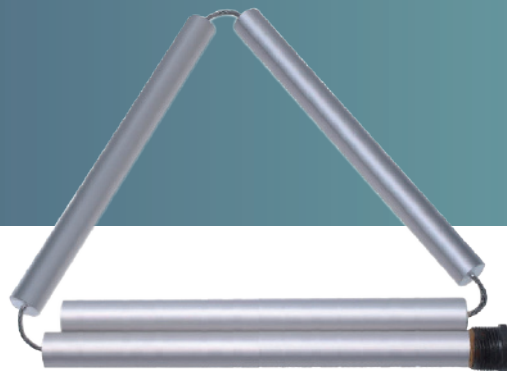




## FLEXIBLE ANODE ROD FOR WATER HEATER



CELEBRATED ENTERPRISE IN CATHODIC PROTECTION



# FLEXIBLE ANODE ROD FOR WATER HEATER

## DATA SHEET

Attached with carbon steel wire or 301 stainless steel braided wire, this four-sectional flexible magnesium anode rod is designed for narrow spaces where a rigid straight anode rod is unable to be inserted into the water heater. It is best for tight situations caused by limited direct access, such as low ceilings, closets, attics, under stairwells or in basements. This linked-style magnesium anode rod is typically used in replacement applications.

### ■ Quality Substrate Material

Our high grade flexible anode rod is produced to meet American standard ASTM B843-AZ31B, and Australian standard AS2239-2003 A5.

### ■ Uniform Current Distribution

Each anode rod has a steel core running lengthwise through its center, providing a uniform and efficient current distribution to ensure stable performance.

### ■ Segmented Design

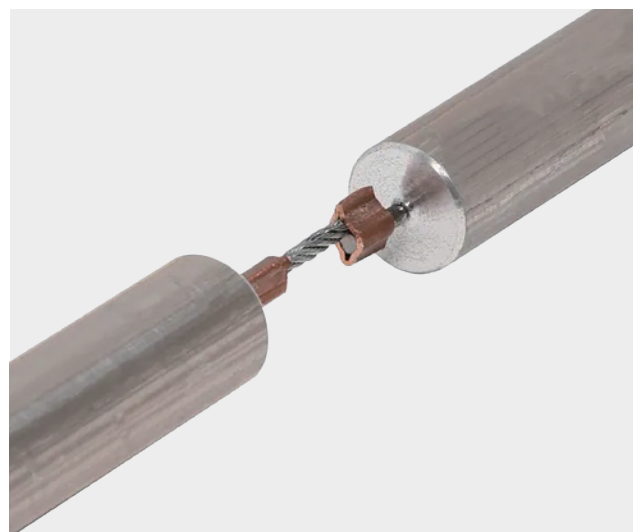
Compared with a cast rod, this extruded rod has better machining accuracy. The 45 inch long rod is hinged into four sections, allowing for easier installation in cases with limited access. The product can be safely cut to fit the water heater as required.

### ■ 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 about two years of corrosion protection.

### ■ Customized Configurations

This flexible anode rod is compatible with Rheem, BWC, AO, STATE and any solar or electric water heater with a standard  $\frac{3}{4}$ " NPT thread. Custom-made segments, length and thread are available upon request.



# FLEXIBLE ANODE ROD FOR WATER HEATER

## DATA SHEET

### CHEMICAL COMPOSITION

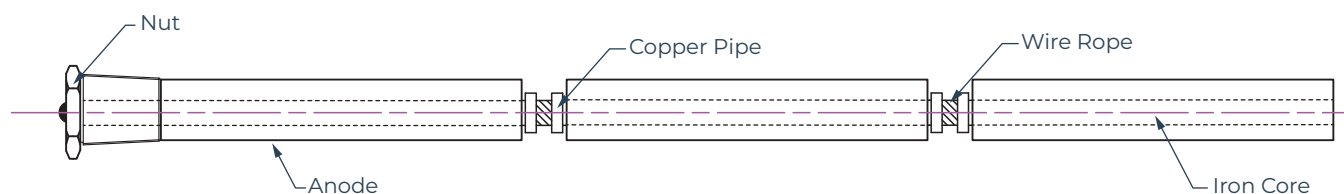
#### ■ Magnesium Anode Rod

| Element          | Standard | ASTM B843 – AZ31B |
|------------------|----------|-------------------|
| Aluminum (Al)    |          | 2.5% ~ 3.5%       |
| Zinc (Zn)        |          | 0.6% ~ 1.4%       |
| Manganese (Mn)   |          | 0.2% ~ 1.0%       |
| Silicon (Si)     |          | 0.1% max.         |
| Iron (Fe)        |          | 0.005% max.       |
| Copper (Cu)      |          | 0.01% max.        |
| Cadmium (Cd)     |          | 0.04% max.        |
| Nickel (Ni)      |          | 0.001% max.       |
| Total Impurities |          | 0.30% max.        |
| Magnesium (Mg)   |          | Remainder         |

#### ■ Aluminum Anode Rod

| 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      |

### SPECIFICATION



| Item No.      | Substrate | Rod Diameter       | Core Diameter     | Length             | NPT  |
|---------------|-----------|--------------------|-------------------|--------------------|------|
| JA-WHFL-M1150 | Magnesium | 0.84"<br>(21.3 mm) | 0.13"<br>(3.4 mm) | 45.3"<br>(1150 mm) | 1/2" |
| JA-WHFL-A1150 | Aluminum  | 0.84"<br>(21.3 mm) | 0.13"<br>(3.4 mm) | 45.3"<br>(1150 mm) | 3/4" |



## Worldwide Service Network

Our worldwide network of sales and service centers can provide immediate advice and assistance on the complete range of products.

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