**MAGS**

**Moveable Arm Grounding System**

- **Best Available Technology**
  Meets API 545, NFPA 780, and IEC 62305 Standards requirements for bypass conductors

- **Safe insulated conductor, and no metal on metal friction**
  Eliminates risk of arcing between moving and fixed components

- **Unsurpassed Durability**
  UV and thermal protected cable rated for use from <50 degrees f to >100 degrees f

- **Low Maintenance, nothing to break**
  Simple gravity powered design, no spring loaded parts or retracting reels

- **Highest quality components**
  300 series stainless steel base, fiber glass arm

- **Manufactured in-house**
  Lightning Master Corporation, USA

- **Patent Pending**
  Extensive research and development, and product testing result in highest quality system

Lightning Master is a full service, full spectrum static solutions and lightning and transient protection company **serving the oil and gas and chemical industries since 1984**. Our complete line of products and systems is backed by our worldwide support and customer service. Lightning Master is the global leader in lightning and static protection.

Contact us at: 1-800-749-6800 | info@lightningmaster.com | www.lightningmaster.com
Bonding for Floating Roof Tanks

DIFFICULTY OF LOOSE CABLE

- Loose cable can create a high-impedance path for current, increasing the risk for arching.
- Cable can tangle and interfere with proper roof operations.

BENEFITS OF MOVEABLE ARM

- Stainless steel base, light glass reinforced plastic arm keeps cable from tangling.
- Gravity powered design, no spring loaded parts or moving reels.
- UV and thermal protected cable.

About 30% of tank fire and explosion incidents are due to lightning.

EFR tanks are particularly vulnerable to the effects of lightning because of the isolated floating roof. A direct or nearby lightning strike will cause a difference in potential between the floating roof and the tank shell, which, if not properly bonded can be an ignition source.

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Unparalleled Customer Service

Site Survey and Evaluation · System Design Products · Customer Service

COMMITTEE PARTICIPATION

- NFPA 780
- API 545
- NFPA 781
- IEEE 1576