YUXI

MAGNESIUM WATER HEATER ANODE ROD

PRODUCT DATA SHEET

AMPP CORPORATE MEMBER

www.yuxi-anode.com

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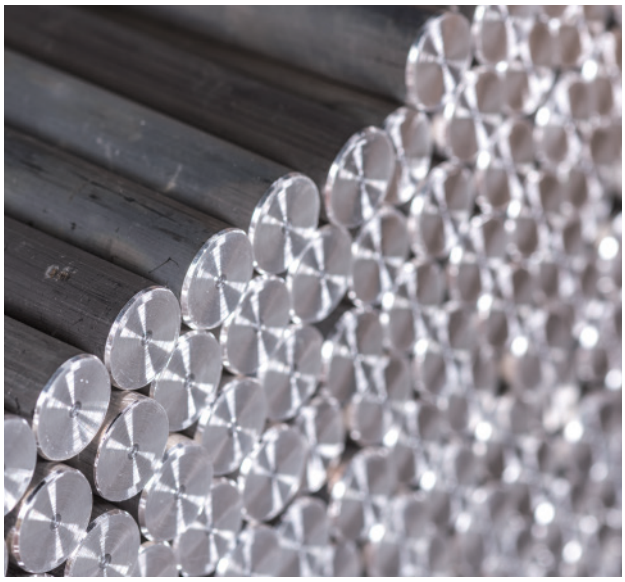
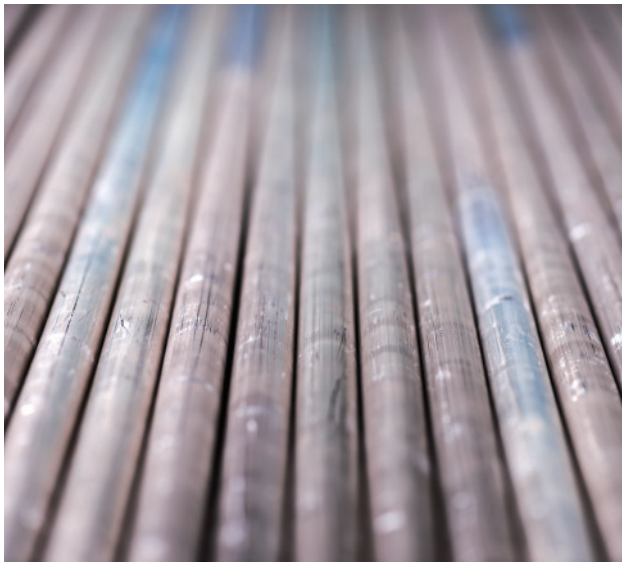
One of the most common killers of water heater is interior corrosion. The water inside the heater tank contains many destructive properties including heat and harsh minerals that can build up and eat away at the steel sidings, shortening the life of the electric water heater.

Anode rod is the key factor in preventing corrosion and leaks in water heater. The anode rod delivers electrons into the water that helps to create an environment that diverts corrosive action away from the tank walls to the anode rod. Thus, it prolongs the service life of the inner tank and the heating pipe.

Our magnesium extruded anode rod has high surface and length ratios in relation to cross-sectional area. It allows to deliver a greater amount of current per weight than usual cast anode.

Even though magnesium rod normally corrodes at a slightly faster rate than its aluminum counterpart, dissolved magnesium in water is eco-friendly. The anode rod should be replaced when the corrosion has eaten approximately 75% of the rod's mass. Generally, our anode rod is expected to provide about 2 years of corrosion protection.





CHEMICAL COMPOSITION

Element		Content (%)
Aluminum	(Al)	2.500 ~ 3.500
Zinc	(Zn)	0.600 ~ 1.400
Manganese	(Mn)	0.200 ~ 1.000
Silicon	(Si)	0.100 max.
Iron	(Fe)	0.005 max.
Copper	(Cu)	0.010 max.
Cadmium	(Cd)	0.040 max.
Nickel	(Ni)	0.001 max.
Other Impurities	(Total)	0.300 max.
Magnesium	(Mg)	Remainder

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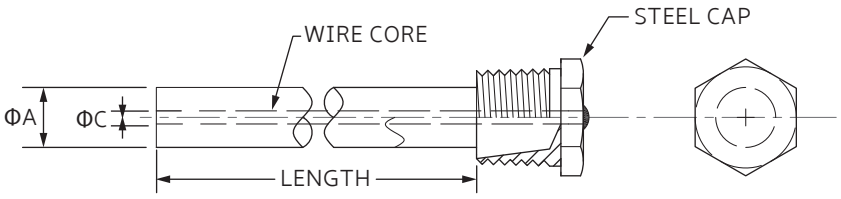
SPECIFICATIONS



Item No.	Rod Dia.(ΦA)	Core Dia.(ΦC)	NPT
YX-WHR-M12	12.7mm (0.50”)	3.4mm (0.13”)	1/2"
YX-WHR-M17	17.0mm (0.67”)	3.4mm (0.13”)	3/4"
YX-WHR-M21	21.3mm (0.84”)	3.4mm (0.13”)	3/4"
YX-WHR-M22	22.9mm (0.90”)	3.4mm (0.13”)	3/4"

Note: The anode rod length can be customized upon request.

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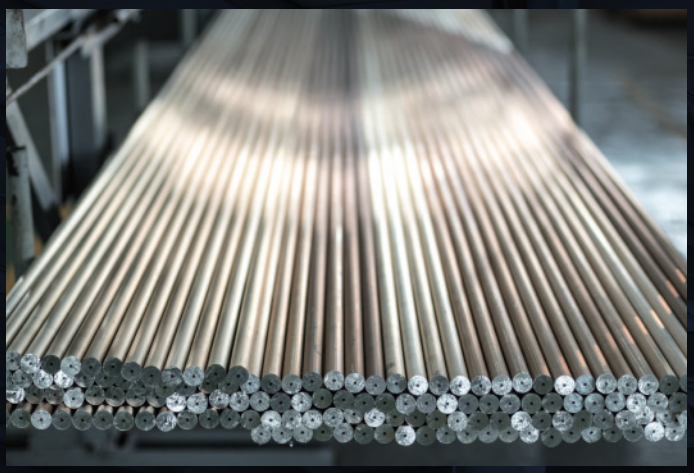

Industrial Corrosion Control Solutions Provider

Established in 2003, YUXI has over a 20-year heritage of innovation in corrosion control science and technology. We're a spirited team of ambitious thinkers and pioneer sheep with a common goal in mind: protect our clients' assets from corrosion with cost-saving measures.

We have the most comprehensive catalog of cathodic protection materials including anodes, transformer rectifiers, backfills, coatings, etc. Our anodes and supplies are manufactured to strict quality standards through an ISO 9001 quality management system and are guaranteed to offer excellent performance in the industry.

YUXI

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