Today’s Fluid Management Systems help improve operational efficiencies and improve inventory control. OilCop™ Fluid Management delivers the latest technology available today using either wireless or wired systems to accurately track fluid inventory and usage and deliver that data in customizable reports so facilities can make informed decisions about their operations.

OilCop Fluid Management can be engineered in a variety of variations to meet every customer’s specific needs. Systems can be configured for:

- Tank Overfill Protection
- Tank Monitoring
- Mobile Cart Systems
- Basic Systems using OilCop Jr.
- Full Fluid Management Systems using OilCop

OilCop Fluid Management benefits include:

**COST SAVINGS**
- Unbilled fluid usage
- Technician errors
- Wrong fluid dispensed

**IMPROVED EFFICIENCY**
- Improved inventory control
- Technician performance is monitored
- Automated alerts and customizable reports

**ACCOUNTABILITY**
- Track issues to the source
- Know what was dispensed, where and by whom

**USER FRIENDLY**
- No software to install
- No Dedicated PC Required
- LAN access allows any computer/Smart device access with permission

For additional information or to view videos on OilCop Fluid Management go to www.oilcopsupport.com
OILCOP FLUID MANAGEMENT SYSTEM COMPONENTS

**Fluid Command Module (FCM)**

P/N 100901

Each Fluid Command Module (FCM) operates up to four Pulser/Solenoid Modules (PSM’s) which are typically connected to hose reels for fluid control and monitoring. The FCM’s communicate with the OilCop Controller (CTR) via self-healing, mesh network wirelessly or, if desired, via two wire current loop. Any portion of the OilCop system can be hardwired or used wirelessly in order to achieve maximum reliability and coverage.

Each Fluid Command Module (FCM) includes a 115 VAC power module that is used to power the FCM as well as providing 24 volts to up to four Pulser/Solenoid Modules (PSM’s). The PSM’s are quickly and easily connected to the Fluid Command Module (FCM) via a four conductor cable. This four conductor cable provides pulser/metering data to the Fluid Command Module (FCM) as well as power to the solenoids, thus simplifying connectivity immensely.

OilCop Fluid Command Modules (FCM’s) incorporate communication protocols that allow an unlimited number of FCM’s to be connected to the OilCop Controller (CTR), providing virtually endless expansion capability as well as full flexibility in system configuration and layout.

Fluid Command Modules (FCM’S) have on board capability to perform dispensing computations, maintain dispense totals, maintain calibration data, buffer transaction data and participate as a node in the unique, self-healing, OilCop mesh network.

**Communications Data Module (CDM)**

P/N 100904

This unit provides a communications interface between the Fluid Command Modules (FCM’s) and the OilCop Controller (CTR). The Communications data Module (CDM) can be operated wirelessly or may be hardwired via a two conductor cable if desired. The Communications Data Module also serves as a range extender to allow the FCM’s to communicate over large distances or in cases where there are electrically noisy environments or metal obstructions. The Communications Data Module is connected to the OilCop Controller to download information transmitted from components (e.g. FCMs, tank monitors, etc).

**Controller (CTR)**

P/N 100854C

The OilCop Controller (CTR) is able to communicate with an unlimited number of Fluid Command Modules (FCM’s) via a self-healing mesh wireless network or, if desired can be hard wired via a two wire cable. This arrangement assures reliable communication since any, or all portions of the system may operate either hard wired or via wireless. Extended distances can be easily accommodated with the addition of Communication data Modules (CDM’s).

The primary purpose of the OilCop Controller (CTR) is to act as a communication hub and control center for the OilCop system. It records and stores transaction information such as User ID, date and time of dispense, fluid type, dispense amount, work order, oil inventory, etc. all in a dynamic relational database that allows for flexible report generation. A unique feature of the OilCop system is that any smart device with Internet connectivity such as iPads, iPhones, laptops or Internet connected computers can access the OilCop System. When the OilCop Controller (CTR) is connected to an office network, the OilCop System can be accessed by any computer on the network, the system also allows integration with 3rd party management software systems. In addition, if the OilCop Controller is connected to the Internet, it can email various reports and alarm conditions as well as receive software updates.

The Controller (CTR) contains all operational firmware, eliminating the need to install application software on office computers accessing the OilCop System. A powerful start-up wizard is embedded in the Controller (CTR) which prompts the system administrator through the set up procedure and configuring automated system maintenance such as purging old data and system backup.

**Technician Access Console (TAC)**

P/N 100903

In applications where technicians do not have access to a LAN connected computer or lap top, the Technician Access Console (TAC) provides a convenient and reliable way to access the OilCop System. This Console allows technicians to enter their pin codes, work orders, odometer readings, preset dispense amounts, select which fluid to dispense and many other vital functions. Feedback from the Console is provided via a high contrast digital LCD display.

