



Acid Neutralizer Filters

**Naturally boost pH to protect your plumbing from corrosion
and to prevent metals leaching due to acidic water**

Shallow wells and surface water sources such as rainwater, creeks, rivers, and lakes are often acidic with a pH of less than 7.

Acidic water can slowly corrode pipes, plumbing fittings, and household appliances. If it is not treated, this corrosion can lead to expensive damage, including leaks and failed plumbing parts that may cost thousands of dollars to repair. Acidic water can also cause harmful metals, such as lead, to dissolve from older solder and brass plumbing fittings into your drinking water. This can create a serious health risk for your family.

One of the simplest and most effective treatment options for acidic water is calcite, a natural mineral made up of calcium and magnesium carbonates. It helps reduce corrosion, protects plumbing from metal leaching, and balances pH. It is commonly applied prior to iron and manganese filters to improve performance, after reverse osmosis treatment to balance pH and to add back some beneficial minerals, and to prevent the leaching of metals like copper (blue/green stains) and lead.

Calcite works slowly and naturally limits how much it raises the pH. It is most effective when the water's pH is between 6.0 and 6.9. If the pH is below 6.0, better results can usually be achieved by mixing calcite with Corosex. Corosex (magnesium oxide) works much faster than calcite, making it a better choice for very acidic water or systems with higher water flow rates.

- ◆ Natural and environmentally friendly
- ◆ Relatively inexpensive
- ◆ Self-limiting, will not over-correct (calcite)
- ◆ Prevent plumbing system damage due to corrosion
- ◆ Stop blue/green stains on fixtures
- ◆ Extend the life of appliances and water heaters
- ◆ Prevent leaching of heavy metals from plumbing components
- ◆ Easy use media refill port on tank

HydraPlus™ neutralizer filters combine the industry's most advanced control valve, a brand name media tank made in North America, and an NSF/ANSI Standard 60 validated calcite media. The filter's control valve features metered backwash, 6-cycle programming, back-lit display, programmable service reminders (with dealer name and phone number display), advanced diagnostics, battery back-up, two relays to connect to accessory devices, and more.





PROTECT APPLIANCES

- Prevents corrosion of appliances & water heaters



PREVENT ACIDIC pH

- Prevents corrosion of pipes



SIMPLY PURE

- Prevents leaching of metals like lead and copper into drinking water

Popular Add-Ons and Accessories

Vortech



Enpress Vortech® Tank Upgrade

Looking to reduce water consumption and waste? With an upgrade to a Vortech® media tank, you can reduce your backwash and rinse water volume by 30 to 40%! A Vortech® tank upgrade is a great option for homes with low-yield wells or in areas prone to drought and water restrictions where water conservation is important.



No Raw Water Bypass Valve

During regeneration, HydraPlus™ systems will continue to supply service water, however, it will be untreated. If it is essential to prevent untreated water from reaching the building during regeneration, a No Raw Water Bypass Valve can be added to the system.



Bypass and Fittings

All HydraPlus™ systems come standard with a bypass assembly included as well as 1 inch NPT elbow (Clack® V3007) connection fittings. A wide range of alternative connection fittings can be ordered separately in 3/4 and 1 inch sizes, including NPT thread, Shark Bite®, John Guest®, and sweat/solder options.

Specifications & Operating Conditions

N-HP Series	10-54			13-54		
Meda Blend (% Calcite / % Corosex)	100% / 0%	75% / 25%	50% / 50%	100% / 0%	75% / 25%	50% / 50%
Optimal Service Flow Rate (GPM)*	4	5	6.5	5.5	7	9
Maximum Service Flow Rate (GPM)*	5.5	7	8.5	7.5	9.5	11.5
Backwash Flow Rate at 40F / 70F Water Temp (GPM)	3.2 / 4.2	4.2 / 5.3	6.5 / 6.5	7.5 / 9	9 / 10	10 / 13
Typical pH Range	6.5 to <7	5.5 to 6.4	4.5 to 5.4	6.5 to <7	5.5 to 6.4	4.5 to 5.4

Min. / Max. Water Pressure	20 / 90 PSI**
Recommended Water Pressure	40 to 70 PSI**
Water Temperature	40°F to 100°F (4°C to 38°C)***
Minimum Air Temperature	38°F (4°C)***

* Flow rate capabilities are highly dependent upon Calcite/Corosex blend, pH correction needed, and water conditions. You can blend any ratio of Corosex up to a maximum of 50%. Discuss with your dealer if your hardness exceeds 5 grains per gallon (85 mg/l or ppm) if Corosex is to be used.

** If your water pressure is greater than 70 PSI, we strongly recommend that a pressure reducing valve be installed ahead of the HydraPlus™ system.

*** The system cannot be exposed to freezing conditions or severe damage to the system and your property could occur.

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