Liquids Handling Control and Safety Systems

scully
Scully Signal Company

Scully Signal Company has been manufacturing innovative liquid detection and delivery systems since 1936. Scully is the inventor and leading supplier of fuel oil delivery systems, automatic self-checking tank truck and terminal overfill prevention systems, retained product monitors, and vehicle grounding and identification systems. Scully also provides quality storage tank liquid level monitoring systems, self-locking couplings and automated fleet fueling systems.

Scully supplies many industries with its Dynacheck® automatic and continuous self-checking overfill prevention systems. They are used on loading stations, refueler vehicles, tank trucks, storage tanks of all types and sizes, rail cars, and in many other applications.

All Scully systems have rugged, modular construction and are built to exacting standards with thorough attention to safety details. They are approved by major testing laboratories in the United States, Canada, Europe and Australia.

Scully has also met the rigorous quality standards established by the International Standards Organization (ISO) and the Sira Certification Service (SCS). Scully has been certified to ISO 9001, which is a model for quality assurance for companies involved in the design and development, production, installation and servicing of a product or service.

Scully is the leading manufacturer with over sixty years experience in designing equipment for liquid handling operations. By choosing a Scully system, you are assured of protection for your operation with the highest degree of reliability and safety.
Tank Gauges

MagneLink®, Ventalarm®, Twis-Lok® and Econ-o-Gage® Swing Arm Float Gauges
- Ventalarm Gauge combines the famous Ventalarm Signal with a gauge in one unit
- Twis-Lok gauges feature two-piece construction for easy installation
- Unique magnetic feature for use with the Intellitank® electronic automatic reorder system
- Units fit 1 1/4" and 2" tank holes
- Large variety of sizes to fit most tanks
- Feature easy to read level indicators
- Made from non-rusting materials
- Leak proof construction

Scully Snorkel® Gauges
- Take clean, dry fuel from 1" below the surface
- End ice and sludge clogged fuel lines
- Provide a return line opening
- Are ideal for mobile homes and other low burner firing rates
- Feature a two piece assembly making installation easier
- One unit fits both 1 1/4" and 2" tank holes

Golden Gallon Gauge®
- Measurement readings are available in gallons and inches
- Perfect for use in a variety of liquids, including lube and waste oil
- Large easy-to-read numbers allow you to check level readings from a distance
- Installs easily in existing 1 1/4" and 2" openings
- Custom lengths are available to fit tanks up to 108" in depth
- Features a super-strong kevlar string and a unique polypropylene double float for durable operation in various types of liquid products

FOR INFORMATION CALL SCULLY AT 1-800-272-8559 OR 617-692-8600
Tank Fill Alarms

**Ventalarm® Signal**
whistling fill device
for new installations

- The original failsafe audible alarm, whistles while filling - stops when full
- Available in 1 1/4", 1 1/2" or 2" tank holes for 1 1/4", 1 1/2" or 2" vent pipes
- Used for aboveground and below ground tanks
- Version for a 90° pipe elbow available
- Meets the latest national venting code regulations, NFPA 31 regarding vent requirements for fuel storage tanks
- For standard 275 gallon tanks

**Whistler®**
whistling fill device
for retrofit installations

- Vent pipe whistle alarm
- Available in 1", 1 1/4", 1 1/2" and 2" sizes
- Economical unit installs easily with a special tool. No pipe cutting required
- Whistle stops when the tank is full
Sixty Years of Inventions and Innovations

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Terminal Overfill Prevention Controllers
For bottom and top loading applications

Intellitrol® Terminal Overfill Prevention, Grounding and Vehicle Identification System
- Overfill prevention
- Vehicle ground verification
- Vehicle identification
- Complete diagnostic information and remote communication

Intelliview™ Terminal Overfill Prevention, Grounding and Vehicle ID Control Software
- Microsoft® Windows based program
- Provides remote monitoring and control of Scully’s Intellitrol and V.I.P.®
- Features animated on-screen icons of each control unit at the loading lane
- Shows real-time details of status and operation

Sculcon® Junction Box
- Provides easy connection of a loading rack’s overfill monitoring and static grounding system to the vehicle mounted sensing systems
- Various plug styles available for all industry standard sensors

