

# V-AMMO

Vertical Deep and Shallow Mixed Metal Oxide Anode System (Metric Units)

**Custom configured V-AMMO (Vertical Anode utilizing Mixed Metal Oxide) suitable for all well anode applications. Fully customized, allowing designer flexibility for varying project conditions.**



## Overview

- Based on extensive experience manufacturing products and years of service utilizing specialty anodes for vertical anode applications.
- Designed and assembled using high quality materials manufactured in North America to the highest standards. Items are stocked for immediate assembly and quick shipping.
- Industry leading venting system ensures generated gases are vented efficiently providing optimum anode performance.
- Multi-component, chemical resistant layered anode-to-cable splices.

## Fully Customized Ordering

Customized anode output:

- 492 mA/m—40 year design life\*
- 820 mA/m—40 year design life\*
- 984 mA/m—20 year design life\*
- 1640 mA/m—20 year design life\*

\* Based on well backfilled with carbon/coke for anode section.

## Cable Selection

Can be ordered with either of the below cable types:

- HMWPE—High Molecular Weight Polyethylene—Standard Cathodic protection cable for shallow anodes.
- HALAR/HMWPE—Chemical resistant, recommended for deep well applications.

**Note:** To avoid drying the anode, limit the current density at the coke column-soil interface to 1000 mA/m<sup>2</sup> in clay and 1600 mA/m<sup>2</sup> in other soils.

## Features & Benefits

- + North American assembled for quick shipping to job sites.
- + Reel-mounted assembling prevents damage and facilitates fast installation.
- + Premium HALAR/HMWPE chemical resistant cable option.
- + Suitable for any hole diameter larger than 150 mm.
- + Built-in redundancy, including looped cable system and multiple cable to anode splices.
- + Light weight anode system reducing transportation costs for your project.
- + Multiple current outputs and life expectancy ensuring the anode system meets your project requirements.
- + Vent system is directly connected to anode ensuring immediate gas venting.

## Technical Data

VENT PIPE		ORDERING
Filter Cloth	Particle blocking up to 0.279 mm	Included*
	Chemical resistant	Included*
Pipe Material	2.54 cm flexible polyethylene, c/w venting holes along the active anode area	Included*

\* Unless otherwise specified, the vent pipe is included as part of the system and can be ordered separately.

ANODE	CHECK ONE OF THE BELOW	
Output/Life	492 mA/m—40 year design life	<input type="radio"/>
	820 mA/m—40 year design life	<input type="radio"/>
	984 mA/m—20 year design life	<input type="radio"/>
	1640 mA/m—20 year design life	<input type="radio"/>

CABLE TYPE	CHECK ONE OF THE BELOW	
Type	HALAR Ultimate chemical protection	<input type="radio"/>
	HMWPE Standard cathodic protection cable	<input type="radio"/>

CABLE SIZE	CHECK ONE OF THE BELOW	
Size	#4 AWG—Less than 5% Attenuation	<input type="radio"/>
	#6 AWG—Less Than 5% Attenuation	<input type="radio"/>
	#8 AWG—Less Than 5% Attenuation	<input type="radio"/>

LOWERING SYSTEM		
Rope	9.525 mm Polypropylene	Included
Weight	50 mm Carbon Steel (18 kg)	Included

ANODE WELL CABLE LENGTHS	FILL IN BELOW	
Active Anode Section	Length of active anode material	<input type="text"/> m
Non Active Anode Section	Length of cable between top of anode and well surface	<input type="text"/> m
Cable Tail	Length of cable extending outside from anode well	<input type="text"/> m

ATTENUATION	
Attenuation	Less than 5%

## Recommended Uses

- Deep-well groundbeds 150 mm dia or more.
- Semi-deep well groundbeds 150 mm dia or more.
- Shallow-well groundbeds 150 mm dia or more.



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