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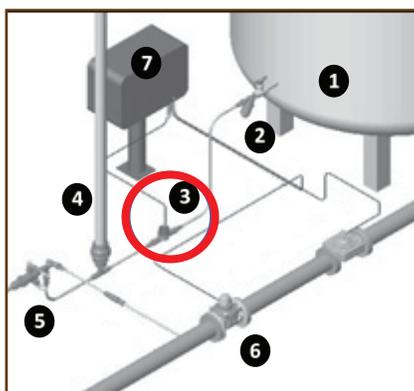
This edition of TechTALK focuses on the **IMPORTANCE OF A FERTILIZER FLOW METER** in a system.

Using flow meters in water distribution systems is common practice today, but you don't see many customers using flow meters for their fertilizer systems. All of the benefits you get from using a flow meter to monitor water movement can be realized with fertilizer movement as well. Some of those benefits include, but aren't limited to...

- Tracking total accumulated volume of fertilizer applied
- Monitoring flow rates of fertilizer
- Knowing when fertilizer was applied and how much
- Being alerted when fertilizer is "leaking" into the system
- Archiving usage data for historic records and reporting requirements

Netafim offers two different flow meters designed for fertilizers - a 3/4" polypropylene meter, and a 1" PVC meter. Both meters offer a pulse output feedback to a controller or flow computer via a two-wire reed switch. Every pulse generated by the meter tells the controller (or flow computer) that a certain quantity of fertilizer moved through the device. In addition to the pulse output ability, the meters track the total volume applied on their mechanical register.

Appropriate filters should be installed at the fertilizer storage tank to prevent debris or crystallized fertilizer from interfering with the meter or injector. When using the 3/4" fertilizer meter with a pulse type fertilizer injector, we recommend installing a dampening tube to ensure maximum accuracy. Fertilizer meters should be flushed out periodically to prevent crystallization and when changing chemicals.



**Installation Example**

- |                          |                                    |
|--------------------------|------------------------------------|
| 1. Storage Tank          | 5. Fertilizer Injector             |
| 2. Filter                | 6. Water Meter                     |
| 3. 3/4" Fertilizer Meter | 7. Irrigation Controller or NFC300 |
| 4. 3" PVC Dampening Pipe |                                    |



If you combine a fertilizer meter with a Netafim Flow Computer (NFC 300), you allow the meter's flow and accumulation data to be recorded in the cloud, where it can be reviewed and/or exported for use in another

application. The NFC300 logs the activities of up to two flow meters (e.g. irrigation and fertilizer) until that data is collected by a mobile App on a bluetooth capable, iOS or Android device. That data is then uploaded to the cloud via the internet where it can be accessed from any web browser on any device. When in bluetooth range, the NFC300 mobile App also shows the user the current flow rate; which can be used to adjust the throttle of the fertilizer injector to a desired rate.

For more information including manuals, training videos or other questions, visit our website at [www.netafimusa.com](http://www.netafimusa.com) or contact your local Netafim representative. Thank you.