

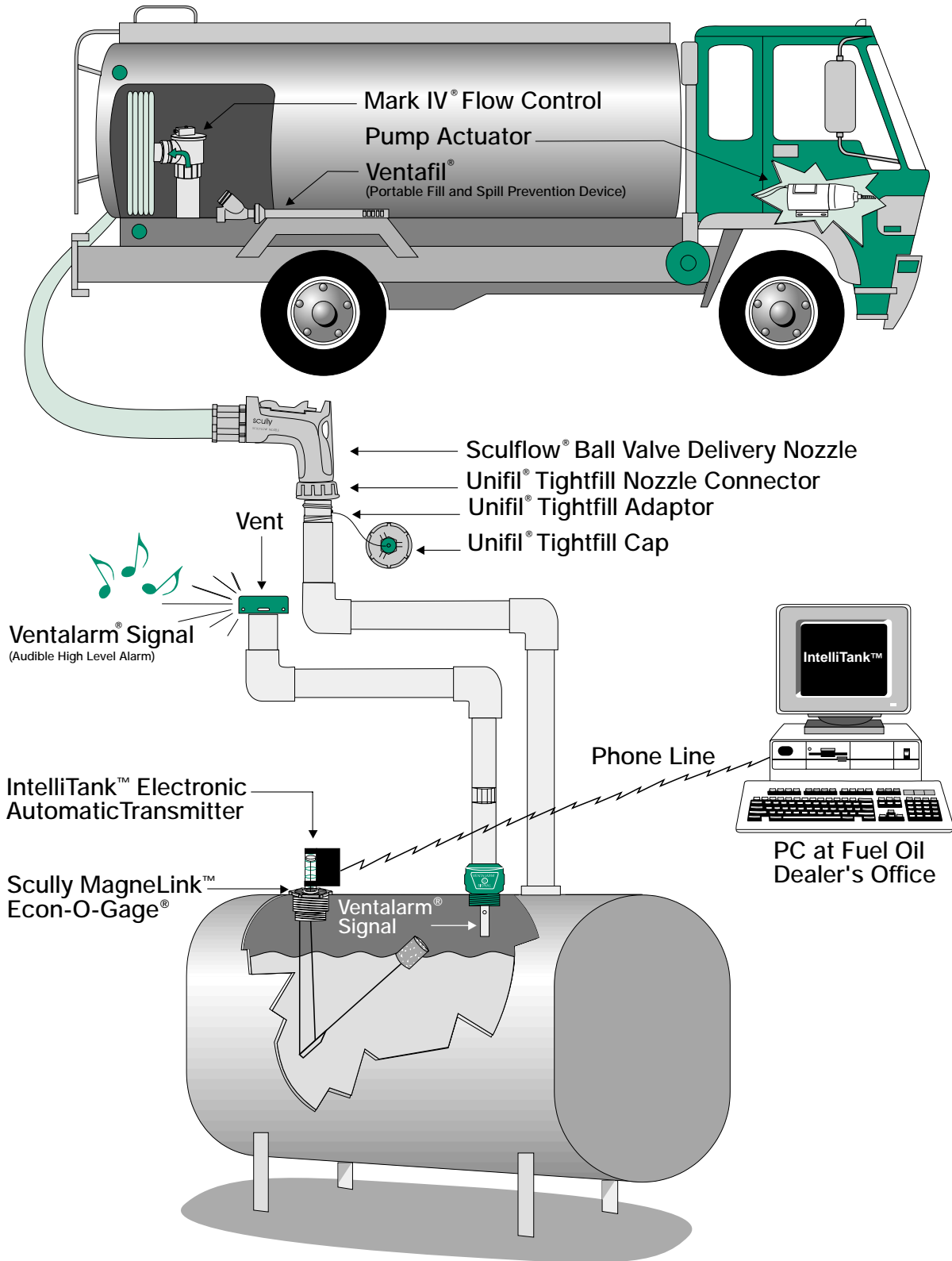
Scully Oil Delivery Systems

The Original and Ultimate Delivery Efficiency Equipment



scully

Sixty Years of Innovative Delivery Efficiency Equipment



Increase Your Profits With Scully Systems

Scully Signal Company has been manufacturing innovative liquid detection and delivery systems since 1936. Over six decades, Scully has launched a whole series of fuel oil delivery products including gauges, tightfill connectors, delivery nozzles, flow controls and engine speed controls designed to work as a system to reduce costs and improve profitability. Now IntelliTank™, our electronic automatic oil delivery fuel reorder system notifies you when your customer's tank needs a fill.

In addition, Scully manufactures automatic self-testing overfill prevention systems, retained product monitors, vehicle grounding and identification systems, and automated fleet fueling systems.

Scully has 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.

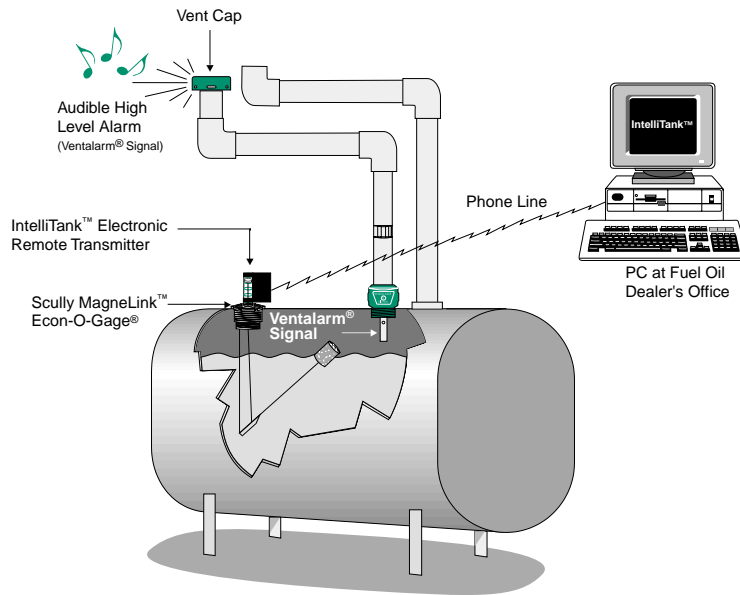
By choosing a Scully system, you invest in 60 years of expertise in delivery efficiency and liquid handling systems. Within the pages of this catalog, you'll find that Scully delivers the safest, most efficient and most profitable fuel handling system for your application.



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Scully Delivery Communications Systems



IntelliTank™ Electronic Automatic Fuel Reorder System

Maximum Drops for Fewer Deliveries

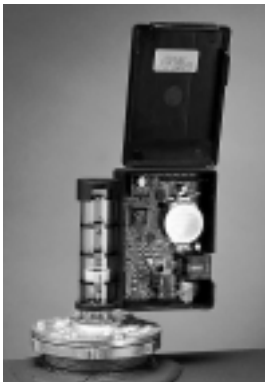
- Calls your office computer when the customer's tank is approximately at the $\frac{1}{2}$ and $\frac{1}{4}$ fuel levels. Plus a redundant $\frac{1}{4}$ level notification offers additional security.
- Fewer, more profitable drops per account.
- Attracts new accounts and retains existing ones.
- Low cost investment per account.
- On-site hardware installs easily.
- Works over customer's existing phone line without interrupting phone service.
- Calls in at scheduled intervals to verify operation and alerts you when a scheduled call in has not been made.
- PC software stores management account information for scheduling and service.
- Battery operation with low-life warning allows continued use even during power failures.
- Can be used with fuel oils, lubricants, propane, and other liquids.

Typical Customer Site Hardware

- IntelliTank transmitter.
- IntelliTank MagneLink™ compatible tank gauge.
- Phone jack and line (customer supplied).

Home Office Equipment

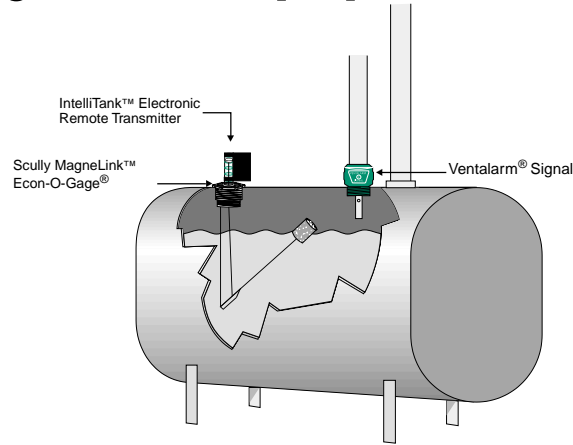
- Dedicated PC, 386 or better IBM® compatible, 80 MB hard disk and 4 MB RAM.
- Recommended after-hours phone service connection.



