

Dilution™

SOLUTIONS

A Dosatron International, Inc. Company

eMP Quick Start Guide

Flow Rate 0.26 GPH, max pressure 145 psi.

Included in the box

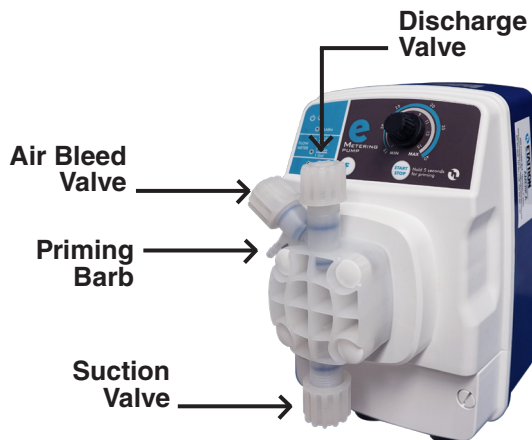
- eMP Pump
- Bracket Mounting Kit
- Operating instructions and maintenance manual
- Allen Wrench (to remove solenoid head when needed)
- Hose Packet
 - Opaque, Rigid PE Tubing for the Discharge
 - Clear, Flexible, PVC tubing for the Suction and Priming
 - Injection Valve
 - Foot Filter

NOTE: Remove safety labels before installing and remember that pumps may hold water inside.



CAUTION

- See operating manual for complete instructions and safety standards.
- When connecting a metering pump either to a public water supply or to its own water source, you must respect the regulations in force concerning protection of the source i.e. backflow prevention, etc.



Part A: Attaching the opaque tubing to the discharge valve stem on the solenoid

1

Remove the top discharge valve nut (careful not to lose the locking collar and hose nozzle inside).



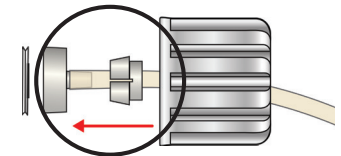
2

Insert the rigid opaque tubing through the nut.



3

Slide the locking collar onto the tube and insert the hose nozzle over the tube creating a compression fitting.



Make sure collar orientation is as indicated in the illustration.

4

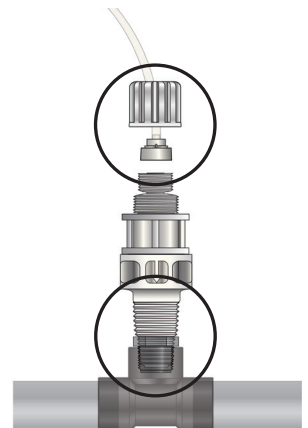
Screw the nut back onto the discharge valve. Hand tighten.



5

Install the injection valve into the water line so that the end of the injection valve is midway in the pipe. Injection stem has 3/8" and 1/2" options.

Attach the other end of the tubing to the injection valve, following Part A steps 2 - 4.



Part B: Attaching the Suction/Priming tubing

1

Attach one of the two clear PVC tubes to the suction valve following steps 2 - 5 in part A.



2

Attach the foot filter (using the same process as above) to the other end of the clear PVC tubing. Place into stock tank.



3

Slide the second clear PVC tube onto the priming barb and place into stock tank.



