



HydroMinder WDP

Water-Driven Pump for Vehicle Wash Chemicals

The HydroMinder name has been well-known in the vehicle wash market space for many years, and now Hydro Systems is expanding its water-driven pump (WDP) product line for use in this industry. HydroMinder WDP is designed for use with the most common chemicals throughout all phases of the vehicle wash cycle. It couples outstanding chemical resistance with the ability to last 62 million cycles 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 vehicle wash 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

- Pre-Soak
- Detergent
- Special Chemical Applications
- Wax/Protectants/Rinse Aids
- Tire Care

Compatible Chemicals

HydroMinder WDP is made up of highly engineered materials that come in contact with the chemical that is being diluted featuring extremely high chemical resistance. It is resistant to alkaline chemicals including (but not limited to) hydroxides and phosphates. It is also resistant to acids including (but not limited to) sulfuric, phosphoric, citric and hydrochloric acids.

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



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