Description	Part #
IntelliTank Transmitter	00626
IntelliTank Underground Transmitter	00613
IntelliTank Fuel Reorder Optic Sensor	00629

The IntelliTank™ system is sold and serviced directly to retail fuel marketers only. Minimum order volumes apply. Consult Scully for details.

Scully Tank Equipment



Scully Tank Fill Signals

The Original Tank Fill Whistle Alarms

Scully tank fill signals are the original whistle-stops. They whistle when the tank is filling. When the whistle stops, the tank is full. The calibrated whistle stems allow for product expansion and may be cut for flat style tanks. A patented screen keeps the whistle chamber free from pipe scale and bugs. Scully fill alarms stop costly spills and prevent ruptured tanks while improving your delivery efficiency. They are completely reliable and accurate. A one time installation usually outlasts the life of the tank. Models are available for most every type of tank installation.

Ventalarm® Signals

The First and the Finest

- Since 1936! The original Ventalarm tank fill signal is built to last.
- Used for above and below ground tanks.
- Version for a 90° pipe elbow available.



Tank Opening	Vent Pipe	Model #	Part #
1 1/4"	1 1/4"	VS 201	00201
1 1/2"	1 1/2"	VS 202	00202
1 1/2"	1 1/4"	VS 240	00208
2"	1 1/4"	VS 521	00215
2"	1 1/2"	VS 530	00216
2"	2"	VS 270	00209
1 1/4" (90° Elbow)	1 1/4"	VS 230	00227
2"	1 1/2"	Cardinal Tank	00269
2"	2"	*16 1/2" - up to 2,000 gal.	00272
2"	2"	*21 3/4" - greater than 2,000 gal.	00274
2"	2"	For 275 gal. vertical and flat tanks	00275

* For cement vaulted tanks

Compression Ventalarm® Signals

The Whistle-Stop for Existing Installations

- Installs without removing the existing vent pipe.
- Special leak-proof fitting joins and seals Ventalarm to pipe.
- No threading or additional fittings required.



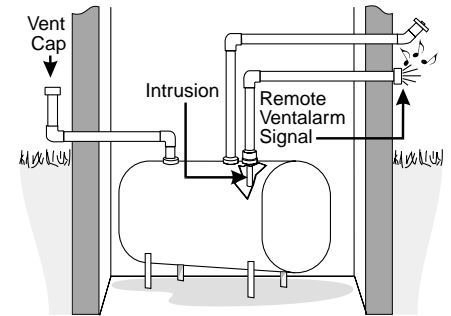
Tank Opening	Vent Pipe	Model #	Part #
1"	1"	VS 224	00205
1 1/4"	1 1/4"	VS 220	00203
1 1/4"	1"	VS 221	00204
1 1/2"	1 1/2"	VS 229	00207
2"	2"	VS 275	00213
Gasket Kit	1"	VS 224/221	10269
Gasket Kit	1 1/4"	VS 220	10266
Gasket Kit	1 1/2"	VS 229	10299
Gasket Kit	2"	VS 275	10328

Compression Ventalarm Signals are not for use in underground tanks.

Remote Ventalarm® Signals

Whistle-Stop for Vents Distant from Fill Pipe

- Whistle-Stop installs near fill pipe.
- Uses a special intrusion stem and weighted vent cap.
- Large tank versions available for heavy oils.



REMOTE VENTALARM SIGNALS

Tank Opening	Vent Cap	Model #	Part #
1 1/4"	1 1/4"	VS 921	00219
1 1/4"	2"	VS 924	00221
*Special	1 1/4"	VS 926	00223

*Fits into hole drilled into tank when no opening is available.

LARGE TANK REMOTE VENTALARM SIGNALS

Description	Model #	Part #
Vent cap, 2" pipe, heavy duty	VC 127	00255
Intrusion, 2" thread	VC 113	10059
Whistle signal, 3/4" line	VC 153	10071
Complete assembly	VC 119	00233

Large tank remote signals require a 3/4" line for heavy oils - not supplied by Scully.
Remote signals require 3/8" copper tubing to connect to whistle - not supplied by Scully.



VENT CAPS



Description	Model #	Part #
Vent cap, 1 $\frac{1}{4}$ " die cast	VC 547	00267
Vent cap, 1 $\frac{1}{4}$ " weighted	VC 910	00262
Vent cap, 2" heavy duty	VC 127	00255
Vent cap, 2" unweighted	VC 921	00260

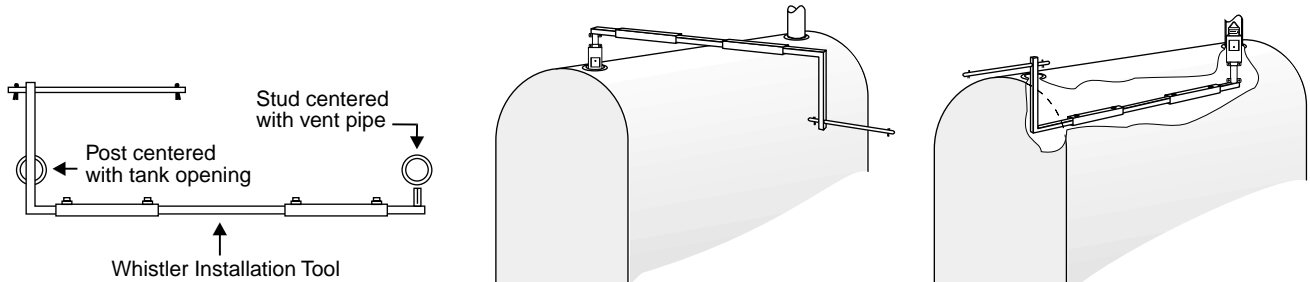
Whistler[®] Fill Signal

Retrofits into the Internal end of the Vent Pipe

- Economical unit installs with special tool into the vent pipe.



Description	Model #	Part #
1" Vent Pipe	WL 170	00401
1 $\frac{1}{4}$ " Vent Pipe	WL 100	00402
1 $\frac{1}{2}$ " Vent Pipe	WL 101	00403
2" Vent Pipe	WL 102	00404
Installation Tool	WL 140	00412



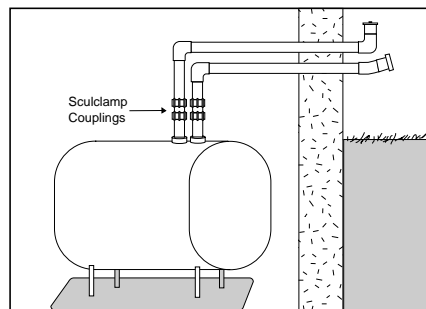
Sculclamp[®] Compression Pipe Couplings

Make Tank Replacement Fast and Easy

- Lets you replace a tank without removing fill and vent pipes.
- Rugged design makes pipe connections secure and leak free.
- Gaskets keep any fumes from leaking.



Description	Model #	Part #
1 $\frac{1}{4}$ " Sculclamp Compression Pipe Coupling	AF 251	01116
1 $\frac{1}{2}$ " Sculclamp Compression Pipe Coupling	AF 252	01117
2" Sculclamp Compression Pipe Coupling	AF 253	01122



Not intended for underground use.

Scully Tank Gauges

Known to Outlast the Life of the Tank

Scully tank gauges feature durable and leak-proof construction. They have easy to read level indicators and are simple to install. The standard in tank gauging equipment for decades, Scully gauges come in a variety of sizes to fit the most popular storage tanks.

MagneLink™ Ventalarm® Gauges

The Original Combination Whistle Alarm and Level Indicator

- One unit fill alarm and level indicator saves installation costs.
- Protects against spills.
- Durable construction known to outlast the life of the tank.
- Communicates with the IntelliTank™ Electronic Automatic Fuel Reorder System.



