Frequently Asked Questions

Why should I buy a Chemilizer over a competitive injector?

Answer: Chemilizer manufactures a superior-quality product; it's backed by a 2-year warranty that covers more than just defects in materials and manufacturing. Chemilizer injectors last longer because of their unique design; the water motor is not subject to chemical attack, nor is it affected by small particles in the water. Our injectors do not rely on unreliable and/or expensive electrical sources to operate. And, they provide a lower total cost of ownership due to their durability and reasonable cost to repair, rather than replace.

How accurate are your injectors?

Answer: Chemilizer's superior product design and stringent quality assurance methods ensure a very high level of accuracy. Chemilizer injectors maintain their accuracy because they have few wear points.

Do you work on low water flows?

Answer: Yes, Chemilizer's HN55 can operate with as little as 1 gallon per hour (GPH) and as high as 13 gallons per minute (GPM).

Do you work on higher water flows?

Answer: Yes, the CP33 can handle virtually any system flow rate above 12 gallons per minute (GPM), injecting from 1 ounce-per-hour up to 6 gallons-per-hour. If you want strictly proportional injection, two HN55's can be mounted in parallel to handle 24 gallons per minute.

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How does it work without electricity?

Answer: Our motor functions "on demand" with water flow. Inside the motor is a fixed diaphragm assembly that is moved by the flow of water through the body of the injector. The motion of the diaphragm assembly drives the chemical pump. The chemical solution is drawn up into the pump, and then injected into the water flow downstream from the injector.

How easy is it to install?

Answer: Chemilizer's injectors are very easy to install. Since all Chemilizer injectors are non-electric, installation consists of simply attaching the chemical injector to your existing water source. To make things even easier Chemilizer also offers optional installation kits. Installation can often be accomplished in under an hour.

Is it necessary to install water hammer arrestors?

Answer: No, not always. However they should be added to installations when the possibility of a water hammer and pressure spikes are present. Spikes and water hammer can be caused by water source fluctuations, opening and closing of electric solenoid valves, air in the water lines, etc. Water hammer arrestors can be easily made from standard PVC fittings.

How do I setup the injection control panel?

Answer: To set up the injection control panel simply connect your water supply to either the low flow side (OPH / ounces-per-hour) or the high flow side (GPH / gallons-per-hour) of the injection control panel. Cap off the side you are not using. Then simply adjust either the needle valve to alter your ounces-per-hour reading or adjust your gate valve to alter your gallons-per-hour reading until the flow meter reflects the injection rate you wish to maintain.

How long will the injector last?

Answer: Chemilizer's chemical injectors are built to last. That is why we can offer a 2-year warranty on our water motor. Actual product life depends on the application and duty cycle, however many of our customers report their injectors last 5 years or more with simple, cost effective maintenance. Some of Chemilizer's satisfied customers have reported using our injectors for over 10 years with only minor repairs.

Why is your motor better than the piston type?

Answer: Chemilizer injectors are better because our unique diaphragm design motor does not require pre-filtration and is unaffected by chemical you are using. Chemicals are injected into the water after the water has passed through the water motor, precluding chemical deterioration to Chemilizer's motor. Piston design injectors wear out quickly, requiring frequent rebuild or replacement. Chemicals are mixed within the body of the piston injector subjecting it to chemical attack. Piston design injectors also require filtration as minerals in the water scar the pistons and reduce their accuracy.

Can you mount the injector on a cart?

Answer: Yes, Chemilizer's chemical injectors can be mounted almost anywhere including on carts with chemical tanks.

What type of chemicals can you inject?

Answer: Our products have been proven injecting Chlorine, Surfactants, pH controllers, Fertilizers, Degreasers, Lubricants, Coolants, Biocides, Germicides, Nutrients, Pharmaceuticals, materials such as tetracycline or amoxicillin, and viscous materials as thick as honey. If you have a question concerning a specific chemical, send us an email at: **aa_taylor@comcast.net** or call us 1-800-531-4769

Can I use your injector to inject acid(s)?

Answer: Although, we have successfully tested injecting a number of acid solutions, we do not recommend using our injectors to inject acids due to the wide range of acids available and the risk of improper handling. If you use a Chemilizer injector to inject acids, the life of the chemical pump will vary widely depending on the acid and concentration. Any damage to the injector that is caused by or contributed to by injecting acids voids the warranty.

Are there any precautions I should take to ensure proper operation of my injector?

Answer: When your injector and chemical pump are not in continuous use some chemicals, such as tetracycline, may crystallize preventing your chemical pump from functioning correctly. To prevent this from occurring clean the chemical pump after each use. Simply remove the pump from the water motor, disassemble, clean with clear water and a soft brush as necessary, reassemble, and reinsert the pump into the water motor. This is good practice to follow no matter what you are injecting.

Can I simultaneously inject more than one chemical?

Answer: Chemilizer injectors can easily be installed in parallel to inject multiple chemicals into the same water line. This method eliminates problems caused by chemicals mixing prior to entering the water line.

Where do the chemicals mix with the water?

Answer: Chemicals are injected into the water after the water flow passes through the water motor. Chemilizer's quality-control testing has consistently shown that the injected chemical is completely mixed with the water within 18" from the point of injection.

Are your injectors adjustable?

Answer: Chemilizer's CP33 is adjustable, the HN55 is not. The CP33 features a unique Injection Control Panel that allows you to dynamically adjust the volume of injection.

The HN55 is a proportional injector with a fixed ratio injection volume to ensure maximum accuracy at any GPM. By adjusting your chemical solution, you can achieve the desired level of dilution.

Are the injectors difficult to maintain or repair?

Answer: Our unique modular design and minimum number of moving parts ensure simple, cost effective maintenance. Chemilizer offers a complete line of parts, including rebuild kits for both the water motor and the chemical pump. And repairs are easy. Generally, maintenance or repair tends to be limited to the chemical pump. Replacing a chemical pump takes less than a minute; rebuilding it can be done without tools in less than 5 minutes. Rebuilding the water motor, if needed, can be done in less than an hour.

What type of warranty does the injector have?

Answer: We are so confident in our product quality that we provide a two-year warranty on our water motor. The chemical pump is not warranted due to the variety of chemicals that can be used. However, the chemical pump has been designed to be disposable and inexpensive. The injection control panel on the CP33 carries a one-year warranty.