

Magnesium Condenser Anodes

Most magnesium condenser anodes are cast in different shapes and sizes with AZ63, an equivalent alloy or Pure Iron alloy. HP Magnesium alloy is available upon request.

Jennings Anodes manufactures & supplies a full product line for use in Heat Exchangers, Condenser Water Boxes, Cooling Towers, Inter-coolers and Tank Interiors.



Applications

- Heat Exchangers
- Condenser Water Boxes
- Cooling Towers
- Intercoolers
- Tank Interiors

Chemical Composition

Element	Grade ASTM B843 - AZ63 or Equivalent
	Standard Potential (H-1B, 1.5V)
Aluminum	5.3 ~ 6.7%
Zinc	2.5 ~ 3.5%
Manganese	0.15 ~ 0.70%
Silicon	0.30%
Copper	0.05%
Nickel	0.003%
Iron	0.003%
Other Each	/
Others Total	0.30%
Magnesium	Remainder



Electrochemical Properties

Alloy Standard	Open Circuit Potential (-V)	Close Circuit Potential (-V)	Current Capacity	Current Efficiency
Grade ASTM B843 - AZ63C Or Equivalent	1.50 ~ 1.55	1.45 ~ 1.50	550A.h/lbs (1230A.h/kg)	55%

Open / Close Circuit Potential is with respect to a Saturated Calomel Reference Electrode.

Specification

Anode Model	Anode Weight	Anode Size (L × W × H)	Steel Core Size (Hc × Wc)	Steel Core Type
JA - MG - H22	22lbs (10kg)	20" × 10" × 2" (508 × 254 × 51mm)	1/4" × 1 1/2" (6.35 × 38mm)	3/4"-10 UNC STUD
JA - MG - H24	24lbs (11kg)	18" × 9" × 2" (457 × 229 × 51mm)	1/4" × 2" (6.35 × 51mm)	3/4"-10 UNC STUD
JA - MG - H44	44lbs (20kg)	18" × 9" × 2" (457 × 229 × 51mm)	1/4" × 2" (6.35 × 51mm)	Two Cast-in Galvanized Steel Straps

Packing

Anode Model	Unit	Packing Detail			
		Nos. of Anodes per Crate/Pallet	Crate/Pallet Size	Net Weight	Gross Weight
JA - MC - R7.5	EA	500	41" × 41" × 22" (1050 × 1050 × 550mm)	1213lbs (550kg)	1312lbs (595kg)
JA - MC - R15	EA	200	41" × 41" × 22" (1050 × 1050 × 550mm)	1598lbs (725kg)	1698lbs (770kg)
JA - MC - R15	EA	100	41" × 41" × 22" (1050 × 1050 × 550mm)	1510lbs (685kg)	1609lbs (730kg)

Quality Assurance & Testing

Jennings Anodes manufacturing Quality Control Procedures are employed and strictly adhered to ensure the ultimate performance & life of the anode. We carry out 3rd party testing to guarantee the quality of the anodes.

Shipping Documents

- Invoice
- Packing List
- Testing Reports (Chemical Composition, Electrochemical Properties Test, Certificate of Compliance)
- Others upon request (Certificate of Origin etc.)