

## thermOweld<sup>®</sup> Chemical Ground Rods



thermOweld's UL Listed Chemical Ground Rods are designed to be used in high resistivity soil conditions. When low resistance grounding is critical, our system fits the bill.

Our chemical grounds are designed with a conductor 18" from the top of the rod. Unlike typical solid copper ground rods, chemical ground rods are perforated, tubular ground rods. The outside diameter of the copper tube is 2 1/8" and are available in two styles depending on your needs: vertical and horizontal L-shaped (for when proper depth cannot be achieved due to physical conditions such as bedrock), each chem rod comes pre-filled with a salt/electrolyte mixture. Over time, the saline solution will leach out of the perforated holes into surrounding soil or ground, forming conductive roots. These roots increase



the conductive surface area to ground, in turn lowering the resistance to ground.

Available in both vertical and horizontal L-shaped versions, if you need to install in an area where it is difficult to drill straight down, the horizontal chem rod shines, allowing you to install it in a trench, horizontally, and still achieve a low-resistance ground connection. Since chem rods use salt mixtures to function properly, over time the salt mixture will be depleted and the chem rods will need to be recharged. Recharging is easy, simply open the access point on the top of the chem rod and pour in fresh salt mixture up to the bury line, but below the breather hole. The environment where the chem rod is installed has a major impact on the frequency of maintenance. thermOweld® recommends inspecting your chem rod system at least once a year to ensure its continued performance. Environments with high rain runoff, snow melt, high water tables, moist locations and other variable environmental factors, may require the chem rod to be inspected more frequently, as these conditions will cause the salt to leach out faster.

Along with our chemical rods, we offer a chem rod kit. The kit includes the chem rod, access well, and ground enhancement material. In addition, thermOweld<sup>®</sup> chem rod kits come with pigtails exothermically welded to the rod. The pigtails come in various conductor sizes and lengths to suit your application. The access wells provide an easy access point to the top of the chem rod for typical maintenance, such as recharging the chem rod. Lastly, ground enhancement material, CONTACT-GF, is a ground enhancement material installed around the chem rod. CONTACT-GF helps to further lower the resistance of the grounding system in wet or dry conditions, it contains a corrosion inhibitor, and can be poured in dry or pumped in slurry form. Next time you need a low resistance grounding solution, contact your local thermOweld® sales representative and inquire about our line of complete chemical ground rod kits! More details below.

Vertical Chemical Ground Rods			Horizontal L-Shaped Chemical Ground Rods			
Catalog Number	Length	Pigtail	Catalog Number	Length	Pigtail	
38-6050-02	10'	5' - #2 Sol (tinned)	38-6051-02	2' x 10'	5' - #2 Sol (tinned)	
38-6050-03	10'	5' - 2/0 Str	38-6051-03	2' x 10'	5' - 2/0 Str	
38-6050-04	10'	5' - 4/0 Str	38-6051-04	2' x 10'	5' - 4/0 Str	
38-6050-05	20'	5' - #2 Sol (tinned)	38-6051-05	2' x 20'	5' - #2 Sol (tinned)	
38-6050-06	20'	5' - 2/0 Str	38-6051-06	2' x 20'	5' - 2/0 Str	
38-6050-07	20'	5' - 4/0 Str	38-6051-07	2' x 20'	5' - 4/0 Str	

Other sizes and conductor types may be available, contact Customer Service for more information.

## thermOweld<sup>®</sup> Chemical Ground Rod Kits







Vertical Chemical Ground Rod Kits									
Catalog Number	Length	Inspection Well	Contact GF 25# Bag	Pigtail					
38-6050-31	5'	Yes	2	5' - 4/0 Str					
38-6050-32	10'	Yes	4	5' - #2 Sol (tinned)					
38-6050-33	10'	Yes	4	5' - 2/0 Str					
38-6050-34	10'	Yes	4	5' - 4/0 Str					
38-6050-35	20'	Yes	8	5' - #2 Sol (tinned)					
38-6050-36	20'	Yes	8	5' - 2/0 Str					
38-6050-37	20'	Yes	8	5' - 4/0 Str					

Inspection Well

Contra Calification	Horizontal L-Shaped Chemical Ground Rod Kits								
Standard Internet	Catalog Number	Length	Inspection Well	Contact GF 25# Bag	Pigtail				
S.	38-6051-32	2' x 10'	Yes	2	5' - #2 Sol (tinned)				
Constant	38-6051-33	2' x 10'	Yes	4	5' - 2/0 Str				
\$10.356.135 GA	38-6051-34	2' x 10'	Yes	4	5' - 4/0 Str				
and the	38-6051-35	2' x 10'	Yes	4	5' - #2 Sol (tinned)				
	38-6051-36	2' x 10'	Yes	8	5' - 2/0 Str				
Contact GF	38-6051-37	2' x 10'	Yes	8	5' - 4/0 Str				

©2024 Burndy. All rights reserved. Hubbell and the Hubbell logo are registered trademarks or trademarks of Hubbell Incorporated. All other trademarks are the property of their respective owners. <u>www.hubbell.com/burndy</u> | Customer Service 1-800-346-4175 | International 603-647-5299 | Canada 1-800-465-7051 thermOweld Chemical Ground Rods | 11/2024



