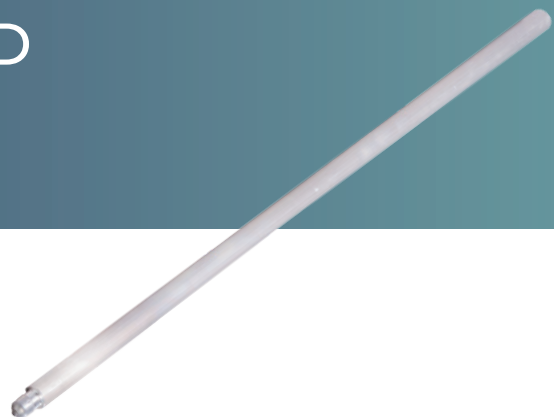




ALUMINUM ANODE ROD FOR WATER HEATER



CELEBRATED ENTERPRISE IN CATHODIC PROTECTION



ALUMINUM ANODE ROD FOR WATER HEATER

DATA SHEET

One of the most commonly found factors limiting the life of water heaters is interior corrosion. The water inside the heater tank can be very harmful to the system as the harsh minerals it contains can build up and eat away at the steel surfaces, a process which is only worsened by the high water temperatures.

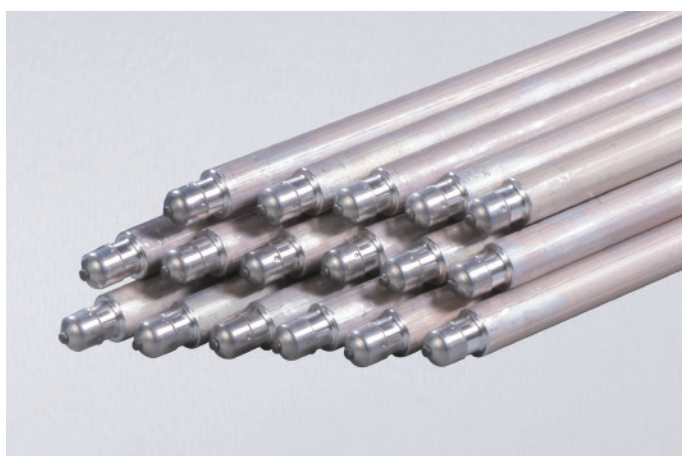
Anode rods are the most important factor in preventing corrosion and leaks in water heaters. The lifetime of a water heater can be greatly extended when the anode rods are replaced at regular intervals.

With the lowest voltage during the sacrificial process, aluminum anode rods usually corrode at a slower rate than magnesium rods. Thus, aluminum anode rods are the least expensive alternative, especially for water heater that heats up hard water.

■ Quality Substrate Material

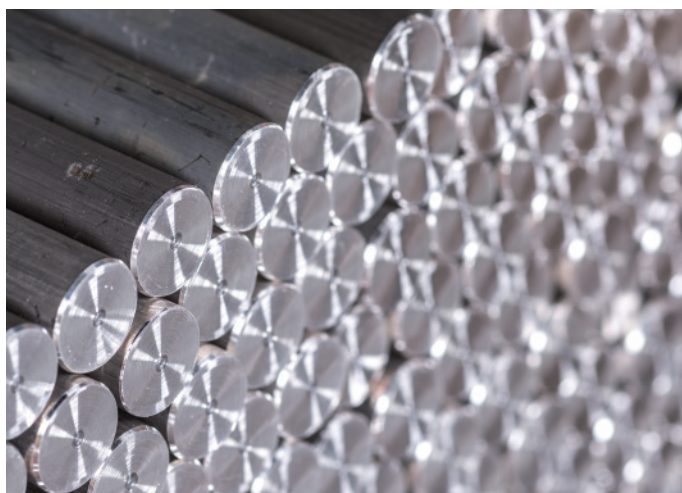
Constructed of high-grade aluminum, our anode rod is manufactured according to ASTM AS2239-2003 A5 standard.

Element	Standard	AS2239-2003 A5
Zinc (Zn)		4% ~ 5%
Indium (In)		—
Silicon (Si)		0.25% max.
Iron (Fe)		0.25% max.
Copper (Cu)		—
Stannum (Sn)		0.005% ~ 0.25%
Cadmium (Cd)		—
Nickel (Ni)		—
Total Impurities		0.15% max.
Aluminum (Al)		Remainder



■ High Current Output

This extruded anode rod has high surface and length ratios in relation to cross-sectional area. This allows a greater current per weight than typical cast anodes. By supplying stronger current, our aluminum anode rod can deliver effective protection to water heaters, even in higher resistivity electrolytes.



■ Uniform Current Distribution

With a thin steel core running the entire length of the anode as a support, the aluminum anode rod provides a uniform and efficient current distribution to ensure stable performance.



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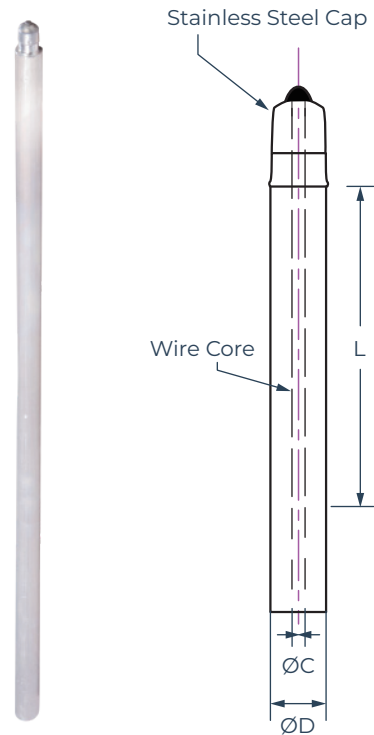
■ Easy Replacement

The anode rod is easily replaceable and should be checked each time the water heater tank is drained. Generally, anode rods should be replaced when the corrosion has consumed approximately 75% of the rod's mass. Our anode rod is expected to provide up to two years of corrosion protection.

SPECIFICATION

Item No.	Rod Diameter	Core Diameter	NPT
JA-WHR-A16	0.63" (15.9 mm)	0.13" (3.4 mm)	1/2"
JA-WHR-A19	0.75" (19.1 mm)	0.13" (3.4 mm)	3/4"
JA-WHR-A20	0.79" (20.0 mm)	0.13" (3.4 mm)	3/4"
JA-WHR-A21	0.84" (21.3 mm)	0.13" (3.4 mm)	3/4"

Notes: All dimensions are nominal. Custom-made shapes and sizes are available upon request.





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