ST-35 Multiple Point Overfill Prevention Controller
- Models available to monitor from 1-12 compartment tank vehicles
- Dynacheck® self-checking circuitry
- Automatic shutdown
- Intrinsically safe operation
- Worldwide approvals

Intellitrol® overfill prevention, vehicle grounding and identification system

Intelliview™ terminal overfill prevention, grounding and vehicle ID control software

ST-35 multiple point overfill prevention controller
Ball Valve Delivery Nozzles
With Built-In Swivel
● Original Scully ball valve design and deadbolt locking handle
● High quality aluminum body with a hard chrome plated brass ball valve
● Feature leak-proof filling with Nitrile and Viton seals for no-drip operation
● Used for deliveries up to 100 G.P.M. with Scullflow® nozzles and 200 G.P.M. with Super nozzles
● Prevents closing shock to prolong truck equipment life
● Models available for use with fuel oils, lube oils, chemicals and diesel
● Backed by factory repair and service with immediate turnaround

Sculmatic® Mark IV® Flow Control
● Flow switch and check valve combined in one unit
● Pumping rate is controlled from the nozzle for high pumping speeds
● Eliminates damaging surge and shock pressure

Ventafil® Portable Combination Fill Device and Spill Alarm
● Three-in-one unit works in conjunction with the Scully delivery nozzle
● Aluminum construction for durability
● Driver only carries one piece to the tank site
● Built-in vents prevent foam and won’t disturb sludge on the tank bottom
● Fits 1/2" and 2" tank openings
● Available in 9", 36" and 50" lengths

Unifil® Tightfill Connections
● Provide one single hook-up for 2", 1 1/2", and 1 1/4" male or female fill pipes
● Simple 1-2 connection. Scully nozzle with Unifil connector removes the Unifil cap and with a quick connection interfaces to the Unifil adaptor
● Eliminate blow backs, leaks and spills for dependable deliveries
● Maximize pumping rates

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Scul-Lock® and Scul-Tite®
Cam and Groove Couplings

- 100% made in the USA of the highest quality materials
- Scul-Lock couplings lock automatically and require a manual disconnect
- Meet API standards and ASTM F 1122-87 and MIL-C-27487 specifications
- Competitively priced
- Standard and special sizes available
- Available in stainless steel, aluminum, monel, hastalloy and other copper bearing alloys
ST-15 Single Point Overfill Prevention Controller
- Monitors one compartment tank vehicles
- Dynacheck® self-checking circuitry
- Automatic Shutdown
- Intrinsically safe operation

Groundhog™ Self Proving Ground Verification
- Proof positive that the vehicle is properly grounded for static discharge during loading operations
- Can be used in conjunction with overfill prevention systems or as an independent system
- Automatic shutdown if a proper static ground is not present. Manual checks are not required

V.I.P.® Vehicle Identification System
- Enhanced efficiency and safety for liquid level terminal loading through truck to terminal communications
- Communicates a unique vehicle identification number to the terminal PC
- Terminal can prevent loading of unauthorized vehicles without manual documentation review or inspection

ST-45 Vapor Sensing System
- Senses vapor moving through the recovery line
- Automatic shutdown if a proper vapor flow is not detected
- The truck to rack vapor hose cannot be accidentally left unconnected
- Meets enhanced safety and pollution control standards

Marine Barge Shore High Level Alarm Controller
(Not shown)
- Meets United States Coast Guard specifications for facilities practicing vapor recovery
- Shore based tie-in to barge compartments
- Audible and visual alerts

FOR INFORMATION CALL SCULLY AT 1-800-272-8559 OR 617-692-8600
IntelliCheck® Onboard Overfill Prevention and Retained Product Monitoring System

- Intelligent diagnostics and Dynacheck® automatic self-checking circuitry
- Monitors up to eight compartments
- Uses existing Scully 5-wire optic or 2-wire optic overfill prevention sensors
- Prohibits inadvertent or deliberate bypass of overfill sensors
- Monitors the presence of retained product
- Warns against product mixing
- Confirms deliveries
- Keeps the driver off the top of the truck
- Compatible with all Scully rack overfill prevention controls

