



HydroMinder WDP

The All-in-One Medicator for Horticulture

Hydro is expanding its water-driven pump (WDP) product line in the horticulture industry with next generation technology. HydroMinder WDP is designed for use with the most common chemicals throughout all phases of the plant growth cycle. It couples outstanding chemical resistance with the ability to last 6.2 million gallons of water prior to maintenance. You can put your mind at ease when using HydroMinder WDP.

- Exhibits extreme chemical resistance with low, neutral and high pH chemistries allowing for one pump to be used in all nutrient delivery applications
- Mounting versatility allows for water flow in both directions providing better installation versatility
- Lasts up to 62 million cycles, resulting in less maintenance and reducing cost of ownership by up to \$800
- Improved dilution accuracy across all flow rates reduces the risk of improper chemical dispensing that could result in vehicles needing rewash
- Features fewer parts and tool-free maintenance resulting in up to 50% reduction in maintenance time compared to other technologies
- Adjustable dilution options up to 5% available, providing design versatility when using different chemicals with the same pump





Perfect for

- Seedlings, Vegetative
- Preflowering, Flowering
- High pH nutrients
- Low pH nutrients
- Water line cleaning

Compatible Chemicals

Common water disinfectants and water line cleaners that can be used with HydroMinder WDP are:

High pH nutrients	Citric Acid
Low pH nutrients	Phosphoric Acid
Acetic Acid	Hydrogen Peroxide
Peracetic Acid	Sodium Hypochlorite

Please consult Hydro Systems for additional information on chemical compatibility.

General Specifications

Avg. dosing accuracy	+/- 5% of Ratio
Repeatability	+/- 3% of Ratio
Fluid maximum temperature	100° F (38° C)
Fluid minimum temperature	34° F (1° C)
Maximum vertical suction of concentrate	12 ft. (3.6 m)
Seal material	Various Engineered Elastomers
Connections	Available in both NPT/GHT and BSP
Maximum viscosity	1,500 cP
Recommended accessories	Check valve, pressure regulator, water hammer preventer and filter

HydroMinder WDP Model	Part # NPT/GHT	Part # BSP	Flow Rate	Injection Rate	Operating Pressure	Approximate Dimensions	Weight	Water Capacity Per Cycle
Adjustable 2% Model	HYD117947CW	HYD117957CW	0.02 - 11 GPM 5 - 2500 L/hr.	1:500 - 1:50 0.2 - 2%	5 - 90 psi 0.3 - 6.2 bar	15" (38.1 cm) tall 6.5" (16.5 cm) wide 5.25" (13.3 cm) deep	2.62 lbs. 1.19 kg.	12.8 oz. 0.38 L
Adjustable 5% Model	HYD117948CW	HYD117958CW	0.02 - 11 GPM 5 - 2500 L/hr.	1:128 - 1:20 0.8 - 5%	5 - 90 psi 0.3 - 6.2 bar	15" (38.1 cm) tall 6.5" (16.5 cm) wide 5.25" (13.3 cm) deep	2.62 lbs. 1.19 kg.	12.8 oz. 0.38 L



Hydro Systems
3798 Round Bottom Road
Cincinnati, OH 45244

Phone 513.271.8800
Toll Free 800.543.7184
Fax 513.271.0160
Web hydrosystemsco.com