the pump's speed and stroke. You may need to adjust the speed and stroke to get the proper calibration. If possible, adjust the speed to 100% and use the stroke length for calibration.
4. Measure the length of time in minutes (T) it takes to draw the graduated cylinder down 100 ml.

Calculations:

These formulas will help you to calculate the dilution ratio for POLY-GONE. The 100 ml draw down is equivalent to 3.38 ounces.

1. Ounces of POLY-GONE Per Minute (OPM) Calculation

3.38 ounces ÷ _____ (T) minutes = _____ (OPM) ounces/minute

Example:
3.38 ounces ÷ 3.5 minutes = 1.1267 ounces/minute

2. Ounce of POLY-GONE Per Day (OPD) Calculation

_____ (OPM) ounces/minute x 60 minutes/hour x 24 hours/day = _____ (OPD) ounces/day

Example:
1.1267 ounces per minute x 60 minutes/hour x 24 hours/day = 1,622.39 ounces/day

3. Gallons of POLY-GONE Per Day (GPD) Calculation

_____ (OPD) ounces/day x 1-gallon/128-ounces = _____ (GPD) gallons/day

Example:
1,622.39 ounces/day x 1-gallon/128-ounces = 12.67 gallons/day

4. Washwater and/or Sludge Flow in Gallons

_____ (FPM) gallons/minute x 60 minutes/hour x 24 hours/day = _____ (FPD) gallons/day

Flow Example:
180 gallons/minute x 60 minutes/hour x 24 hours/day = 259,200 gallons/day

5. Dilution Ration of POLY-GONE

_____ (FPD) gallons/day ÷ _____ (GPD) gallons/day = _____ (RATIO)

Example:
259,200 gallons/day ÷ 12.67 gallons/day = 20,458:1 ratio