



Water, Pure and Simple . . .

A Revolutionary Alternative Watering System for your Rodents

Complications with drinking water for laboratory rodents, either too much water or no water at all, are among the most common complaints an animal facility manager receives today. Historically, the only options have been water bottles or automatic watering.

Ongoing risks such as leaking, flooding, water deprivation and recurrent biofilm usually eliminate automatic watering from study plans before the costs of installation, training and maintenance are even considered. Although water bottles represent the most popular watering method among animal facilities worldwide, water bottles are far from an ideal solution. Week after week, the re-use of bottles, caps and tubes steadily consumes labor, workspace and many other resources while presenting numerous ergonomic and biological challenges. In addition, 20% of the components are typically replaced every year as they wear out. Automated bottle cleaning and filling may offer a marginal improvement although most of the inherent bottle issues remain.

Now there's a better way to manage animal watering.

Introducing Hydropac™

We are pleased to present to you a revolutionary alternative watering system that vastly reduces labor, scientific variables, operating costs and ergonomic issues, while offering improved animal husbandry procedures.

The Hydropac™ Pouch and Sterile Disposable Valve™ offers a convenient, reliable and economical alternative watering system for various research rodents. Designed for use with facility supplied drinking water, the Hydropac™ AWS-5000 Pouch Machine is an automatic packaging machine that produces up to 1,800 water pouches an hour (30 per minute). A specially formulated FDA grade Hydroseal™ film is fed through the machine to produce hermetically sealed, ready-to-use individual water pouches.

A sterile (gamma irradiated) disposable drinking valve delivers water from a pouch to the research animal. Valve installation is quick and easy. Just press a valve into the stainless steel grommet, push a filled pouch onto the valve and that's it—you're ready to go! Lab Products offers a range of rodent cages that are already designed to accept Hydropac™ pouches. Hydropac™ Adapters allow a wide variety of old style wire bar lids to accept Hydropac™ pouches and provide easy animal access to drinking water on demand. Disposing the single-use valve and pouch at each cage change eliminates worries about worn out parts, repeated sanitation, and resurgent biofilm. Hydropac™ minimizes the potential for cross contamination while it helps keep your animals healthier, happier and drier!



Hydropac™ Equipment

Eliminating water bottles—including a long list of costly components and repetitive, labor-intensive procedures surrounding bottle washing and filling—Hydropac™ reduces cage-wash area traffic congestion, and provides new operating efficiency. Superior workflow and materials handling improves employee safety, ergonomics and helps reduce Workman's Compensation issues.

The AWS-5000 Pouch Machine produces pouches in quantities of your choice. A motorized Pouch Conveyor collects pouches as they are produced and dispenses them into Tote Containers. Made of translucent polypropylene, Tote Containers hold 30 pouches each, are stackable and will nest when empty. The quality of water stored in pouches can be maintained for extended periods. A Tote Conveyor provides an adjustable height platform and work staging area for managing the Totes. As they become filled with pouches, Totes are transferred to a Tote Transport Cart for efficient distribution or temporary storage.

A mobile Film Roll Lift Unit lifts and positions Hydroseal™ film for loading onto the AWS-5000, offering excellent stability and ergonomic operation. With the Water Treatment Proportioner and Ultra Filtration System, it is possible to provide bacteria free (0 count) water to your animals for up to 2 weeks. Control water quality and add any supplements your protocol requires. Dosing or sampling individual pouch contents is quick and easy with a Silicone Patch and syringe. A Pouch Disposal Unit provides an economical method for compacting used Hydropac™ water pouches and valves for disposal. The compressed materials are contained in an outer mesh bag as residual water is drained away.

Benefiting man and animal alike, Hydropac™ is better watering . . . pure and simple.

Features and Benefits

- Convenient and reliable alternative watering system for mice, rats, hamsters and guinea pigs provides up to 75% or more in cost savings.
- Single-use water pouch and sterile valve helps eliminate cross-contamination and reduces risks associated with cage flooding and leaking.
- Produces up to 1,800 pouches per hour (30 per min.) in the quality and quantity of your choice.
- A convenient method for storing water for extended periods, while maintaining water quality.
- Dose or sample individual pouch contents quickly and easily with a Silicone Patch and syringe.
- Eliminates bottle or automatic watering issues related to worn out parts, repeated sanitation and resurgent biofilm.
- Eliminates bottle washing machines, fillers, hot water, wire baskets, bottles, stoppers, and tubes.
- Water Treatment Proportioner System makes it possible to provide bacteria free (0 count) water to your animals for up to 2 weeks.
- Cage movement and animal activity do not cause the valves to leak or drip, leaving cages drier with reduced ammonia levels and extending time between cage changes.



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