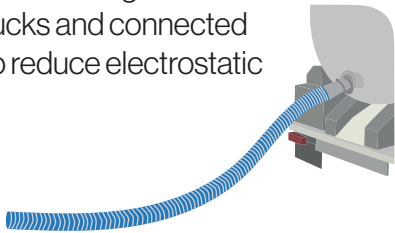




Vacuum trucks and bulk chemical tank trucks transferring flammable products require static grounding protection. This mitigates the build-up of static electricity on the truck and equipment like hoses, that are connected to the truck during the transfer process.

Any isolated (unbonded) conductive object may accumulate a charge and provide a spark gap. Even when using a conductive hose, vacuum truck operators should both ground and bond their trucks and connected equipment to reduce electrostatic discharges.



A vehicle installed (MGV) or gantry fitted (RTR) grounding system empowers drivers, specifiers and operation managers to enforce safety protocols (SOPs) that should be followed to ensure static grounding is put into practice before and during product transfers.



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02

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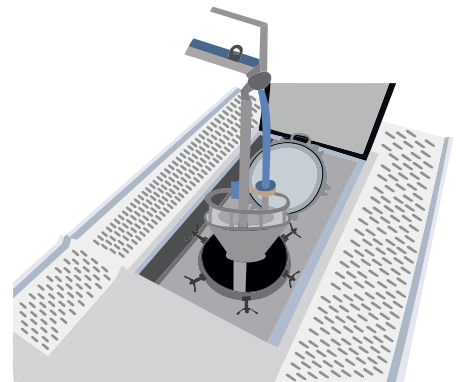
04

Static Dangers with Tank Trucks

A typical tank truck, without static grounding protection, could have its voltage raised to between 10,000 and 30,000 volts within 15 to 50 seconds when being filled with a liquid at the recommended flow rate.



The turbulence experienced in filling operations, caused by large flow rates, splashing or free-falling liquids, greatly increases the charge accumulation above the level generated in piping systems.



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