Tank Opening	Vent Pipe	Tank Depth	Model #	Part #
1½"	1¼"	22" - 24"	VG 125	01401
1½"	1¼"	26" - 27"	VG 125	01402
1½"	1¼"	42" - 44"	VG 125	01406
2"	1¼"	22" - 24"	VG 126	01408
2"	1¼"	26" - 27"	VG 126	01409
2"	1¼"	37"	VG 126	01412
2"	1¼"	42" - 44"	VG 126	01413
2"	1½"	26" - 27"	-	01444
2"	1½"	42" - 44"	-	01445
2"	2"	26" - 27"	-	01455
2"	2"	42" - 44"	-	01456
Replacement Vial and Gasket			ALL	10159
ULC Listed Replacement Vial and Gasket			ALL	11825

MagneLink™ Twis-Lok® Gauges

The Tank Gauge with Removable Cap

- Two piece construction for easy installation - just wrench in.
- Design helps prevent breaking the float arms.
- Rain shed design makes it suitable for outdoor use.
- One unit fits both 1½" and 2" tank openings.
- Made from non-rusting materials.
- Communicates with the IntelliTank™ Electronic Automatic Fuel Reorder System.



Tank Depth	Model #	Part #
22" - 24"	IntelliTank™ Ready	01441
26" - 27"	IntelliTank™ Ready	01442
42" - 44"	IntelliTank™ Ready	01443
47"	IntelliTank™ Ready	01447
Replacement Vial and Gasket		ALL 10159
ULC Listed Vial and Gasket		ALL 11825



MagneLink™ Econ-O-Gages®

The Low Priced Level Indicators

- Inexpensive and accurate level indicator.
- Large variety of sizes to fit most tanks.
- Leak-proof construction with non-rusting zinc casting.
- Dual bushing fits both 1½" and 2" tank openings.
- Communicates with the IntelliTank™ Electronic Automatic Fuel Reorder System.

Tank Depth	Model #	Part #
22" - 24"	EG 217	01424
26" - 27"	EG 216	01421
30"	EG 220	01434
37"	EG 218	01425
40"	EG 221	01435
42" - 44"	EG 215	01422
47" - 48"	EG 222	01436
64"	EG 223	01439
Replacement Vial and Gasket	ALL	10159
ULC Listed Vial and Gasket	ALL	11825



MagneLink™ Snorkel® Gauges

The Level Indicators with a Floating Burner Feed Line

- Takes clean, dry fuel from 1" below the surface.
- Ends ice and sludge clogged fuel lines - pays for itself when just one service call is eliminated.
- Provides a return line opening.
- Ideal for mobile homes and other low burner firing rates.
- Two piece assembly makes installation easier.
- One unit fits both 1½" and 2" tank openings.
- Communicates with the IntelliTank™ Electronic Automatic Fuel Reorder System.

Tank Depth	Model #	Part #
26" - 27"	TS 121	01415
42" - 44"	TS 120	01416
Replacement Tube	27"	10544
Replacement Tube	44"	10543
Replacement Vial and Gasket	ALL	10159
ULC Listed Vial and Gasket	ALL	11825

Golden Gallon Gauges®

Double Float Tank Gauge for Indoor, Outdoor and Buried Tanks



- Super strong kevlar string for smoother operation.
- Eliminates the need to stick the tank, saving time and money.
- Unique polypropylene double float design.
- Measurement readings available in gallons or inches.
- Easy-to-read window has an anti-fogging vapor barrier.
- Most accurate gauge of its kind.
- Large numbers allow you to check level from a distance.
- Installs easily in 1½" and 2" openings.
- Accommodates tank depths to 108".
- Used in a variety of liquid products.
- Perfect for will call accounts.
- The standard in lube oil and waste oil tanks.

READ IN GALLONS

Model Size	Part #
158 gallon-Highland, 60" depth	03173
192 gallon-Highland, 72" depth	03174
245 gallon, 48" depth	03177
270 gallon, 36" depth	03162
275 gallon, 44" depth	03101
275 gallon, 42" depth	03102
275 gallon, 27" depth	03105
300 gallon, 60" depth	03175
325 gallon, 39" - 43" depth	03163
330 gallon, 43" depth	03157
500 gallon, 26" depth w/ 11¼" ext.*	03180
500 gallon, 65" depth	03176

Model Size	Part #
520 gallon, 48" depth	03158
550 gallon-Twin 275s, 44" depth	03171
560 gallon, 48" depth	03159
1,000 gallon, 36" depth w/ 11¼" ext.*	03179
1,000 gallon, 48" depth	03160
1,000 gallon, 49.5" depth w/ 14½" ext.*	03195
1,000 gallon, 50" depth w/ 11¼" ext.*	03184
1,000 gallon, 60" - 64" depth	03161
1,000 gallon, 47" depth w/ 11¼" ext.*	03191
2,000 gallon, 60" - 64" depth	03165
2,000 gallon, 48" depth w/ 11¼" ext.*	03193

*Extensions are for cement vaulted tanks.

NOTE: Consult Scully for additional gallon reading models.

See next page for gauges which read in inches and for technical specifications.

READ IN INCHES

Model Size	Part #
22" depth	03130
24" depth	03129
30" depth	03126
32" depth	03125
34" depth	03124
36" depth, w/11 ¹ / ₄ " ext.* Convault D500 and 1000	03207
36" depth	03123
36" depth, 16th inch increments	03178
38" depth	03122
40" depth	03121
42" depth	03120
44" depth	03119
46" depth	03118

Model Size	Part #
47" depth	03144
48" depth	03117
50" depth	03116
52" depth	03115
54" depth	03114
56" depth	03113
60" depth	03111
60" depth w/ 6" extension	03146
60" depth w/ 4" extension	03145
62" depth	03186
64" depth	03187
66" depth	03188
70" depth	03190
72" depth	03139
108" depth	03197

* Extensions are for cement vaulted tanks.

NOTE: Consult Scully for additional inch reading models.

Some Golden Gallon Gauges are available in liters and/or centimeters, please consult Scully.

Extension length is the height from bottom of gauge to top of tank. Inch reading gauges available in 2" increments from 12" to 108". Fractional and custom lengths also available. Consult Scully for part numbers. Not intended for use as an overfill prevention device. Gauge is calibrated at the factory and should not be recalibrated in the field. Do not install prior to tank shipment. Remove gauge prior to shipment with tote tanks.

Wetted Materials: Polypropylene float. Kevlar string impregnated with polyurethane.

Exposed Materials: Zinc plated housing. Fire marshal approved cloth tape. Plated steel and brass internal components.

Liquid Use: Not intended for gasolines, acids and some solvents. Consult Scully for specifics.



Scully Water Detector

For Fast and Accurate Water Presence and Level Detection

The Scully Water Detector is the perfect unit to keep on hand when checking water levels in fuel tanks. It is lightweight and portable with a sensor head small enough to fit into most tank openings. Aside from above and below ground tanks, the water detector is used in boat tanks and bilges, underground wiring tunnels and more. It's a sure fire alert to the presence of water and accurate in determining volume.

Portable Water Level Sensor

- Eliminates the need for a paste stick.
- Sounds an audible alarm when it touches water.
- As easy to use as a drop line.
- Lightweight and battery operated.
- Can be used in gasolines, jet fuels, fuel oils #1-4, diesel and gasohol.

Specifications

- Brass sensor.
- 7/8" probe diameter.
- Zinc alloy housing.
- 3 lbs.
- PVC cable jacket.
- Approved by FM, CSA, BASEEFA/CENELEC and SEVA as intrinsically safe.