The Technician Access Console can operate wirelessly or, if desired can be hardwired via a two conductor wire connection.
OILCOP FLUID MANAGEMENT SYSTEM COMPONENTS

Remote LED Display (RED)
P/N 100905
The Remote LED Display (RED) provides excellent visibility from a distance via brightly lit 2¼” tall digits, while still providing a compact, easily installed package, with overall dimensions of 10” W x 5” H x 2½” D. The primary purpose of the Remote LED Display (RED) is to display the on-going batch total amount during a dispense operation. The Remote LED Display (RED) can operate wirelessly or can be hardwired via a simple two conductor cable if preferred.

Transaction Printer (TRP)
P/N 100906A WIRELESS PRINTER
The Transaction Printer (TRP) OilCop and OilCop Junior transaction details can be easily printed either locally or remotely using the Transaction Printer (TRP). Two versions of this printer are available, one is for use wirelessly for applications where the printer needs to be located remotely and the other is designed to be connected directly to the OilCop Technicians Console or the OilCop Junior Console.
Both printers print out transaction details upon completion of a transaction and may include:
- **Date:** Date of transaction
- **Time:** Time of transaction
- **W/O:** Work order number
- **Name:** Name of technician
- **Product:** Product designation, e.g.; 10W/30
- **Amount:** Amount dispensed
- **Top Off:** Amount of top off, if any

Example of paper tape:

```
Date: 09/28/14
Time: 11:29 AM
W/O: 132-17385
Name: JOHN SMITH
Product: 10W/30
Amount: 69.90 qt
Top Off: 0.00 qt
```

Pulser/Solenoid Module (PSM)
P/N 100715G (WITH BYPASS CAPABILITY)
The Pulser/Solenoid Module (PSM) is a unique combination of products that is designed to simplify installation and significantly improve reliability. The PSM provides one simple product in what is typically sold and installed as three separate items e.g. 24 VDC solenoid valve to start and stop fluid flow, a metering pulser that provides flow measurement information and an inlet filter screen to protect the metering pulser and solenoid valve from foreign material damage. In addition, the PSM provides a simple and convenient electrical connection interface for 24 V power and metering pulse data output via a simple 4 conductor cable. A single 1/2” NPTF inlet and outlet connection to the PSM replaces the typical six connections in competitor installations. This provides not only faster installation, but also greatly reduces possibilities of leaks by reducing the number of fluid connections from six connections to two.

Pulser accuracy is +/- 0.5% with a maximum flow of 7.9 GPM and viscosity range of 9 – 3,000 cSt. Maximum operating pressure is 1,000 PSI, inlet filter/strainer is 150 micron.

An additional unique feature of this Pulser/Solenoid Module (PSM) is the built in bypass capability that allows the PSM to be bypassed in cases of emergency. This bypass is normally in the closed position and security sealed in place, but can be quickly opened by cutting the wire seal and opening the valve to allow manual dispensing operation if necessary. The security seal provides tamper evidence indicating that the bypass has been opened.

2 Conductor Cable (per foot)
P/N 100710-XX
This 2 strand, 20 gauge, wire cable is used to connect any of the OilCop and OilCop Junior Modules if Wireless communication is not desired or practical. Sold by the foot or rolls of 2000 feet.

4 Conductor Cable (per foot)
P/N 100709-XX
Hard wire connection between the OilCop Fluid Command Module (FCM) or OilCop Junior Console (JRC) and the Pulser/Solenoid Module (PSM), 4 strand, 18 gauge, wire cable (max. distance of 75’). This cable provides 24 VDC power to the solenoids as well as metering information from the pulsers. Sold by the foot or 1000 ft. rolls.

USB Extension Cables
USB 2.0 Hi Speed Extension cable used to provide a connection between the Controller (CTR) and Communication Data Module (CDM). To achieve the best possible clear path communication between the CDM and other OilCop components such as Fluid Command Modules, Technician Access Consoles and Remote LED Display it is best to mount the CDM at a high point in the facility.

P/N 907078-16
16’ high speed USB 2.0 extension cable

P/N 907078-33
33’ high speed USB 2.0 extension cable

P/N 907078-65
65’ high speed USB 2.0 extension cable with amplifier to ensure good transmission of data
OILCOP FLUID CONTROL SYSTEM CONFIGURATION

**STATION 1**

- **P/N 100901** Fluid Command Module (FCM) Wireless or 2 Wire
- 3000’ total maximum length wire

**STATION 2**

- **P/N 100901** Fluid Command Module (FCM) Wireless or 2 Wire
- **P/N 100903** Technician Access Console (TAC) Optional Accessory Wireless or 2 Wire

Additional accessories and options:
- **P/N 100905** Remote LED Display (RED) Optional Accessory Wireless or 2 Wire
- **P/N 100905A** Wireless Printer
- **P/N 100905B** Hardwire Printer
- **P/N 100906A** Wireless Printer
- **P/N 100906B** Hardwire Printer

Wireless or 2 Wire connections.
**OILCOP FLUID CONTROL SYSTEM CONFIGURATION**

**P/N 100904**
Communications Data Module (CDM)

**P/N 100854C**
Controller (CTR)

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**TANK ROOM**

**P/N 100904X**
Range Extender (EXT)
If tanks are located in a tank room with limited wireless signal (e.g., concrete steel reinforced walls) hard wire range extender (1 per TMM).

