



# Chemilizer

## Consistent, Fluid Driven, Chemical Injection

Chemilizer is an industry-leading chemical injector that utilizes years of proven diaphragm technology. Powered by the existing water supply, the internal motor drives the chemical pump, injecting very precise amounts of chemical.

The speed of the water motor and pump is proportional to the water flow, ensuring Chemilizer will inject consistent amounts of chemical regardless of fluctuation in water pressure and flow.

- No water filtration required; the diaphragm water motor is unaffected by sand or minerals in the water
- Unique by-pass chemical injection design; the chemical is injected after the motor, avoiding chemical contact with critical motor parts
- Excellent low-flow capabilities
- Corrosion resistant construction — Silicone and Viton components available to withstand the most aggressive chemicals
- Easy and low-cost maintenance — typical maintenance is tool-free
- Now featuring brass inserts molded into the body of Chemilizer, which allow for shorter repair times — the screws no longer require nuts

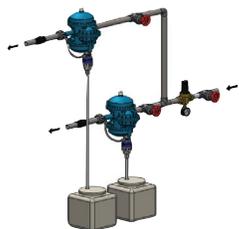




## Basic Installation



In-line installation



Dual in-line installation



By-pass installation



Tank feed installation

## General Specifications

Housing	Polypropylene
Maximum temperature	100° F (38° C)
Minimum temperature	34° F (1° C)
Maximum vertical suction of concentrate	12 ft./3.6 m
Maximum horizontal suction of concentrate	50 ft./15 m
Self-priming	Yes
Seal material available*	Silicone Viton
Maximum viscosity	1,500 cP (e.g. honey)
Recommended accessories	Check valve, pressure regulator, flow restrictor
Thread sizes available	3/4" NPT/GHT/BSP

\*Contact your representative for specific chemical information.

Model #	Operating Pressure	Flow Rate	Injection Rate
CH9000-209	3 - 85 psi 0.2 - 5.8 bar	0.02 - 11 GPM 5 - 2500 L/hr.	1:128 Fixed 0.78% Fixed

\* In order for the 50:1 to 1:164 (2.0 to 0.6%) adjustable lower end to work, it must be installed onto a Chemilizer pump that features the brass inserts.



**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](http://hydrosystemsco.com)