Description	Length	Part #
WB 100 G	25' (7.6m)	08019

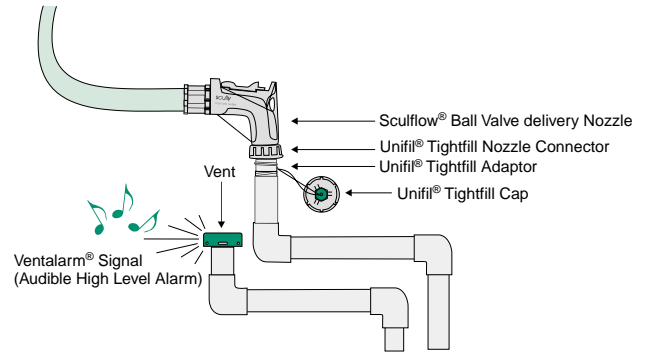
Description	Part #
WB 100 G Probe & Cable Only 25' (7.6m)	21326
9 Volt Eveready 216 Battery	26903






Scully Unifil® System









Scully Unifil Tightfill Connections

For Fast, Leak-Proof Deliveries

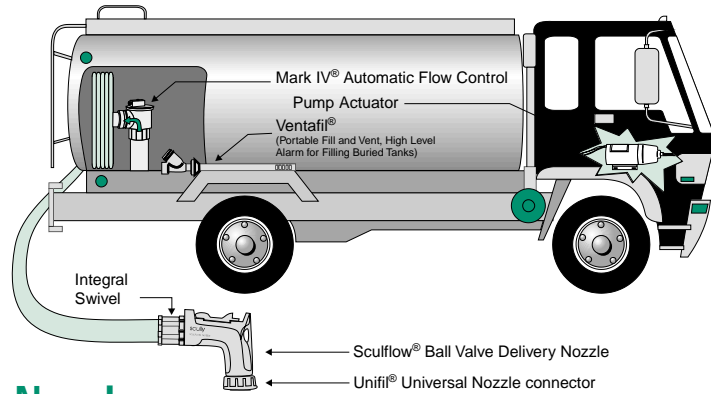
Scully's Unifil System saves you time and money. It provides you with a single hook-up for 1/4", 1/2" and 2" fill pipes and allows for high pumping rates without leaks. Installed by the driver in a matter of seconds, no special keys, tools or magnets are necessary. There is nothing extra for the driver to carry or lose. When you want the best in tightfill connections, don't count on copies, count on the original Scully Unifil System for dependable, leak-proof fills. Look for the Scully name!



Description	Model #	Size	Part #
 <p>MALE 45° ADAPTOR This is the counterpart of the female adaptor. It is used where a male thread is required.</p>	450UF-152 UF-151	1 1/2" 2"	04352 04351
 <p>ALL-WEATHER CAP This cap fits the top of all Scully straight and 45° adaptors and features a new heavy weight design. No gasket is necessary.</p>	UF-21	Fits All Scully Straight and 45° Adaptors	04316
 <p>MALE SHOULDER ADAPTOR Specially designed for installation in an existing fill box or coupling, or in any applications where a good watershed is desired around the joint. Available in 2" IPS size with standard threads (50S).</p>	UF-50S UF-50SC	2" S 2" S cored	04332 04385
 <p>NOZZLE CONNECTOR Installed on the nozzle outlet, it incorporates a hex opening which matches the hex on Scully's all weather caps. It is all you need to complete the Unifil Tightfill Connection System. Look for the Scully name to make sure you're getting a quality Scully nozzle connector.</p>	UF-37 UF-46 UF-122	1 1/4" NPT 1 1/2" NPT Special threads for Sculflow Nozzle	04323 04327 04346
 <p>O-RING PACKAGE The nozzle connector O-ring is fabricated from a high cost compound for maximum life. The O-ring can be easily replaced with a nail file, penknife or pencil on the job if necessary. We suggest a package of the O-rings be carried in the glove compartment of the cab.</p>	UF-32 UF-32V	Buna Nitrile	04322 04318

	Description	Model #	Size	Part #
	INSERT WRENCH This may be used at installations where the sunken fill box does not permit use of the flush insert connector for tightening or loosening the flush insert cap.	UF-327	-	04360
	HEX DRIVER One side of the hex driver is used to install all standard adaptors by inserting the adaptor and turning against the internal lugs. The other side is used for installation of flush insert adaptors.	UF-309	-	04355
	SPOUT This accessory spout quickly attaches to the nozzle connector. It is used for troublesome fills or where a loose connection is desired.	UF-54 NS 204 NS 276	UNIFIL 1 1/4" x 8" 1 1/2" x 6.5"	04334 06302 06303
	FLUSH BOX COVER This vertical decorative cover mounts on the house siding to hide the fill pipe. Louvres are built to provide venting and shelter from rain.	UF-339	1 1/2"	04362
	FLUSH INSERT ADAPTOR It is used with sidewalk or other flush fills and designed to insert into the existing fill box. It can be adapted to worn pipe threads by using one of three sizes: standard (S, coded blue), large (L, coded green) and extra-large (XL, coded red).	UF-10S UF-10L UF-XL	2" S-NY 2" L-NY 2" XL-NY	04303 04301 04304
	FLUSH INSERT CONNECTOR AND WRENCH Used only when making a tight connection to the Unifil flush insert adaptor. It turns quickly into the flush insert adaptor, then the nozzle connector is rapidly attached to the nozzle. The projections on the side act as a wrench to tighten or loosen the flush insert cap.	UF-306	-	04358
	FLUSH INSERT CAP This cap is designed for use with the flush insert adaptor and acts as an effective watershed. It is ideal for use in areas where flush characteristics are important. Because of its use in sunken fill boxes, this cap is supplied with a special, non-swelling gasket.	UF-22	2" NY	04317
	CAP IDENTIFICATION DISCS API color coded symbol styles for #2 fuel oil used for fill pipe identification. Company name and phone number. Installs easily in Scully all weather and flush fill caps.	Name/#	300 Pcs. 500 Pcs. 1000 Pcs.	04343 10720 10719

Scully Truck Equipment



Scully Delivery Nozzles

Dependable Performance for Countless Deliveries

Scully delivery nozzles are considered by many to be the finest in the world. They are used for delivering heating oils, lubricants, gasolines, jet fuels, chemicals and other liquids. Their durable construction allows them to provide dependable performance over countless deliveries. Scully nozzles offer optimum pumping speed and control to improve your delivery efficiency.

Sculflow® Nozzles

The Most Popular Delivery Nozzles in the World

- The leading choice for light product, high volume deliveries.
- Reduced pressure drop allows for faster pumping speeds.
- Prevent closing shock to prolong truck equipment life.
- Feature leak-proof filling and no-drip operation.
- Original ball valve design and deadbolt locking handle.



Inlet Style	Inlet Thread	Outlet Thread	Part #
FEMALE	1 ¹ / ₄ "	UNIFIL	05062
FEMALE	1 ¹ / ₄ "	1 ¹ / ₄ "	05066
FEMALE	1 ¹ / ₄ "	1 ¹ / ₂ "	05070
FEMALE	1 ¹ / ₂ "	UNIFIL	05064
FEMALE	1 ¹ / ₂ "	1 ¹ / ₄ "	05068
FEMALE	1 ¹ / ₂ "	1 ¹ / ₂ "	05072
MALE	1 ¹ / ₄ "	UNIFIL	05100
MALE	1 ¹ / ₂ "	UNIFIL	05106

All units listed have 3 P.S.I. anti-drip valves, call for 5 P.S.I. part numbers. All units listed include swivels.
NOTE: 1¹/₄" nozzles fit 1¹/₄" hoses. 1¹/₂" nozzles fit 1³/₈" hoses.

Description	Part #
Seal kit, no swivel parts	05415
Rebuild kit, seals and mechanical parts, no swivel parts	05416
Handle upgrade kit	11604
Anti-Drip valve, 3 P.S.I.	11502

Sculflow Options

- 5 P.S.I. anti-drip valve.
- Without swivel.
- Sightglass on inlet.
- Special chemicals.

Consult Scully for part numbers.

Sculflow Nozzle Materials

- Aluminum body.
- Hard chrome plated brass ball valve.
- Teflon ball seat.
- Delrin ball follower.
- Aluminum and zinc swivel body.
- Teflon swivel seal.
- Nitrile and viton seals.

