

Sipper Sack Animal Watering System



Sipper Sack® Animal Watering

An Ergonomically Smart System for Individual Cage Watering.

The Sipper Sack Animal Watering System is an innovative way to water your laboratory animals. The Sipper Sack concept is simple - use a sterilized, disposable sack and reusable drinking valve for individual cage watering. While a technician transfers animals during the cage change process, the system performs in-room, on-demand sack filling under the transfer hood's controlled environment. With Sipper Sack, you eliminate the ergonomic dangers, corridor clutter and labor cost associated with prefilling, carting and storing water bottles.

Overview

Sipper Sacks come in sealed, sterilized packs of 100, making them easy to place under the change hood. They are sterilized with ethylene oxide. Each Sipper Sack holds up to 450mL of water; enough for five mice to drink for 14 days. The Sipper Sack Filler was engineered by Edstrom to be compact enough for use under transfer hoods. Operation is very simple, and the electronic controller allows the operator to choose the fill volume.

Water Distribution Piping supplies water to the filler. Edstrom has over 45 years of expertise in designing water distribution systems that provide excellent water quality. If you already have Edstrom watering, the Sipper Sack Filler connects to a standard manifold interconnect. If you do not already have the piping, it is easily installed.

The innovation behind the Sipper Sack Drinking Valve is based on the patented Edstrom valve design, used worldwide to water research animals. Made from 316 stainless steel and silicone rubber components, this drinking valve can withstand chlorinated or acidified water and autoclaving. The valve does not leak or drip like sipper tubes, so cages stay dry. Wire bar lid liners are needed to protect the Sipper Sack from animals chewing on it. A specially designed liner can be fitted to existing wire bar lids. The liners are designed to allow stacking and withstand the rigors of the cage wash. Edstrom works with all cage manufacturers, so talk to your Sales Consultant to determine the appropriate liner for your caging.

Water Purification and Treatment is very important for reducing experimental variables and protecting animal health. Using a Reverse Osmosis Water Purification System and a residual disinfectant will provide excellent water quality in the Sipper Sack.



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The Sipper Sack® System



Sipper Sack Filler Unit



Case of Sipper Sack Packs

- Case contains 24 packs
- Each pack contains 100 sterilized sacks



Sipper Sack Drinking Valve



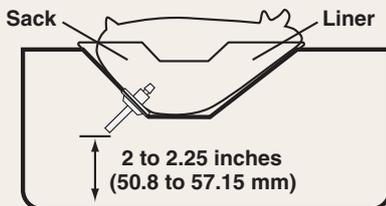
Sipper Sack Storage Plug

Place in the filled sack to store water for future use.



Lid Liner Inserts

Lid liner inserts are placed onto the cage's wire bar lid to shield the sack from gnawing animals.



IMPORTANT: When drinking valve is installed in the liner and cage, the ideal height from tip of valve stem to floor of cage is 2 to 2.25 inches (50.8 to 57.15 mm) (for mice), if bedding depth does not exceed 1/4 inch (6.35 mm).

Simple Steps for Using the Sipper Sack®



1. Operator turns on Sipper Sack® Filler
The fill amount is preset to 450mL. The operator can customize the fill volume using simple, intuitive controls.



2. Place sack on filler
Filling a Sipper Sack is simple - just place a sterilized Sipper Sack on the filler and flip the fill arm into the fill position.



3. Filler begins to fill
The filler will begin filling automatically through the port on the Sipper Sack.



4. Change cage
While it is filling, proceed with the animal cage change as usual.



5. Need to medicate the water?
Just inject water soluble medications into the fill port prior to valve insertion.



6. Insert drinking valve
Insert the drinking valve into the fill port on the Sipper Sack. The valve's unique barb holds it securely in place and forms a watertight seal.



7. Ensure water flow
To ensure water flow, toggle the valve prior to placing the Sipper Sack in the cage.



8. Place sack in cage
Next, place the Sipper Sack into the cage, just as you would a water bottle. The wire bar lid is fitted with a liner to protect the Sipper Sack from gnawing animals.



9. Remove valve
When you next change the cage, simply remove the Sipper Sack and pull out the valve. The stainless steel valve with silicone rubber components is autoclavable.