Sensors

- Feature Dynacheck® automatic and continuous self-checking circuitry
- Use proven 2-wire or 5-wire optic sensing technology
- Point level sensing for storage tanks, tank trucks, railcars and other applications
- Function within a wide range of ambient temperatures
- Field adjustable for a variety of sensing levels
- Solid state construction with no moving parts

Sockets

- Provide durable connection from the truck to the rack
- Designed for use with Scully 2-wire or 5-wire sensors and Scully on-board overfill prevention systems
- Easy gripping vinyl caps
- Stainless steel contact pins
- Rugged construction to withstand the rigors of road travel

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Automated Fleet Fueling Systems
For mobile and land based applications

SAFFS™
Scully Automated Fleet Fueling System
- Automatic, hassle-free fuel management system
- Placing the nozzle into the vehicle fuel tank inlet activates the entire system
- Prevents unauthorized fueling
- Eliminates problems with key, card and bar code systems
- Assures accurate and reliable information
- Reduces fuel and maintenance costs
- Provides optional driver identification and authorization
- SAFFTRAK™ management software keeps track of each transaction for accurate reporting

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Electronic Automatic Reorder Systems

IntelliTank™ Electronic Automatic Remote Reorder Systems

- Eliminate degree day guesswork and frustration
- For fuel oil, lube oil, LPG, chemicals and gasoline
- Sends vital information via an electronic automatic remote reorder signal from a customer’s tank to the fuel dealer’s PC
- Notify a designated computer in the fuel dealer’s office when the tank reaches approximately ½ and ¾ fuel levels
- Transmitter cover features a molded location for your company label
- Scully MagneLink™ gauges are available exclusively for use with the IntelliTank system
- Allow you to maximize profits while minimizing your number of deliveries

FOR INFORMATION CALL SCULLY AT 1-800-272-8559 OR 617-692-8600
Top Loading Overfill Prevention Systems
For chemical and petroleum applications

ST-15 Single Point Overfill Prevention Controller
- Monitors one compartment tank vehicles
- Dynacheck® self-checking circuitry
- Automatic shutdown
- Intrinsically safe operation

Portable Liquid Level Sensors
- Overfill prevention for the top loading of railcars, chemical tank trucks and more
- Signal for the immediate shutdown or sound an audible alarm when the vehicle is fully loaded
- Adjustable sensing depth
- Use proven thermistor or optic technology
- Store easily at the rack location

Groundhog™ Self Proving Ground Verification
- Proof positive that the vehicle is properly grounded for static discharge during loading operations
- Can be used in conjunction with overfill prevention systems or as an independent system
- Automatic shutdown if a proper static ground is not present. Manual checks are not required

For information call Scully at 1-800-272-8559 or 617-692-8600
Aviation Fueling Safety Systems

**Overfill Prevention System**
For Aviation Refuelers/Defuelers

- Designed to suit commercial, Army, Navy and Air Force refuelers
- Compatible with overfill controls installed on commercial and military fill stands
- Entire system can be easily installed from the outside of the tank
- Dynachek® automatic and continuous self-testing circuitry for maximum safety
- During defueling, overfill protection is still provided even without connection to fill stand controls
- Overfill alert options include: visual, audible and/or automatic shutdown
- Deadman switch available for applications where the customer requires it

**Groundhog™ Self Proving Ground Verification**

- Proof positive that the vehicle is properly grounded for static discharge during loading and offloading operations
- Can be used in conjunction with overfill prevention systems or as an independent system
- Automatic shutdown if a proper static ground is not present. Manual checks are not required
- Intelligent monitoring prevents inadvertent or deliberate bypass

FOR INFORMATION CALL SCULLY AT 1-800-272-8559 OR 617-692-8600
Storage Tank Liquid Level Detection Systems

- Level Detection Systems for Storage Tanks
  - Spill prevention, high level alert and reorder sensing
  - Dynacheck® automatic and continuous self-checking circuitry for safe operation
  - Systems available to monitor from 1 to 12 sensing points
  - Custom sensing configurations available for your tank applications
  - Employ Scully’s field-proven thermistor or optic sensors for level detection

Scully storage tank systems use high reliability thermistor or optic sensors

- Single point high level
- Multiple point high level

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