



Lightning Eliminators Launches RGA® 750, Optimized Protection for Floating Roof Tanks

Most effective solution for lightning strike protection to be available in June; will replace existing RGA® models

(April 23, 2015, Boulder, CO) Lightning Eliminators & Consultants, Inc. (LEC), the leading supplier of integrated lightning protection and lightning prevention products, solutions and services, today announced the release of RGA® 750, an optimized version of its award-winning product the Retractable Grounding Assembly (RGA), designed to protect floating roof tanks from lightning strikes. RGA® 750 will replace the company's existing RGA® 75 and RGA® 55 models and will be available in June 2015.

Since its launch in 2000, LEC's patented RGA® has earned accolades and awards from the oil and gas industry. At the same time, it has helped to improve safety, prevent production downtime and product loss, and curb the financial devastation associated with lightning strikes to floating roof tanks.

"Our RGA products have been embraced by the tank storage industry, but the risks associated with lightning strikes to floating roof tanks remain substantial," said Matt Napier, president, LEC. "Through years of real-world application and scientific research with our RGA products, we're confident that RGA 750 is the single most effective method for protecting floating roof tanks and the assets they store against loss due to lightning strikes."

The RGA® protects against such risks better than other methods because the retractable cable is always at the shortest possible length.

In addition to being a one-size-fits-all solution, the RGA® 750 boasts a wide range of improvements over its predecessors, including:

- **Pre-tensioning.** The RGA® 750 is pre-tensioned at the factory; no on-site tensioning is required.
- **Corrosion resistance.** The use of new aluminum cable, originally developed for marine applications, greatly improves corrosion resistance and is highly resistant to hydrogen sulfide (H₂S). Aluminum cable samples significantly outperform both bare and tinned copper cables when exposed to a severe H₂S environment.
- **Ease of installation.** Installation takes two hours for both new and existing tanks.
- **Durability and maintenance.** Engineered for years of durability and reliable performance in corrosive environments and requires virtually no upkeep as compared to shunts*.
- **Improved retraction.** Stronger springs retract the cable, resulting in an average increase in retraction force over the entire cable payout range of 340 percent over the RGA® 75 and 600 percent over the RGA® 55.
- **Weight.** RGA® 750 weighs less due to the use of aluminum cable.

**API testing proved that shunts would arc under all conditions, even if the tank wall shunts are new and clean.*

“Our 5154A braided aluminum cable outperforms copper and tinned copper in a sour gas environment, while meeting the requirements of API 545, Recommended Practice for Lightning Protection of Aboveground Storage Tanks for Flammable or Combustible Liquids,” noted Kirk Chynoweth, director of engineering, LEC, and author of the company’s white paper on RGA® 750. “Further, unlike copper and tin, aluminum is not subject to sulfide stress cracking. And with improvements in available spring retraction force of 340 percent to 600 percent over previous RGA® models, a great reduction should be seen in cable flexion and twisting due to wind currents within the confines of the tank shell.”

For more information about RGA® 750, please visit www.lightningprotection.com/rga-750/. To download the full white paper on RGA® 750, please visit www.lightningprotection.com/tank-bonding-cables/

About Lightning Eliminators & Consultants, Inc.

Lightning Eliminators & Consultants, Inc. (LEC) is dedicated to providing integrated lightning protection and prevention products, solutions and services by utilizing innovative patented charge transfer technology, grounding systems engineering, surge protection design, and providing comprehensive consulting services based on physics and state of the art engineering principles. Working globally and throughout the United States, LEC has implemented its proprietary DAS™ solutions in addition to RGA® solutions for floating roof tanks across many industries like Petrochemical, Oil and Gas, Biochemical, Communications, Mining, Nuclear Energy, Utilities, Power Generation and Manufacturing. For more information: www.LightningProtection.com.

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