Sculflow Flow Rates

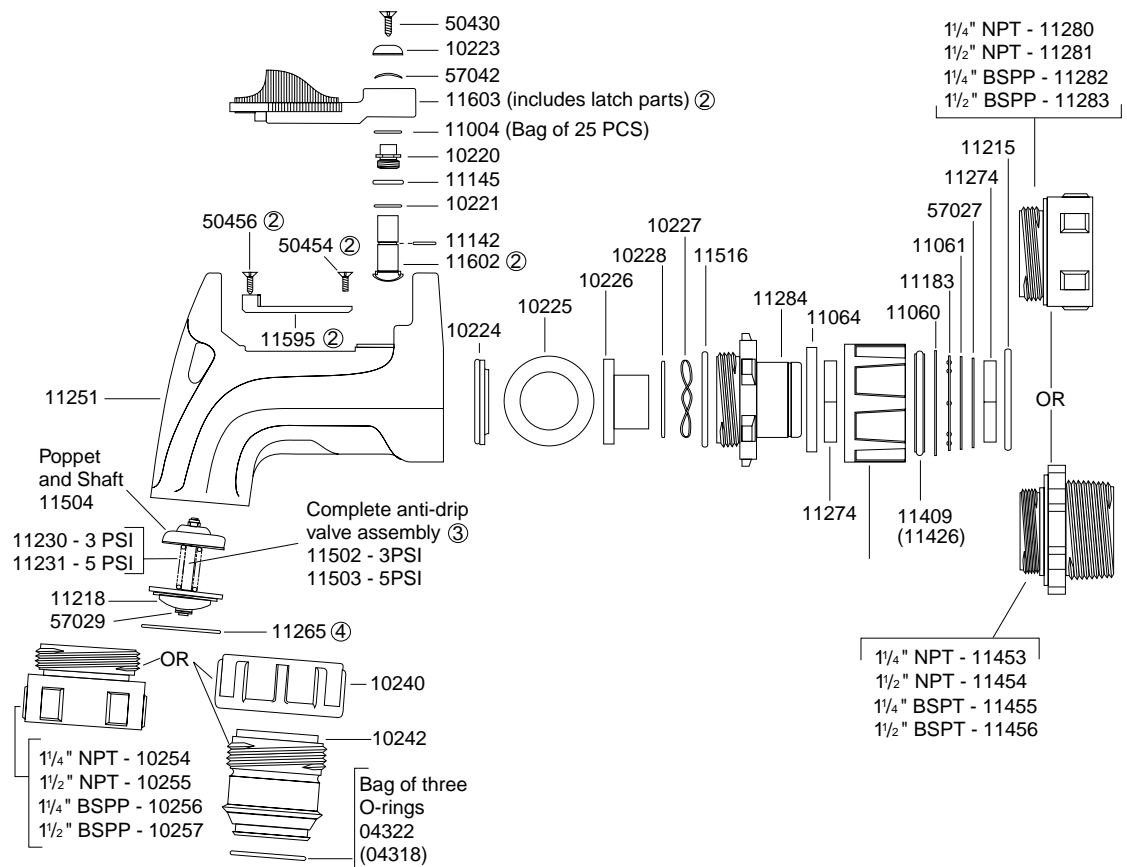
- Used for deliveries up to 100 G.P.M.

Replacement Parts

- Consult the parts list.

Sculflow® Nozzle Components

Diagram and Complete Replacement Parts List



Check Notes Before Ordering Parts:

Sculflow Notes:

1. 11516 is $\frac{1}{8}$ " cross section O-ring used in current production. Earlier units used $\frac{3}{16}$ " cross section O-rings, part number 10327 (11146).
2. Handle, shaft and latchplate shown will not fit old standard or "Com" nozzles and must be replaced as a group on early Sculflow nozzles, part number 11604. All seals are viton.
3. Old standard nozzles used one of three check valves. Flapper style 10238, 3 P.S.I. poppet style 10246 or 5 P.S.I. poppet style 10845.
4. Old standard nozzles used 10239 (11144) O-ring.

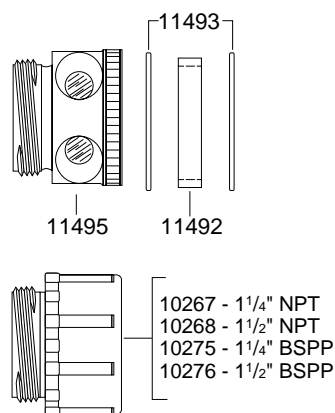
Operation:

To open nozzle pull latch button back and swing handle to either side. To close nozzle push handle back to center position making sure latch drops into slot in latchplate.

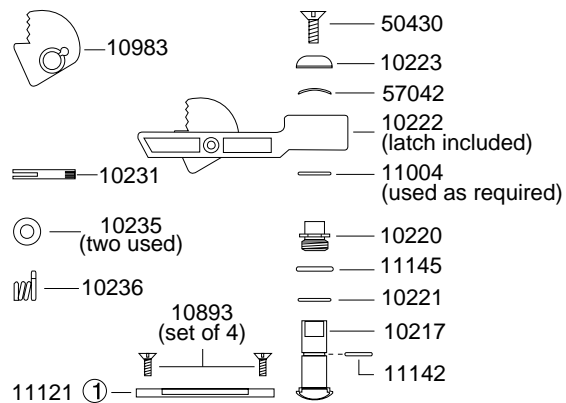
General:

- A. Use an anti-seize compound on aluminum threaded joints.
- B. Part numbers in parenthesis are Viton-A seals.
See the box for inlet parts used on non-swivel equipped nozzles and sight glass parts.
- D. With the exception of notes 2, 3, and 4, all parts shown on this sheet will fit on earlier Scully standard and "Com" nozzles.

Sight Glass Assembly



Sculflow, Standard and Com Nozzle Latch Replacement Parts



Handle and latch parts for Sculflow nozzles, Scully standard nozzles and Super nozzles built before 1981.

1. With the exception of the latchplate, all parts shown will fit Scully standard nozzles. Use 10216 latchplate on standard nozzles.
2. Current style handle may be used on early Sculflow nozzles by replacing handle, shaft, latchplate and latchplate screws as a group, 11604.
3. Separate parts for 10232 cannot be assembled without special tools.

Super Nozzles



The Ideal Commercial Delivery Nozzles

- The leading choice for heavy product, high volume deliveries.
- Reduced pressure drop allows for faster pumping speeds.
- Prevents closing shock to prolong truck equipment life.
- Feature leak-proof filling and no-drip operation.
- Original ball valve design and deadbolt locking handle.

Inlet Style	Inlet Thread	Outlet Thread	Part #
5 P.S.I. FEMALE	1½"	1½"	05921
5 P.S.I. FEMALE	1½"	2"	05922
5 P.S.I. FEMALE	2"	1½"	05923
5 P.S.I. FEMALE	2"	2"	05924

Description	Part #
Seal kit, no swivel parts	05933
Rebuild kit, seals and mechanical parts, no swivel parts	05934
Anti-Drip valve, 5 P.S.I.	11733

Super Nozzle Options

- Without swivel.
- Sightglass on inlet.
- Special chemicals.

Consult Scully for part numbers.

Super Nozzle Flow Rates

- Used for deliveries up to 200 G.P.M.

Replacement Parts

- Consult the parts list.

Super Nozzle Materials

- Aluminum body.
- Hard chrome plated brass ball valve.
- Teflon ball seat.
- Delrin ball follower.
- Anodized aluminum swivel body.
- Teflon swivel seal.
- Nitrile and viton seals.

Nozzle Tightfill Hose Swivels

Increased Hose Flexibility and Freedom of Movement

- Advanced ball bearing design allows for easy rotation at all operating pressures.
- No nipple required to attach hose with male style swivels.
- Lightweight aluminum and zinc construction.
- Teflon high recovery seal and shielded bearings for optimum field performance.
- Wide variety of liquid product use.



Male COM Swivels



Male Inlet Threads



Female Inlet Threads



Female COM Swivels

Inlet Style	Inlet Pipe Size	Male Outlet Thread	Part #
FEMALE	1 1/4"	COM-A	05815
FEMALE	1 1/4"	1 1/4"	05817
FEMALE	1 1/4"	1 1/2"	05818
FEMALE	1 1/2"	COM-A	05816
FEMALE	1 1/2"	1 1/4"	05819
FEMALE	1 1/2"	1 1/2"	05820
MALE	1 1/4"	COM-A	05865
MALE	1 1/4"	1 1/4"	05863
MALE	1 1/2"	COM-A	05868
MALE	1 1/2"	1 1/4"	05866
MALE	1 1/2"	1 1/2"	05867
FEMALE	1 1/2"	COM-B	05824
FEMALE	2"	COM-B	05826
FEMALE	2"	2" COM-B	05828
MALE	2"	COM-B	05862
MALE	2"	2" COM-B	05874

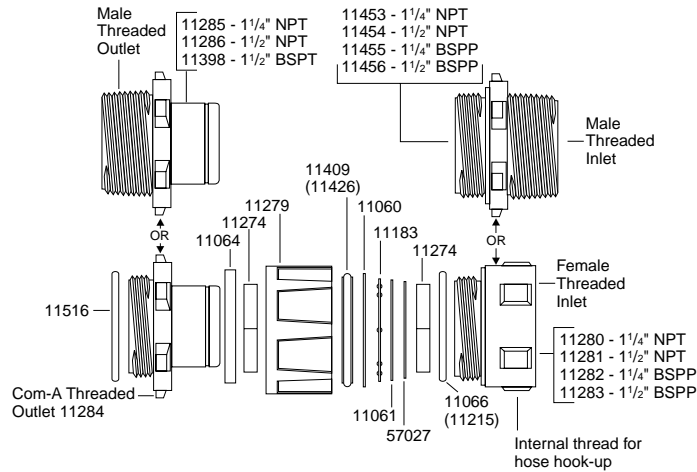
COM-A outlet thread screws directly into the Sculflow Nozzle body only.
COM-B outlet thread screws directly into the Super Nozzle body only.

