

Retractable Grounding Assembly™, RGA™ 750 Gen 2, Specifications

Usage

The Retractable Grounding Assembly™ (RGA™) is designed to provide the lowest impedance between a Floating Roof Tank (FRT) shell and its roof by creating the shortest possible path between the two. This connection is obtained by keeping constant tension on the wide aluminum braided cable, which takes advantage of the “skin effect” at lightning frequencies. The RGA™ needs minimal maintenance and is easy to install on both new and existing tanks in petrochemical, water treatment, and other facilities. The RGA™ can be installed during erection, maintenance shut downs or during regular operation of a tank. As purchased, the RGA™ assembly contains everything required for installation on a typical floating roof tank except for an anti-corrosive coating used to protect the RGA™ connections at the tank wall and roof. Consult LEC for ground strap attachment methods depending on foam dam style as additional material that is not included in the standard installation kit will be required.

Specifications

Materials	
Reel	316L Stainless Steel, qty. 1
Cable	1056/30 Flat Braided Aluminum, 80 ft. [24.4 m]
Straps	1 in. [25 mm] Wide 768/30 Flat Braided Aluminum, 12 in. [305 mm], qty. 2
RGA™ Mount	10 Gauge 316L Stainless Steel, qty. 1
Horizontal Mount	8 Gauge Galvanized and Formed Plate, 6 ½ in. [165 mm], qty. 1
Mounting Hardware	3/8-16 316 Stainless Steel Bracket Mounting Hardware, qty. 10
Weight	
RGA™ Kit	80 lb. [36 kg]
Horizontal Mount	3.2 lb. [1.5 kg]
Straps	0.2 lb. [0.1 kg]
Mounting Hardware	1.1 lb. [0.5 kg]
Shipping Box	6.0 lb. [2.7 kg]
Total Weight	90.5 lb. [40.8 kg]
Overall Dimensions	16.2 in. x 15.0 in. x 14.8 in. [411 mm x 381 mm x 376 mm]
Certifications	CE/ATEX Marked, ITSO8ATEX15806
United States Patent	#7,078,621
Warranty	36 months on material and workmanship
Part Number	0011691
Name Plate Description	REEL RGA750V2 80FT FL AL BRD