**P/N 100908A**
Tank Monitor Module (TMM)
Up to 280 TMM

**P/N 100895**
Over fill alarm with acknowledgment switch

**P/N 540081-A, B, or C**
New oil air pump solenoid valve.

**P/N 907074**
Siren

**P/N 950421-A, B, or C**
High level shut off valve located at tank.

**P/N 540081-A, B, or C**
Remote used oil pick up pump solenoid valve.
DEF FLUID MANAGEMENT

NOTE: The OilCop Jr. system may be used to monitor a total of four fluids by simply adding additional pulser/solenoids such as Liquidynamics P/N’s 100715 or 100715G. This provides the ability to monitor three additional fluids besides DEF.

Please visit [www.liquidynamics.com](http://www.liquidynamics.com) for additional information regarding the OilCop Jr. system.

P/N 100905
Optional remote LED display provides excellent visibility of amount being dispensed via brightly lit 2½” tall digits.

P/N 100906B
Optional transaction printer provides the ability to print transaction details such as; date and time of transaction, work order number, name of technician and amount dispensed.

P/N 950372
DEF Fluid Management Kit, includes OilCop Jr. Console (P/N 100902) w/keypad and flash drive to easily download/transfer information, DEF turbine pulser (P/N 100388) with a flow range of 1.5 – 26 GPM and stainless steel, solenoid valve (P/N 540085-A).

DEF TANK MONITORING

NOTE: OilCop Tank Monitoring Systems are the basis for a fully functional and virtually endlessly expandable Fluid Management system that is capable of not only monitoring a variety of tank levels at various locations but can also provide total control of fluid dispensing operations.

Please visit [www.liquidynamics.com](http://www.liquidynamics.com) for additional information regarding the OilCop Tank Monitoring and Fluid Management Systems.

P/N 950373-6
DEF OilCop Tank Monitoring kit, includes all components required to remotely monitor DEF tank levels. The system includes a Tank Monitor Module (P/N 100908A), Controller (P/N 100854B), Communication Data Module (P/N 100904) and 6’ tank probe (P/N 100881-06-20). System can be easily expanded to monitor additional tanks with fluids such as oil, hyd. fluid, anti-freeze, etc.

P/N 950373-21
Same as 950373-6 except tank probe has a working depth range of 21’ (probe P/N 100881-20-20)

P/N 950373-BOT
Same as 950373-6 except tank probe is fitted with 1/2” NPTM threads intended for connection at bottom of Poly tanks or IBC totes, has a working range of up to 54” depth.
Multi-Tank Stretch Cart

The Multi-Tank Stretch Cart is available in various configurations and can be outfitted with up to six 20 gal. poly tanks and/or up to two 75 or 95 gal. powder coated steel tanks. This versatile cart can be configured with a variety of different pumps, hoses, hose reels, meters and/or OilCop™ Fluid Management Systems to fit most any required application. The 75/95 gal. tanks can be configured with valving to allow two way oil transfer which provides a convenient way to evacuate oil from engines, gear boxes or hydraulic reservoirs onto the onboard tank and then easily discharge the tank contents by a simple valve adjustment.

55 Gallon Drum Systems

Presenting an excellent combination of mobility, control and function - this unique system brings together mobile fluid dispensing capabilities and state of the art fluid management control. The heart of the system lies in the OilCop Fluid Management system which communicates wirelessly from the mobile cart to the OilCop Controller/Communication Data Module and is accessed via any smart device or networked computer/laptop.

This mobile system can be used as part of an installed fluid management system made up of any number of tanks/fluid hose reels and service bays. In this case the system will have already required the use of an OilCop Controller/Communication Data Module. Alternatively, the mobile system can be used entirely independently with the addition of an OilCop Controller and Communication Data Module.

This versatile mobile cart system includes everything required for a fully functioning mobile dispensing cart which is capable of handling drums up to 55 gallons.

P/N 33391-01

This particular Multi-Tank Cart model includes items listed below and is ideal for servicing equipment such as gear boxes, hydraulic systems and engines located throughout an industrial or manufacturing complex.