Rigid Opaque Polyethylene Discharge Tube



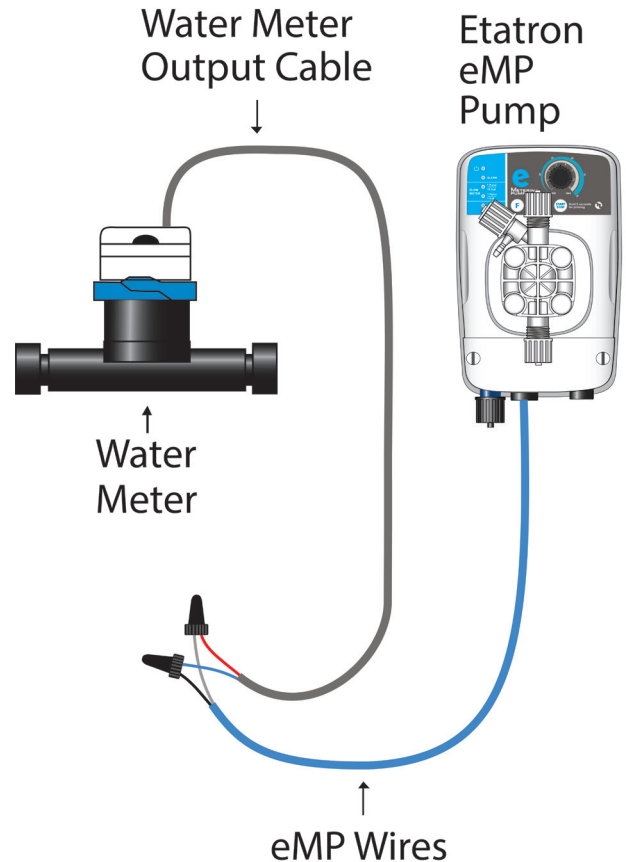
Clear PVC Priming Tube

Clear PVC Suction Tube

Part C: Connecting the Water Meter

1

eMP pump comes pre-wired. Just connect the Water Meter as shown.



CAUTION

Independent Water Meter

Water Meter Options



WM34-1PPG

One pulse per gallon

WM34-10PPG

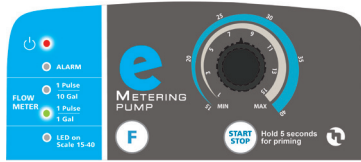
One pulse per 10 gallons

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Part D: Priming the pump

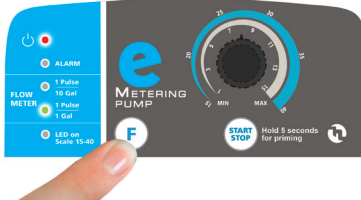
1

Plug the pump into an outlet, this will put it in set-up mode.



2

Press the "F" button to select the desired Water Meter setting.



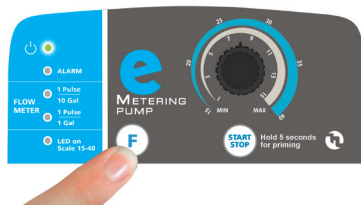
3

Open the Air Bleed Valve.



4

Press and hold the "START/STOP" button for 5 seconds to prime pump. Pump will prime for 45 seconds, then stroke 30 seconds in operating mode.



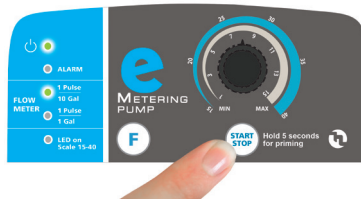
5

Close the Air Bleed Valve. Allow 30 seconds of standard dosing for the chemical to reach the injection point and find the working point.



6

Press the "START/STOP" button once. Pump is now in standby mode.



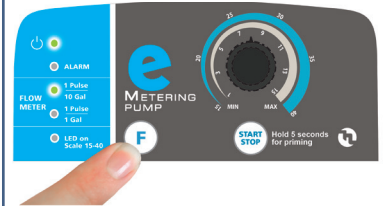
Part E : How to change the setting

1

Make sure the setting of your eMP pump matches the setting of the Water Meter.

Press the "F" button until the desired setting lights up, standby mode only.

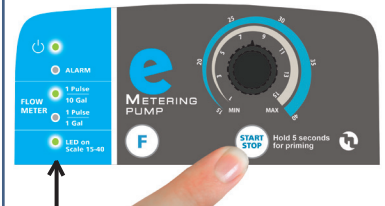
Image shows 1 pulse per 10 gallons selected.



2

Press the "START/STOP" button once. Now pump is in operating mode.

If you need 1 - 15 strokes, use the white inner scale. If you need 15 - 40 strokes, push the "F" button while in operating mode, and use the blue outer scale.



Green LED will light up for 15 to 40 strokes

Part F : Basic Pump Operation

1

Expect the pump to stroke rapidly upon the first signal from the Water Meter.

2

The pump will slow down after the second signal from the Water Meter.

