

H-1A MAGNESIUM VESSEL ANODES

Magnesium anodes, while most commonly used in soil applications, can also be used for aqueous applications where a high driving potential is required. Magnesium H-1A (standard) alloy provides a driving potential of -1.55V CSE, when compared to Zinc (-1.10V CSE) or Aluminum (-1.05V CSE) it can be used in applications where rapid polarization may be required. Corrpro provides the H-1A alloy anode in a 3" diameter by 22" length or 3" diameter by 30" length.

Both the 3" by 22" and 3" by 30" anodes come with a 5/8" N/F/ threaded male end and female end. By going with this design option it gives the user easy threaded installation onto a bolt or through a hole, while also providing the option to thread multiple anodes together when applications require more surface area or weight. A common mounting option for the anode is to use the anode in conjunction with an Internal Vessel Anode Adaptor. Using this mounting option provides the user with easy monitoring options of the anode, while also providing easy access for replacement when the anode is consumed.



Application

Corrpro aqueous magnesium anodes have a variety of fresh and saltwater applications. These include ship hulls, barges, condensers, heat exchangers, chillers, piers, pilings, lock and dam tainters and sluice gates. Because magnesium produces a high-driving potential, these types of anodes are also used for rapid polarization of structures in saltwater environments.

Ordering Information

Corrpro supplies the H-1A alloy magnesium anode two options, 3"x22" length or 3"x30" length. When ordering a H1-A standard potential magnesium vessel anode, please consider the amount of anode and the size of anodes required for you to complete the task. Also, keep in mind if any internal vessel anode adaptors and anode adaptor leads are required.

CHEMICAL COMPOSITION

Element	Content%
	Magnesium H-1A Alloy
Al	5.0 - 7.0
Mn	0.15 max
Zn	2.0 - 4.0
Si	0.30 max
Cu	0.10 max
Ni	0.003 max
Fe	0.003 max
Other	0.3 max
Magnesium	Balance



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