



Magnesium Water Heater Rigid Anode

Water is highly solvent and corrosive which is potentially damaging to the surface metals within a water heater, boiler or storage tank and these components are expensive and often complicated to replace.

Water heater anode rod is typically made of either aluminum, magnesium or Zinc. They are referred to as "sacrificial anode rod". Hot water heater sacrificial anodes are installed in order to protect the water tank against corrosion. The anode sacrifices its metal content to protect the hot water heater against corrosion and leakage. This extends the lifetime of water heaters and water tanks.

YUXI supply high quality water heater anodes in high potential (Mg-Mn alloy), standard potential (AZ31 alloy), Aluminium and zinc alloy as well.

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Magnesium Anode Rod

Magnesium anode rods are excellent sacrificial rods, used to protect the inside metal surface of your water heater tank. The magnesium corrodes instead of your tank. Magnesium anode rods tend to be consumed quicker than Aluminum or zinc anode rods due to the higher voltage they create during the sacrificial process. Even though Magnesium anode rods normally corrode at a slightly faster rate than most anode rods, dissolved magnesium in water can offer many health benefits.



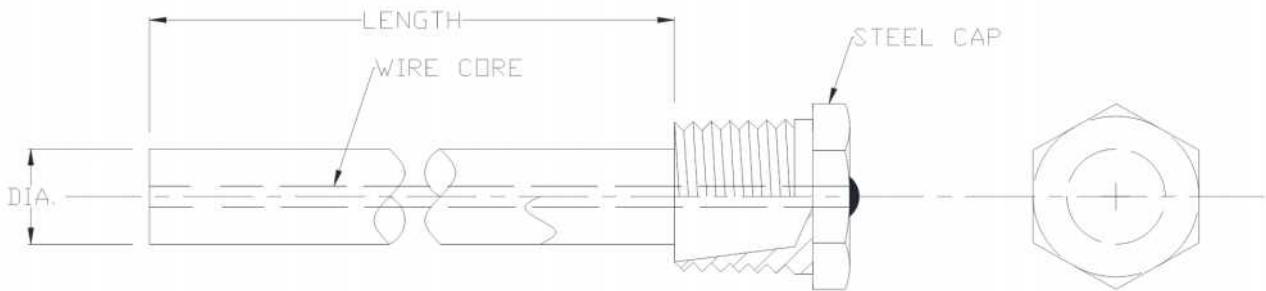
Anode Replacement

Regular water heater maintenance is a worthwhile investment. When the anode rod has rusted away, the water heater's tank may begin to rust, which will cause the water heater to fail, and you'll end up paying hundreds for a brand new water heater. We strongly recommend that you should at least have your anode checked every few years after your Product Guarantee period of 2 years.

CHEMICAL COMPOSITION

Aluminum	2.50-3.50%
Manganese	0.20-1.00%
Zinc	0.60-1.40%
Calcium	0.04% Max
Silicon	0.10% Max
Copper	0.01% Max
Nickel	0.001% Max
Fe	0.005% Max
Sn	/
Other purity (each)	/
Total Purity	0.30% Max
Remaining	Magnesium

SPECIFICATIONS



NO.	Diameter (mm)	Core (mm)	Length (mm)	Steel Cap
WHMR12	12.7	3.4	As request	1/2" NPT
WHMR17	17.0	3.4		3/4" NPT
WHMR21	21.3	3.4		3/4" NPT
WHMR22	22.9	3.4		3/4" NPT

► Anode size and cap type can be customized

Aluminum Anode Rod

Aluminum anode rods are the least expensive and create the lowest voltage during the sacrificial process. Both zinc and aluminum can work well in seawater. But when it comes to a higher salinity, aluminum is much more effective. It requires about 1/3 of the weight to protect the same surface. So if you are in high salinity environments with low contamination (contamination, low salinity can cause so that aluminum anodes are passivized), we recommend using aluminum anodes.

CHEMICAL COMPOSITION

Aluminum	Balance
Manganese	/
Zinc	4.00-5.00% Max
Calcium	/
Silicon	0.25% Max
Copper	/
Nickel	/
Fe	0.25% Max
Sn	0.05-0.25% Max
Other purity (each)	/
Total Purity	0.15% Max

SPECIFICATIONS

NO.	Diameter (mm)	Core (mm)	Length (mm)	Steel Cap
WHMR16	15.9	3.4	As request	1/2" NPT
WHMR19	19.1	3.4		3/4" NPT
WHMR20	20.0	3.4		3/4" NPT
WHMR21	21.3	3.4		3/4" NPT

▶ Anode size and cap type can be customized