

Acid Dosing Pump

Your **pH** management solution!



Ideal **pH management** around the root zone is the single most important criteria for maximum nutrition uptake by plants, and achieving Highest Possible Yields.

Manually it is not possible to control pH throughout the irrigation process continuously. With the Acid Dosing Pump you can easily manage your pH by proportional dosing of acid throughout every irrigation cycle, assuring desired pH to the crop every-time, all-the-time, around the root zone.

Features:

1. Accurate dosage of acid(or any liquid), even & continuous; as per the defined rate, even at different working pressures.
2. Mixes Precise quantity of liquid throughout the irrigation cycle.
3. Dosing rates are easily adjustable.
4. Non-electric, operates with water pressure.
5. Highly chemical resistance.
6. Highly resistant to UV.
7. Simple & user friendly.

Benefits:

1. Substantial Increase in Yields due to precision in pH management.
2. Decrease in cost of fertilizers due to increase in fertilizer uptake efficiency.
3. Excellent crop health due to maximum uptake of nutrition.
4. Good Soil Health Management due to desired pH.
5. No chance of manual errors.
6. Convenience of application(no need to be present there to assure injection).
7. Easy Installation.
8. Easy Maintenance.



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FLOW & DOSING TECHNOLOGIES

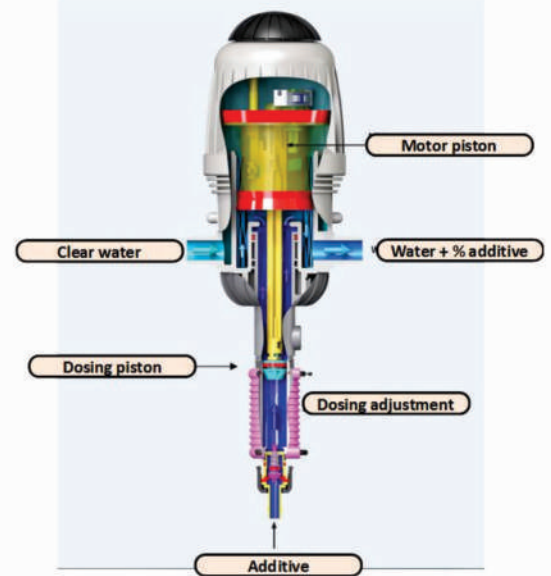
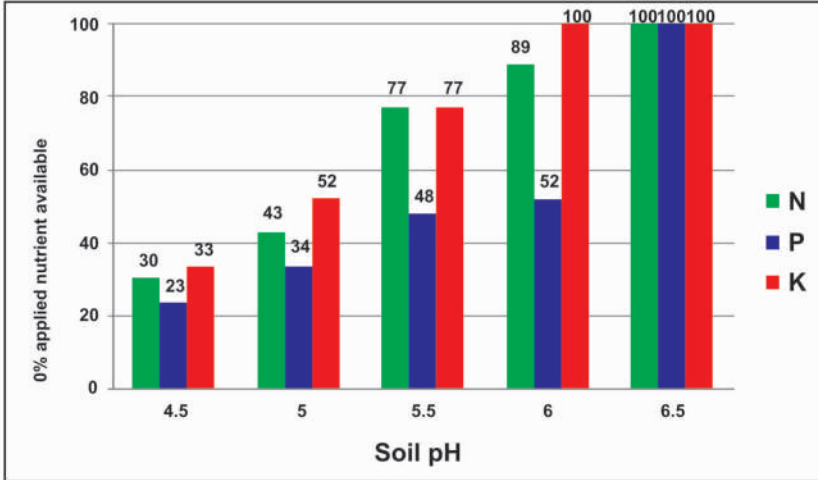
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Operating Principle:

1. The unit will automatically start working when water is flowing in the line and turn off when water stops.
2. Also has ON/OFF mode.



Range:

Flow Rate	Pressure Range	Min-Max Injection Rate Per Hour
2.5 m ³ /h	0.2-8.0 bar	0.028-100 l/h
3.5 m ³ /h	0.2-8.0 bar	0.50-350 l/h

Applications:

- 1 Greenhouses
- 2 Hydroponic Cultivation
- 3 Open Field Crops
- 4 Horticulture Crops
- 5 Nursery

Typical Installation:



Combination of main filtration station and Acid Dosing Pump on a bypass installation.

1. Main Valve
2. Chocking Valve
3. Acid Dosing Pump
4. Bypass line



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