3

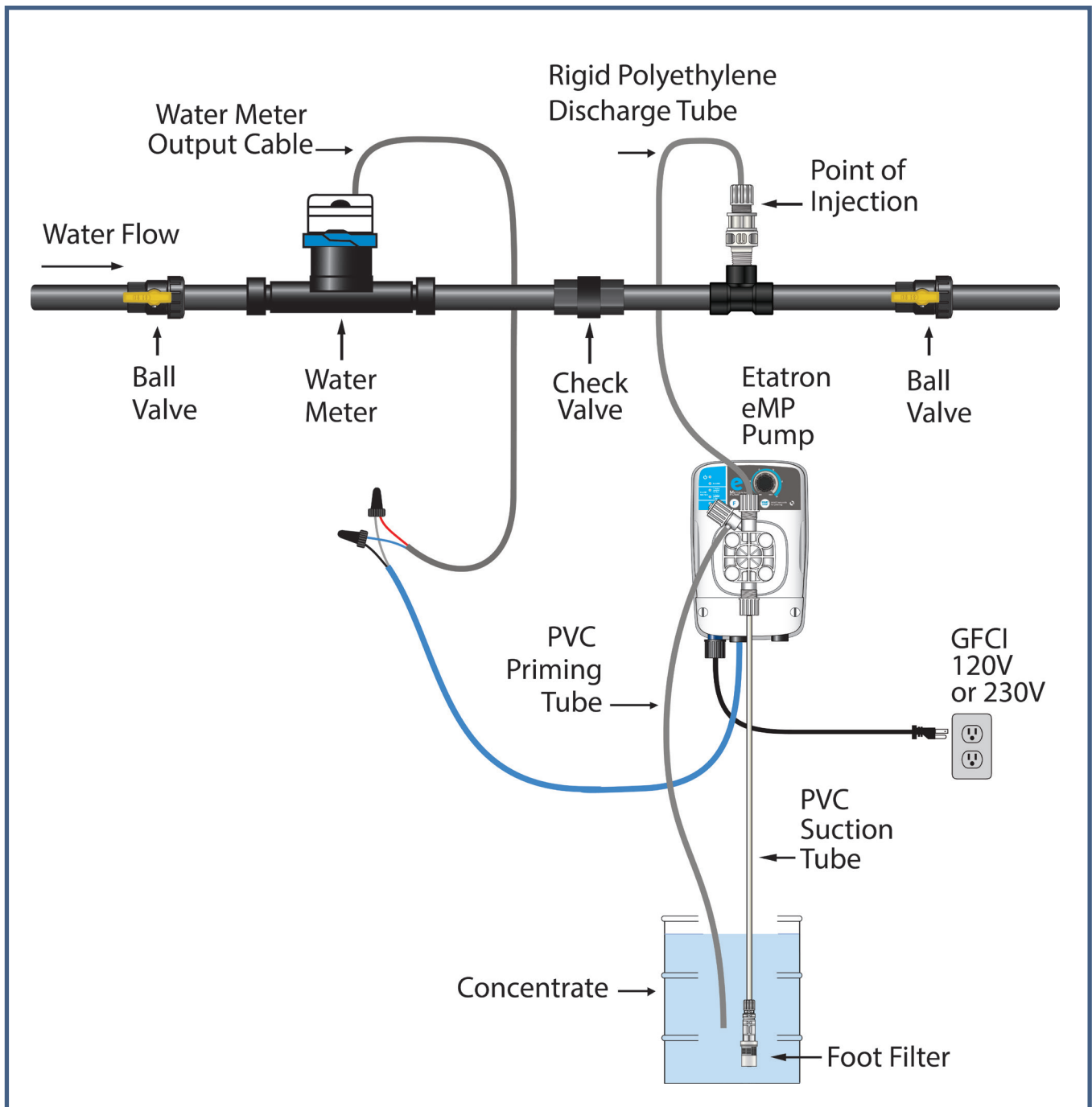
The pump learns water flow and strokes accordingly.

4

If your water flow speeds up, the pump strokes faster. If the water flow slows down, the strokes slow down.

The pump is ready to receive signals from the Water Meter.

eMP Installation



NOTE: Installation illustrations are to be used as a reference guide only.