

## Calibration Instructions

**Note:** Before starting the calibration procedure below, ensure that the pump is primed and void of any trapped air.

**Using the ml scale:** (scale is based on volume pumped, over any given time)

1. Fill the calibration cylinder to the top mark with the liquid to be dispensed. This can be accomplished by manually filling the cylinder, or, if the feed tank level is higher than the Cylinder, by opening the isolation valve below the cylinder and back filling the cylinder.

**Caution:** Never leave cylinder unattended when back filling.

2. With the calibration cylinder full of the liquid to be dispensed, start the metering pump and operate at 100% output until all air is removed from both suction lines and pump head.
3. Shut pump "OFF".
4. With calibration cylinder full, close isolation valve from supply tank, and open isolation valve to the cylinder.
5. Start the pump.
6. Using a stop watch, measure the volume dispensed in 60 seconds.
7. Multiply the measured volume by 60 to find your ml per hour volume.
8. Adjust the pump volume control, higher or lower to meet with your desired output.
9. Repeat above steps 4 through 8 until your desired output is met.

If you wish to shorten the time of dispensing for calibration by one half (1/2) or one quarter (1/4), you must multiply the volume by the same number used to divide the time by to determine ml per minute or hour.

e.g. 100 ml in 60 seconds equals  
50 ml X 2 in 30 seconds or  
25 ml X 4 in 15 seconds

**Caution:**  
Do not use as a  
Pressure Vessel

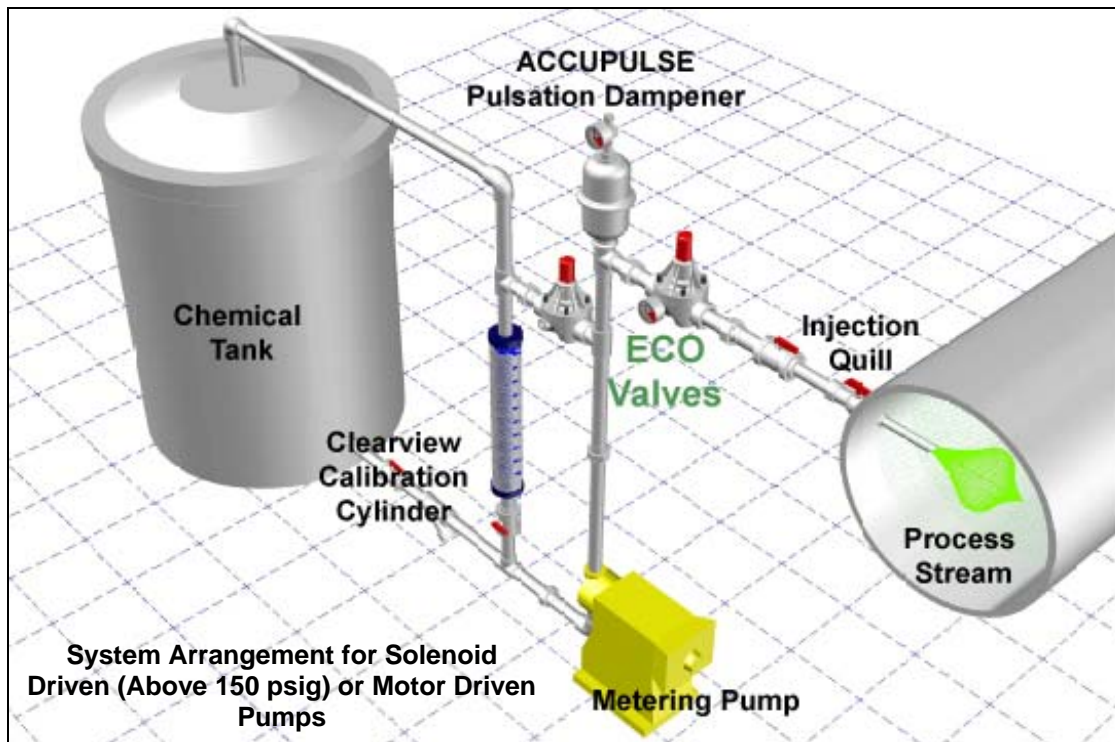
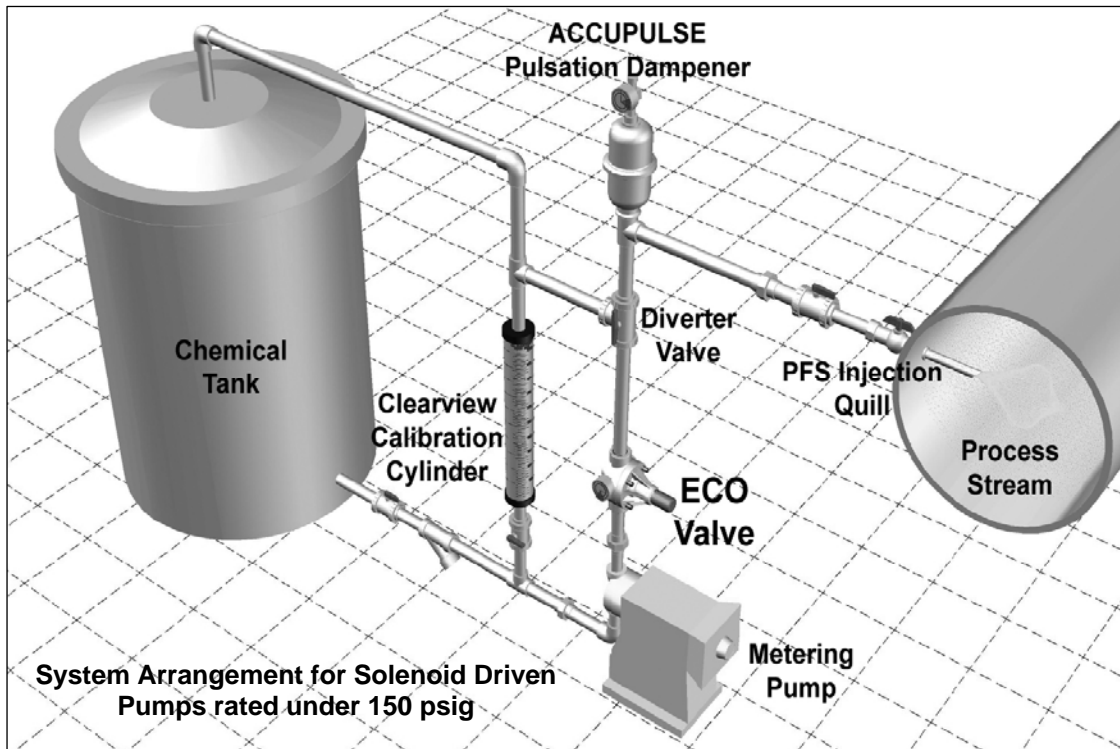
### Conversion Factors

1ml = 1 cc  
1000 ml = 1 liter  
ml/sec x 60 = ml/min  
1 US gal/min x 0.063 = liters/sec  
1 US gal = 3.786 liters



## Typical Installations

The installations below are typical installation examples only. Consult your Engineering Department for the appropriate installation for your application or call the factory for advice.



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