



HydroMaster LCU

Water Line Cleaning and Disinfection Pumps for Farm

As antibiotic use on the farm decreases, it is more important than ever to keep animals healthy by cleaning and disinfecting the environment in which they live. In order to accomplish this, farms are relying heavily on proper cleaning and disinfection techniques as well as specially designed chemicals to remove biofilm.

HydroMaster LCU pumps from Hydro Systems are designed to allow you to easily inject water line cleaning and sanitizing solutions into your water lines without preparing a stock solution. The pump is installed similar to a water-driven pump or medicator. The chemical container sits below the HydroMaster LCU unit, and the inlet is attached to the water supply line. Designed to handle one chemical at a time, the exit line transfers the water and chemical mixture to the area where the water line cleaning needs to occur.

Features and Benefits

- Can be mounted on a wall or installed on top of a chemical container
- Can be used with any sized container
- No electricity required – water access only
- Compact and lightweight: provides installation versatility and is easily stored when not in use
- Long-lasting: made of high quality, chemically resistant materials
- Various screw-in dilution tips: can be used with a wide range of chemicals at different dilution rates
- Ball valve: allows the unit to be turned off and on as needed and helps the user control the chemical dilution





General Specifications

Dilution Range	Varies based on the tips used. Please refer to Dilution Chart.
Water Flow Rate to Activate Chemical	2 to 4 GPM*
Inlet Water Pressure Range	30 to 50 PSI
Part Number	HYD210

*Actual flow rate of the pump depends on water inlet pressure.

Operating Notes

1. The exit line must be routed above the unit in the application or else premature vanquishing of the chemical from the chemical container may occur.
2. If the flow rate is below 2 GPM, the chemical dilution might be richer than what you expect. There will not be enough vacuum to pull chemical resulting in an inoperable unit.

Approximate Dilutions at 40 PSI for Water-Thin Products (1.0 cP)

Tip Color	Size	Approximate Ratio
Grey	0.128	2.7:1
Black	0.098	4:1
Beige (Very Light Brown)	0.070	7.5:1
Red	0.052	12.5:1
White	0.043	18:1
Blue	0.040	22:1
Tan (Medium Brown)	0.035	30:1
Green	0.028	47:1
Orange	0.025	64:1
Brown (Dark)	0.023	66:1
Yellow	0.020	100:1
Purple	0.014	180:1
Pink	0.010	325:1



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