

Truck Grounding + Riser Control System



Prevent Fires Caused by Static Discharge

When loading or unloading flammable products, it is important that trucks be securely grounded to the plant ground grid before starting to transfer product. This reduces the risk of fire ignited by the discharge of static electricity that may build up on the truck. The vehicle itself is normally well insulated from earth ground by its rubber tires.

The **GroundBOSS™** System is designed to provide redundant ground connections to the truck. A LED light on the panel gives local ground indication to the trucker. A contact in the panel is available as a permissive to enable or disable flow through a pump or valve.

Eliminate Ground Cable Tripping Hazards

On conventional truck grounding systems, the ground cables from the riser to the truck typically present a tripping hazard for anyone walking alongside the vehicle. The **GroundBOSS™ Swing Arm** eliminates that hazard by routing the grounding cables *overhead* to the truck. Breakaway clamps are used to prevent damage to equipment in the unlikely event that a truck drives away without removing the ground clamps.



Key Features + Benefits

- ❑ Cost-Effective
- ❑ Custom Designs
- ❑ Simple Installation
- ❑ Class I, Zone 2
CSA & UL Approved



GroundBOSS™ GB202

The **GroundBOSS™ GB202** panel provides a trucker interface at truck loading/unloading risers.

- Truck ground monitoring LED pilot lights and contact for remote status indication
- 24 VDC power-fused at 2 amps
- High intensity LED pilot lights provide reliability
- CSA and UL approved for Class 1, Zone 2 Group IIB Hazardous Locations

The **GroundBOSS™ GB202** can be fitted with any of the following options:

- Emergency shutdown push-button
- Open and close loading valve push-buttons with LED pilot lights
- Truck riser status (ready/ not ready) indication LED pilot lights
- Terminals for connection of a truck riser horn & beacon
- Custom designs

GroundBOSS™ GB-SA-100

The **GroundBOSS™ GB-SA-100** uses a single breakaway clamp connection to the truck.

GroundBOSS™ GB-SA-200

The **GroundBOSS™ GB-SA-200** uses two breakaway grounding clamps; one at the front end and one at the rear of the truck and eliminates cheating the ground circuit.

Swing Arm and Grounding Clamp Assembly

The Swing-Arm and Grounding Clamp Assembly offers significant operational advantages at truck risers:

- The swing-arm creates a clear walkway for truckers, eliminating the tripping hazard created by grounding cables that run from the truck island to the truck.
- The breakaway clamp opens automatically if a truck drives away with the ground clamp still attached. This feature eliminates the potential for damage to the grounding equipment and the truck.
- The clamp and cable are kept off the ground and out of the mud, resulting in longevity of the equipment.
- Due to high quality equipment and design simplicity, the system requires low maintenance. This is a big advantage compared to spring-loaded retraction systems that tend to fail under continuous use.