Description	Part #
Seal kit, to repair two "A" series swivels for Sculflow Nozzle	05859
Seal kit, to repair two "B" series swivels for Super Nozzle	05860

Nozzle Tightfill Hose Swivels

Diagram and Complete Replacement Parts List

Sculflow Nozzle Swivel Parts List (A series)



Check notes before ordering parts.

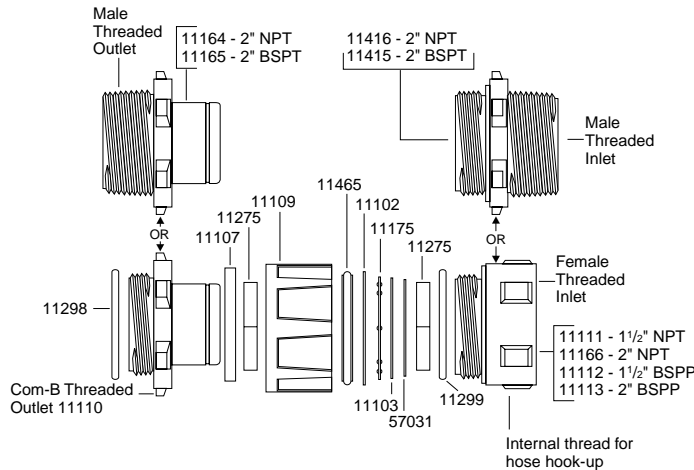
Notes:

1. When installing the retaining ring 57027 into its groove, the sharp edge must face toward the hose.
2. Dip the seal assembly 11409 in #10 oil or an equivalent lubricant before installing in swivel nut.
3. Part numbers in parenthesis are for Viton seals.

Recommendation:

Use an anti-seize compound before installing swivel on the nozzle to prevent galling and damage to parts.

Super Nozzle Swivel Parts List (B series)



Check notes before ordering parts.

Notes:

1. When installing the retaining ring 57031 into its groove, the sharp edge must face toward the hose.
2. Dip the seal assembly 11465 in #10 oil or an equivalent lubricant before installing in swivel nut.

Recommendation:

Use an anti-seize compound before installing swivel on the nozzle to prevent galling and damage to parts.



Ventafils®

Portable Whistle-Stop and Fill Device for Underground Tanks

- Three-in-one unit means the driver carries only one piece.
- Fills to within 4" of the top of the tank.
- Built-in anti-foam vents won't disturb sludge on the tank bottom while allowing for larger drops.
- Fits 1½" and 2" tank openings.
- Prevents spills and allows for product expansion.
- Available in 9", 36" or 50" lengths.

Fill Pipe Length	Inlet Connector	Fasfill Spout Size	Model #	Part #
9"	UNIFIL	-	-	04828
9"	2" SCUL-TITE	-	-	04830
36"	UNIFIL	-	VF 4814	04814
36"	"A" FASFILL	1½" OD	VF 4816	04816
36"	2" SCUL-TITE	-	-	04831
50"	UNIFIL	-	VF 4815	04815
50"	"A" FASFILL	1½" OD	VF 4819	04819
50"	"B" FASFILL	1¼" PIPE	VF 4820	04820
50"	2" SCUL-TITE	-	-	04832

NOTE: All Ventafils will accept 2" NPT male pipe threaded connections.

Spouts

For Loose Fill Tank Inlets

- Exclusive vacuum breaking grooves for easy and leak-free removal after fill operation.
- Made of non-sparking brass and aluminum material.
- Rugged 1/8" wall construction provides durable use.
- Model available for use with Unifil connector nozzles.



Thread Size	Length	OD	Material	Model #	Part #
1¼" NPT	8"	1.50"	BRASS	NS 204	06302
1½" NPT	6.5"	1.90"	BRASS	NS 276	06303
FITS UNIFIL	8"	1.50"	ALUMINUM	UF 54	04334



Fasfill® Tightfill Connections

Portable Unit for Spout Type Deliveries

- Fast and easy leak-proof attachment with a special O-ring seal for new or worn threads.
- Couples standard spouts to male or female fill pipes.
- Rugged cast iron construction fits 1¼", 1½" and 2" fill pipes.
- Portable unit that is easy to carry.

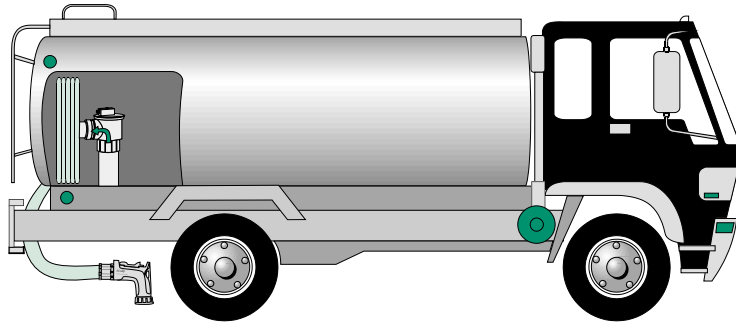
Specifications

- "A" diaphragm fits spouts which measure 1½" OD.
- "B" diaphragm fits 1¼" pipe spouts (1.66 OD).
- "C" diaphragm fits 1½" pipe spouts (1.90 OD).

Thread Size	Diaphragm	Model #	Part #
1½" NPT	"A"	FF 1557	03406
1½" NPT	"B"	FF 1560	03409
1½" NPT	"C"	FF 1563	03412
2" NPT	"A"	FF 1556	03407
2" NPT	"B"	FF 1559	03410
2" NPT	"C"	FF 1562	03413

NOTE: Each Fasfill fits both male and female threads of size listed.

Sculmatic® Vehicle Pumping System



Provides Optimum Speed and Delivery Control

The Sculmatic® system allows you to control the pumping speeds from your Sculflow or Super Nozzle. The system consists of a Mark IV® Angle Check Valve and a throttle actuator.

With the Sculmatic system, the truck engine is left idling until the driver opens the nozzle to begin delivery. The initial flow or idling pumping rate operates the Mark IV which triggers the throttle actuator. This increases the engine speed to the preset pumping rate for the balance of the delivery. When the driver closes the nozzle, the Mark IV senses a cessation of flow and releases the throttle actuator. This returns the engine to idle speed. The action is nearly instantaneous.

The Sculmatic system gives you complete control of your delivery operation while providing optimum pumping speeds. Scully also manufactures individual pumping control components for vehicles with limited pumping applications.

Mark IV® Flow Switch Angle Check Valve

Automatic Flow Control

- Pumping rate is controlled from the nozzle to permit high pumping speeds and delivery control.
- Check valve required by weights and measures.
- Flow control switch and check valve combined in one unit.
- Reduces hose pressure at idled speed and eliminates damaging surge and shock pressures.
- Available with electric or air switch.*
- Prevents hose reel movement.



Inlet	Outlet	Switch	Model #	Part #
2" FEMALE	2" GROOVED	ELECTRIC	SM 1000	06818
2" FEMALE	2" GROOVED	AIR	SM 1100	06817

*NOTE: Scully does not currently have a Mark IV version for electronic throttles.

