ATLAS FILTRI®
improving water



WHY CORROSION MATTERS

Protect Water Heaters Before Damage Starts

Corrosive water chemistry can significantly reduce the performance and lifespan of tank and tankless water heaters by attacking metal surfaces, reducing heat transfer, and accelerating equipment wear.

Corrosion can result in:

- Heat exchanger pitting and pinhole leaks
- Reduced heat transfer and lower efficiency
- Increased energy costs and longer heating cycles
- Premature equipment failure
- Higher maintenance costs
- Accelerated scale formation
- Reduced system lifespan

Protect Equipment Before Damage Starts

Reverse osmosis is one of the most effective treatments for reducing silica, chlorides, and sulfates. Phosphate-based corrosion inhibitors help form a protective film on metal surfaces that minimizes corrosion while reducing mineral deposit formation. Together, these treatments help extend equipment life, improve efficiency, and reduce maintenance.

Water quality matters.

Silica forms a hard, glass-like coating that reduces heat transfer and restricts flow. Chlorides are especially damaging to stainless steel, causing pitting corrosion and premature heat exchanger failure. Sulfates contribute to corrosion and hard mineral deposits. When combined with hardness, these contaminants accelerate equipment deterioration.

Recommended water quality includes:

- Hardness below **7 grains/gal**
- Silica below **20 mg/L**
- Chlorides below **150 mg/L**
- Sulfates below **150 mg/L**
- Iron below **0.3 mg/L**
- pH between **6.5 and 8.5**

***Scan for* Technical Data Sheet**
Scale on Water Heating Units

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