

HydroMinder Series



Model 511

Keep any reservoir filled with consistently mixed solution without pouring, stirring, waiting or downtime. When the solution level in a reservoir drops, the HydroMinder's float opens a non-electric, magnetic valve. The flow of water siphons liquid concentrate into the water stream, automatically maintaining the level of ready-to-use solution. (Models are available for maintaining a tank of plain water, too.) When the tank reaches the preset fill level, the HydroMinder shuts off. This mechanism has been working in the field for over 20 years. That's why HydroMinders have become the industry standard for liquid level maintenance.

Saves time & money, enhances safety & performance

Because the HydroMinder eliminates the need for manually handling, measuring and mixing concentrated chemicals, it saves labor time. It's also more accurate than manual mixing, so it reduces costly rework that can result from solutions that are too strong or too weak. Products which are properly diluted work better, too. The automatic mixing of concentrated products with water enhances safety by minimizing employee exposure to the concentrated products. HydroMinders are made of highly durable materials for maximum life and serviceability, so maintenance time required is kept to a minimum.

Environmentally friendly

HydroMinders allow easy use of concentrated products. Concentrated products last longer than an equal amount of ready-to-use products, so concentrates reduce solid waste packaging that must be thrown away. Accidental spills are less likely since employees handle the concentrate containers less. Electricity is conserved because HydroMinders are operated by water flow only.

Useful in a variety of applications

There are many situations that call for solutions to be held at the ready for use on demand. Here are just a few:

- ▲ automatic or self-serve vehicle washing systems
- ▲ conveyor lubricating systems
- ▲ high pressure cleaning systems
- ▲ machine tool cooling systems
- ▲ parts washing machines
- ▲ central cleaning systems
- ▲ water treatment systems
- ▲ spraying systems
- ▲ metal finishing systems
- ▲ OEM cleaning systems
- ▲ high volume pumping systems.

Low volume HydroMinders



Model 511

Model	Siphon		Mounting		Approximate Dilution Range	
	Breaker	Bracket	Max.	Min.	Flow Rate	
506	NO	YES	240:1	4:1	4.5 GPM	
507	NO	NO	240:1	4:1	4.5 GPM	
511	YES	YES	240:1	4:1	4.5 GPM	
5111	YES**	YES	240:1	4:1	4-5.6 GPM	
512	YES	NO	240:1	4:1	4.5 GPM	
515	YES	YES	100:1	1:1	1.5 GPM	
532*	YES	YES	195:1	3:1	2 @ 6 GPM	

* Model 532 has two independent eductors which meter two concentrates at their individually required dilution ratios, or one concentrate at two different ratios.

** Backflow prevention provided by Hydro's e-gap eductor

Medium volume HydroMinders

Model	Siphon		Mounting		Approximate Dilution Range	
	Breaker	Bracket	Max.	Min.	Flow Rate	
525	NO	YES	530:1	4:1	9 GPM	
530	YES	YES	530:1	4:1	9 GPM	
561	NO	YES	1200:1	6.5:1	18 GPM	
562	YES	YES	1200:1	6.5:1	18 GPM	

High volume HydroMinders

Model	Siphon		Mounting		Approximate Dilution Range	
	Breaker	Bracket	Max.	Min.	Flow Rate	
563	YES	YES	1024:1	8:1	+25.0 GPM	
564	NO	YES	1024:1	8:1	+25.0 GPM	

HydroMinder water valves



Model 570

Model	Water Inlet		Mounting		Flow Rate
	Fittings	Bracket			
502	NO	YES			6.8 GPM
503	NO	NO			6.8 GPM
572	NO	YES			44.0 GPM
573	NO	NO			44.0 GPM

NOTE: All flow rates are approximate, based on water pressure of 40 PSI. Gallons per minute quoted in U.S. gallons.

HydroMinder water valves maintain tank levels of water only and do not provide any means for educting concentrate into the water stream.

Options and accessories

Model	Description
138	Water inlet hose, 3/8" x 6', black
139	Water inlet hose, 3/4" x 6', red
151	Dual concentrate retrofit kit; allows two concentrates to be proportioned using one HydroMinder via ball valve selection (both concentrates cannot be proportioned at the same time)
185	Water inlet hose, 1/2" x 8', black
186	Water inlet hose, 1/2" x 10', black

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