Description	Model #	Part #
Air loss protection valve	SM 644	06870
Shuttle valve	SM 1053	06874
Air relay	SM 1054	06876
Electric conversion kit*, standard	SM 6830	06830
Air conversion kit*, standard	SM 6831	06831
Electric switch	-	11273
Air switch	MK IV	11200
Poppet assembly	MK IV	11525
Seal replacement kit	MK IV	11506
Air switch replacement kit	MK IV	11507
Electric switch for MK IV flowswitch	-	11508

* Conversion kits are complete units less the housing.

NOTE: We recommend the use of an air filter-oiler and an air loss protection valve with any air operated Sculmatic system unless the truck's air system is already equipped with a safe, filtered and lubricated air supply.

Specifications

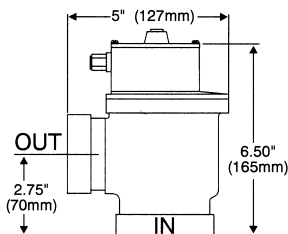
- 1/4" gauge port.
- 20 amp normally open electrical switch (not for gasoline use).
- Less than 7 P.S.I. pressure drop at 100 G.P.M.
- 3 P.S.I. cracking pressure at zero flow.
- Urethane poppet seal.

Operation

The Mark IV uses a flow switch to monitor the flow of product in the truck's discharge piping. The flow switch controls a throttle actuator which advances the engine throttle to the preset speed when flow begins.

The Mark IV contains an angle check valve. A discharge line check valve is generally required on fuel delivery trucks by weights and measures ordinances to prevent product from flowing back through the delivery meter when the hose is rewound. When the Mark IV flow control is used, no separate check valve is required.

*The Mark IV contains a built in hose pressure bleed valve. The valve permits high pumping pressure trapped in the hose at nozzle shut off to bleed back slowly through the check valve until the hose pressure drops to 40 P.S.I. and the relief valve closes to hold this pressure in the hose during rewind. The relief valve may be blocked out at installation if not permitted by local regulations.



System Recommendations

- Truck has an air brake system.
 - Use an All Air or Electric/Air Actuator system.
- Truck has no air brake system.
 - Use an Electric Actuator system for diesel or gasoline engines.
 - Use a Vacuum Actuator system for gasoline engines only for a stronger pull.
- Truck has difficult throttle linkage to move.
 - Use an All Air or Electric/Air, or Vacuum Actuator system.

All Air Actuator System Can Have These Additional Features

- Automatic hose reel brake application during pumping.
- Air emergency brake interlock.
- Operation of dual pressure positive placement pump.

* Not intended for use with single wrap reels.

Sculmatic® Electric/Air Throttle Actuators



Electric/Air Throttle Actuator

For Air System Vehicles

- Stainless steel cable and flexible rubber outer case for easy movement and non-rusting operation.
- 1" and 3" stroke models with high pulling power.
- Uses the existing truck air system, no additional air line from the flow control to the actuator required.
- Constant operation with air loss protection.
- Easy installation.

Voltage	Maximum Stroke	Model #	Part #
12 Volt	1"	SM 677	06863
12 Volt	3"	SM 682	06865

Kit includes 29" long cable, all attachment parts, fuse, air loss protection valve, wire and fittings.

Sculmatic® Air Throttle Actuators

For Air System Vehicles

- No electrical connection required.
- Stainless steel cable and flexible rubber outer case for easy movement and non-rusting operation.
- Uses the existing truck air system, no additional air line from the flow control to the actuator required.

Description	Model #	Part #
1" Maximum stroke	SM 1057	06867
3" Maximum stroke	SM 1058	06868

Kit includes 29" long cable, all attachment parts, manual on-off control valve and fittings.

Sculmatic® Electric Solenoid Throttle Actuators

For Gasoline and Diesel Engines

- Stainless steel cable and flexible rubber outer case for easy movement and non-rusting operation.
- Highly reliable unit.
- Easy installation and can be used with any Sculmatic electric flow switch.

Description	Model #	Part #
12 Volt electric solenoid, 1" max. stroke	SM 580	06807

Kit includes 29" long cable, all attachment parts, fuse, vacuum hose and fittings.

NOTE: Not intended for consecutive operation longer than 15 minutes.



Electric Solenoid Throttle Actuator

Vacuum Throttle Actuators

For Gasoline Engines

- Stainless steel cable and flexible rubber outer case for easy movement and non-rusting operation.
- Low cost, highly reliable unit.
- Easy installation and can be used with any Sculmatic electric flow control.



Description	Model #	Part #
Vacuum throttle actuator, 1" max. stroke	SM 2400	06839

Kit includes 29" long cable, all attachment parts, fuse, vacuum hose, wire and fittings.

Flow Switch Angle Check Valve

Pumping Flow Control

- Equipped with hose pressure bleed.
- Bubble tight urethane poppet seal.
- Efficient and reliable unit.
- Easily upgraded to Mark IV.



Inlet	Outlet	Model #	Part #
2" NPT	2" GROOVED	SM 1200	06819

NOTE: The angle check valve can be modified to perform additionally as a flow switch. The unit has a 1/4" tapping on the inlet side for a pressure gauge or other use. It also has a hose pressure bleed valve as explained in the Mark IV specifications.

Specifications

- 1/4" Gauge port.
- Less than 3 P.S.I. pressure drop at 100 G.P.M.
- 1.5 P.S.I. cracking pressure at zero flow.

Scul-Tite® Cam and Groove Couplings

Featuring the Original Scul-Lock® Self-Locking Coupler!

All popular sizes in stock







- Standard investment cast stainless steel and forged brass handles for long life and less maintenance.
- Special shank design for better retention in chemical hoses.
- Available in aluminum, stainless steel, brass, hastelloys, carpenter 20 and other materials by request.
- Special designs for contamination prevention and other applications by request.
- Easy to use even with gloves on.
- Locks automatically without clips or pins.
- Requires a manual release.
- Locking mechanism is an integral part of the casting, not an accessory.
- Casting protects parts from impact.
- Locking mechanism is all stainless steel construction.
- Interchangeable with other couplings made to MIL-C-27487 specifications.
- Butt and socket weld styles available for pipes or tubes.

Scul-Lock® Self-Locking Couplers



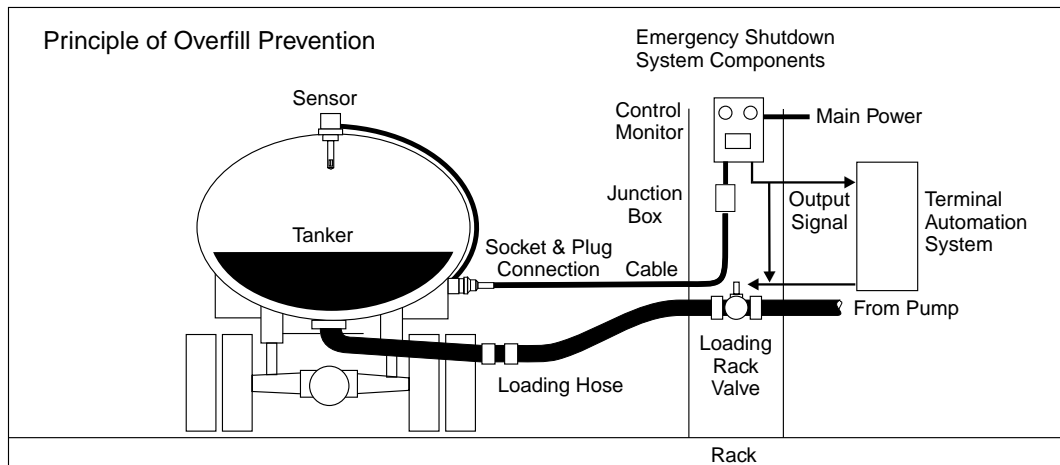
Coupler Description	Model #
3/4" Scul-Lock coupler, male thread	07-BSL
1" Scul-Lock coupler, male thread	10-BSL
1 1/2" Scul-Lock coupler, male thread	15-BSL
2" Scul-Lock coupler, male thread	20-BSL
3" Scul-Lock coupler, male thread	30-BSL
4" Scul-Lock coupler, male thread	40-BSL
3/4" Scul-Lock coupler, hose shank	07-CSL
1" Scul-Lock coupler, hose shank	10-CSL
1 1/2" Scul-Lock coupler, hose shank	15-CSL
2" Scul-Lock coupler, hose shank	20-CSL
3" Scul-Lock coupler, hose shank	30-CSL
4" Scul-Lock coupler, hose shank	40-CSL
3/4" Scul-Lock coupler, female thread	07-DSL
1" Scul-Lock coupler, female thread	10-DSL
1 1/2" Scul-Lock coupler, female thread	15-DSL
2" Scul-Lock coupler, female thread	20-DSL
3" Scul-Lock coupler, female thread	30-DSL
4" Scul-Lock coupler, female thread	40-DSL
3/4" Female coupler for butt/socket weld	07-DWSL
1" Female coupler for butt/socket weld	10-DWSL
1 1/2" Female coupler for butt/socket weld	15-DWSL
2" Female coupler for butt/socket weld	20-DWSL
3" Female coupler for butt/socket weld	30-DWSL
4" Female coupler for butt/socket weld	40-DWSL
1 1/2" Scul-Lock rebuild kit	15-SLK
2" Scul-Lock rebuild kit	20-SLK

