



Corrosion Shield™

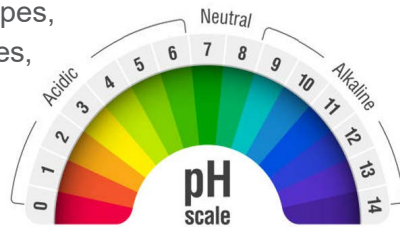
The reliable solution for balancing pH and reducing corrosion



The **Corrosion Shield** from U.S. Water is a metered pH Balancing System which injects the precise amount of neutralizer into the water stream regardless of the flow rate.

What is pH? Why is it important?

Acidic water can corrode metal pipes, water heaters and plumbing fixtures, causing leaks and premature failure. Water with balanced pH protects your systems and appliances from costly damage.



U.S. Water's metered system delivers precise pH adjustment

This precision injection system neutralizes the pH at any flow rate – high or low. How does it work?

- 1 Your home's water enters through the **Meter** which measures the flow rate.
- 2 The heart of this system is the **Electronic Injection Pump** which mounts near the tank for easy accessibility. The pump responds to the meter data and injects potassium carbonate from the tank into the water stream.
- 3 The water then flows through the **Mixer**, which ensures a consistent blend for perfectly balanced water as it flows into your home's water system.

Acidic water is corrosive, damaging metal pipes and appliances.

The **Corrosion Shield System** guarantees a steady pH balance, neutralizing harmful acidity.



715-842-2215



SMART Injection System vs Calcite Neutralizer System

Another option for treating low pH in your home's water is a calcite neutralizer system.

While both systems can initially adjust your pH to desired levels, the **Injection pH Balancing System** is more effective at rapidly adjusting the pH of acidic water and maintaining a steady pH level over the long-term.

Corrosion Shield's "smart meter" automatically adjusts to maintain precise pH level.

	Calcite Neutralizer GOOD	Corrosion Shield SMART pH Injection BETTER
Effectiveness	Less effective at significant adjustments. Effectiveness declines with time.	Easily and accurately adjusts to desired level; smart meter automatically adjusts to maintain precise level.
Process to change pH	Water passes through heavy media, slowing flow. Risk of media hardening and causing appliance damage.	Water is injected with NSF 60 certified* liquid . It has no taste, is safe for consumption, and contains electrolytes.
Water hardness	Increases water hardness; may require softening.	Does not affect hardness.
Ease of use	Requires backwash process.	Easy to refill tank.

System Specifications

Components	Meter	2.58"W x 4"D x 5.5 4.6"H
	Injection Pump	4"W x 5.25"D x 6"H
	Tank	18"W x 18"D x 35"H
Electrical Req.	120V	

Potassium Carbonate Refill 4 gallon liquid concentrate additive. Refill frequency depends on water usage.

*National Sanitation Foundation (NSF)



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