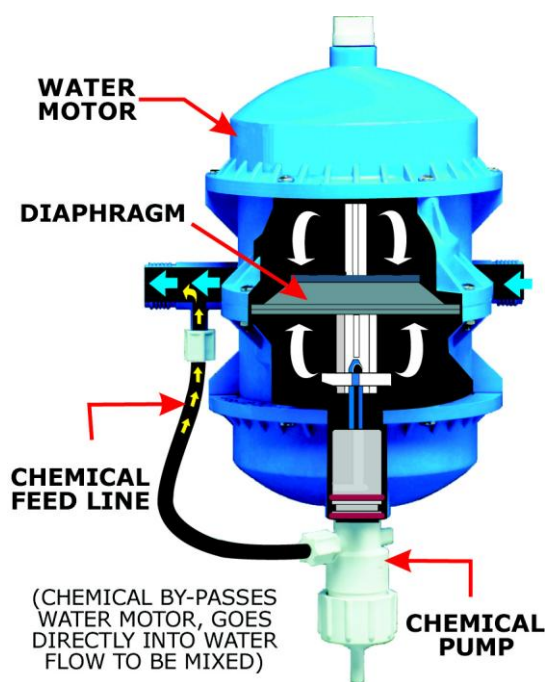


Chemilizer™

We Inject Solutions

Chemilizer's liquid chemical injectors are powered by water-flow, making them the most environmentally friendly injectors on the market!

And since they are powered by water flow, they will never over treat the water!



Chemilizer's unique design begins with the water-powered "motor". The motor utilizes a reliable and durable diaphragm assembly, which is activated by the flow of water through the body of the injector. The higher the flow of water through the injector, the faster the diaphragm moves. The diaphragm assembly follows the water flow which is one of the reasons our injectors are known for their unparalleled accuracy.

The next element of Chemilizer's unique design is the chemical pump assembly. The positive-displacement pump dispenses a precise amount of chemical solution. Chemicals are injected after the water has passed through the water motor, eliminating the potential for chemical deterioration of the water motor. The action of the chemical pump

and resultant volume of injection is controlled by the diaphragm assembly. This ensures the right amount of chemical is injected into the water. Never more, never less!

Benefits of Chemilizer Injectors:

1. **High level of accuracy** – due to superior design and construction.
2. **Rugged and durable** – due to superior design and corrosion-resistant construction.
3. **Simple to operate** – no complicated, electronic menu-driven set up.
4. **Easy to install** – use standard plumbing parts that can be obtained at any hardware, plumbing or home building materials store.
5. **Injects chemicals into the water after it has exited the water motor** – uses natural flow turbulence to thoroughly mix chemicals; does not subject inner workings and surfaces of injector to chemical deterioration.
6. **Easy and inexpensive to maintain** – basic maintenance does not require tools and can be performed in minutes. Typical maintenance involves the chemical pump, which can be replaced in under two minutes, and rebuilt for less than \$20.
7. **Non-electric design** - saves on electricity costs, eliminates potential for sparks to ignite chemicals.
8. **Environmentally friendly** – no emissions of fumes or heat.
9. **Cost effective** – significantly lower total cost-of-ownership due to durability and inexpensive maintenance.
10. Self-priming chemical pump.
11. Does not require filtration of the water flow (unless using the CP33 for low volume injection).
12. No flow switches required.
13. Easily works with a wide range of chemical solutions and pH values.
14. **NSF/ANSI 50 and 61 certified by the Water Quality Association.**

Limitations of Competitive Injectors:

Overall

1. Most competitive water-powered injectors utilize an internal piston to power the injector. This requires filtration of the water prior to it entering the injector, as the piston is easily scarred by particles in the water.
2. Competitive injectors with piston-design water motors also wear faster as a result of friction.
3. Most competitive non-electric injectors actually inject the chemical solution directly into the body of the injector where it mixes with the water. This subjects the internal workings of the injector to chemical deterioration, causing premature wear.

When compared to the CP33

4. Most competitive non-electric injectors are strictly proportional. Those that are “adjustable” typically use preset levels on the chemical pump. This limits the user to either accepting the preset level, or having to manually dilute chemical solutions. It also makes the chemical pump more expensive to replace.
5. Because most competitive non-electric injectors are strictly proportional, the size of the injectors and their cost, increase substantially with the rate of the water flow.
6. Most competitive non-electric injectors pass 100% of the water flow through the injector, requiring a complete system shut-down to perform maintenance or to replace the injector.

Learn More, Visit Our Website: <http://www.liquidinjection.net>

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