Standard Scul-Tite® Couplings

	Coupler Description	Model #
	1" Female coupler, male thread	10-B
	1½" Female coupler, male thread	15-B
	2" Female coupler, male thread	20-B
	3" Female coupler, male thread	30-B
	4" Female coupler, male thread	40-B
	5" Female coupler, male thread	50-B
	6" Female coupler, male thread	60-B
	8" Female coupler, male thread	80-B
	1" Female coupler, hose shank	10-C
	1½" Female coupler, hose shank	15-C
	2" Female coupler, hose shank	20-C
	3" Female coupler, hose shank	30-C
	4" Female coupler, hose shank	40-C
	5" Female coupler, hose shank	50-C
	6" Female coupler, hose shank	60-C
	8" Female coupler, hose shank	80-C
	1" Female coupler, female thread	10-D
	1½" Female coupler, female thread	15-D
	2" Female coupler, female thread	20-D
	3" Female coupler, female thread	30-D
	4" Female coupler, female thread	40-D
	5" Female coupler, female thread	50-D
	6" Female coupler, female thread	60-D
	8" Female coupler, female thread	80-D
	1" Male adapter, hose shank	10-E
	1½" Male adapter, hose shank	15-E
	2" Male adapter, hose shank	20-E
	3" Male adapter, hose shank	30-E
	4" Male adapter, hose shank	40-E
	5" Male adapter, hose shank	50-E
	6" Male adapter, hose shank	60-E
	8" Male adapter, hose shank	80-E
	1" Male adapter, female thread	10-F
	1½" Male adapter, female thread	15-F
	2" Male adapter, female thread	20-F
	3" Male adapter, female thread	30-F
	4" Male adapter, female thread	40-F
	5" Male adapter, female thread	50-F
	6" Male adapter, female thread	60-F
	8" Male adapter, female thread	80-F
	1" Male adapter, female thread	10-A
	1½" Male adapter, female thread	15-A
	2" Male adapter, female thread	20-A
	3" Male adapter, female thread	30-A
	4" Male adapter, female thread	40-A
	5" Male adapter, female thread	50-A
	6" Male adapter, female thread	60-A
	8" Male adapter, female thread	80-A

Scully Electronic Systems

Liquid Level Detection Controls



Featuring Dynacheck® Automatic and Continuous Self-Checking Circuitry

Dynacheck® automatic and continuous self-checking circuitry monitors the entire system's components and its own operation! If an alarm condition is detected or an unlikely fault occurs within the system itself, you are automatically alerted.

Overfill Prevention Controls

- Cannot be cheated.
- Versatile vehicle environmental applications.
- Optic and/or thermistor sensing.
- Level detection for overfill prevention.
- Provisions for automatic shutdown.
- Unlimited loading/unloading applications.
- Intrinsically safe operation.
- Optional vehicle ground verification and identification features.



Self-Proving Vehicle Grounding

- No loading without proof of grounding.
- Loading is automatically shutdown if ground is broken.
- Works in conjunction with overfill prevention control monitors or operates as an independent system.
- Versatile vehicle environmental applications.
- Cannot be cheated.*



Vehicle Identification Prover (V.I.P.®) System

- Transmits unique vehicle identification number to the terminal automation system or PC.
- Allows terminal to prohibit loading if vehicle does not meet vapor recovery and other requirements.
- Eliminates the need for manual inspection of paperwork.
- Reduces liabilities and adds to management information.
- Works with existing Scully loading rack control monitors.



* When configured for use with Scully Ground Bolt and Ball

IntelliCheck® On-Board Tank Truck Overfill Prevention and Retained Product Monitoring System.



- Complete diagnostic indication of sensor operation, loading rack connection and auxiliary connection.
- Allows use of existing Scully five-wire or two-wire optic sensors for economical upgrades.
- Prevents an overfill and monitors the presence of retained product.
- Keeps drivers off the top of the truck.
- Helps prevent product contamination.

Vehicle Overfill Sensors



- Optic or thermistor sensing technology.
- Field adjustable lengths.
- Intrinsically safe operation.
- Variety of styles for mounting.
- Available in stainless steel.
- Available in portable styles.
- Worldwide third party approvals.

Vehicle Socket Connectors



- Connect the vehicle to the loading rack.
- Easy installation on vehicle frame.
- Provide a durable, quick connection.
- Comes with protective vinyl caps to protect contact pins.
- Withstand the rigors of road travel.

Vapor Sensing System



- Senses vapor moving through recovery line.
- Shuts down loading if proper vapor flow is not present.
- Intrinsically safe operation.

Storage Tank Single Point Monitoring System



- Single level sensing for independent tanks.
- Dynacheck continuous and automatic self-checking operation.
- High, overfill, low or reorder level alerting.
- Central and remote alarm location.
- Weatherproof housings.
- Intrinsically safe operation.

Storage Tank Level Detection Systems



- Single and multiple level sensing for multiple tanks.
- Dynacheck continuous and automatic self-checking operation.
- High, overfill, low and reorder level alerting.
- Central and remote alarm location.
- Weatherproof housings.
- Intrinsically safe operation.

Increase your profits with the Scully IntelliTank™ Electronic Automatic Fuel Reorder System



Sixty years after we revolutionized the industry with the Ventalarm® Signal, Scully introduces the latest breakthrough in our delivery cost savings solutions -IntelliTank™. This system is an electronic device, powered by a lithium battery, which fits easily onto the Scully MagneLink™ gauge vial. It ties into the phone line at the customer site and automatically calls the dealer's computer when the tank level reaches 1/2 and 1/4 fuel levels. Finally, oil dealers can eliminate the guesswork associated with deliveries, prevent run-outs and improve delivery margins by more than 30%!

Call Scully at 1-800-272-8559 for a free IntelliTank brochure or to schedule a personal demonstration.

**For ordering assistance, technical help and
sales information, please contact us toll-free
from 8:00 A.M. to 7:00 P.M. Eastern Standard Time at:
1-800-272-8559 or 617-692-8600
Fax: 617-692-8620**

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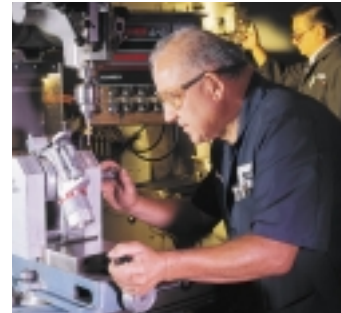


All Scully oil delivery products are designed and manufactured at our Wilmington, Massachusetts headquarters

It all started with a whistle, Scully's first product; the Ventalarm® Signal was invented by Francis P. Scully in 1935. An ingenious tank device, it whistled continuously due to air pressure being displaced while the tank was filling. When the whistle stopped the tank was full. This simple device revolutionized the way petroleum liquid deliveries were made and is still in popular use today.

One year later, Scully Signal Company was incorporated, and over the next six decades a complete line of tank gauges, tightfill connections, delivery nozzles, and flow controls was launched. Scully was the first to provide an innovative system for safe, dependable and efficient transfer of petrochemical liquids. Referred to as the "Signal" line of products, they set the standard for future achievements in profitable petrochemical delivery operations.

By choosing a Scully system, you invest in 60 years of expertise in delivery efficiency and liquid handling systems.



For more information on Scully Systems contact:

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Fax: (617) 692-8620
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