

Heat Trap Anode Rod

This is an integrated replacement component that combines a sacrificial anode rod and a heat trap nipple in one unit. It installs on the hot water outlet side of a storage-type water heater. The assembly consists of a magnesium (or aluminum) anode rod, a zinc-plated steel nipple body, an internal polymer liner (polypropylene or PEX), and a heat-trapping mechanism (ball or flapper type). Various anode rod lengths (24", 33", 43") are available to fit different tank heights.

KEY FEATURES

1. Corrosion protection
2. Energy savings
3. Dielectric isolation
4. Easy installation
5. Code compliant

PRODUCT SPECIFICATIONS

Anode Material: Magnesium / Aluminum alloy

Nipple Body Material: Zinc-Plated Steel

Nipple Liner Material: Polypropylene / PEX

Heat Trap Type: Ball / Flapper / Baffle Type

Thread Specification: 3/4" NPT Male

NPT Thread: 3/4" (male × male)

Nipple Length: 2.5"-3.5"

Anode Rod Length (options): 24" / 33" / 43"

Anode Rod Diameter: 0.84"

Total Length (including nipple): 28.5"—48.44"

APPLICATIONS

1. Residential storage water heaters
2. Commercial water heaters
3. Routine maintenance
4. New construction/retrofits



Short Pipe Schematic Diagram