- Four wheel heavy duty "stretch" cart (26” W x 68” L x 60” H)
- 20 Gal. Poly Tanks w/ lockable prevent fill caps
- 75 Gal. Steel Tank w/ lockable prevent fill cap and tank level gauge
- 3:1 Ratio pneumatic pumps
- Heavy duty bung adapters
- Fluid control handles
- 1/2” x 50’ Hose Reels
- OilCop Jr. Fluid Mgt. System
- OilCop Printer and Flash Drive
- Pulser/solenoid modules w/ bypass capability and security seal
- 24 VDC battery pack w/charger

P/N 21094-S51

- Four wheel heavy duty cart
- 5:1 Pneumatic drum pump
- Air Filter/regulator
- Bung adapter
- 1/2” x 12’ Discharge hose
- 1/2” x 6’ Connection hose
- Wireless Fluid Control Module (FCM)
- Pulser/Solenoid Module (PSM)
- Rechargeable Battery Pack w/charger
State of the art technology allows the OilCop Junior to be the perfect solution for maintaining control of fluid inventory in small shops with limited number of dispense points and fluid types. The OilCop Junior system has many of the features found in larger more expensive Fluid Management systems, but is designed to address the needs and concerns of smaller shops. It is simple to install, simple to operate and simple to maintain, while providing the security and traceability shop owners require.

Features such as three security levels of Pin Code assignments (Administrator, Manager and Technician) allows positive control over who is authorized to dispense fluid, assign PIN Numbers, change Pin Numbers, Tank inventory, Tank reorder alarm along with many additional features. The system will allow only those technicians with valid PIN Numbers to dispense fluid and will tie each dispense operation to a work order. The technician can choose to dispense a preset amount or perform a manual dispense. A record of the last 2,000 transactions (date, pin #, work order, fluid type, fluid quantity) is maintained and can be easily downloaded to a flash drive for transfer to a PC.

Each OilCop Junior will handle any combination of 4 hose reels (dispense points) and 4 products, e.g.; one product and 4 dispense points or 2 products and 2 dispense points, etc. Each OilCop Junior Console (JRC) is complete with its own keyboard, digital LCD display and 115 VAC power supply that powers not only the Junior Console (JRC), but also feeds power to each Pulser/Solenoid Module (PSM) which can be located up to 1,000 ft. away.

An available optional printer (PRT) can be connected directly to the OilCop Junior (JRC), or may be remotely located wirelessly. The printer can be dedicated to an individual OilCop Junior Console (JRC) or shared with any number of Junior Consoles wirelessly.

To provide a remote indication of what is being dispensed during a dispensing operation, a brightly lit LED display (RED) is available. This display can be connected wirelessly, or if desired may be hard wired via a two wire connection.

OilCop Junior Console (JRC)
P/N 100902

OilCop Junior is designed to be a simple system that can be installed and configured by the end user, yet provides comprehensive transaction information for shop owners to efficiently track fluid movement.

The OilCop Junior Console (JRC) provides the ability to set up the Junior system with three levels of Pin Code security, set tank product names, set current tank Volumes, set tank alarm levels, pulser/metering calibration and print transaction journals. Additionally, the Junior Console stores up to 999 technician pin numbers and is used by the technicians to select which fluid to dispense, initiate dispensing operations such as preset dispense, manual dispense and top-off dispense.

The Console can be easily mounted to a wall, beam or any convenient working surface, connect the four wire cable between the Console and the Pulser/Solenoid Module (PSM), plug in the power supply and the system is ready for configuration.

The OilCop Junior Console (JRC) can be operated wirelessly or, if desired can be hardwired via a two conductor wire connection to communicate with the printer and remote display.
Communication Data Module (CDM) Provides a communication interface between the OilCop controller (CTR) and the Tank Monitor Modules (TMM). This can be done wirelessly or hardwired via a two conductor cable.

- Designed for Lube Oil, Hydraulic Fluid, Transmission Fluid, Used Oil, Antifreeze, Windshield Washer Fluid, Diesel Exhaust Fluid, Mild Chemicals and Water
- Each Tank Monitor Module (TMM) supports up to four tanks
- Monitors 55 gallon drums and up to 30’ deep tanks
- Tank probe fits through 3/4˝ opening
- Fluid level accuracy of 1/8˝
- Can control on/off function of electric or air operated pumps
- Configurable relays to shut off air supply to prevent fluid spills due to plumbing leaks or hose rupture.
- Audible and visible alert notifications
- No ping charges

P/N 100904X
Range Extender (EXT)
Allows Tank Monitor Modules (TMM) to communicate over large distances or in cases where there are electrically noisy environments or metal obstructions which may prevent optimal communication.

P/N 100854C
Controller (CTR)
The OilCop® controller is a communication hub and control center for the Tank Monitoring system. It is capable of communicating with up to 256 Tank Monitor Modules (1,024 tanks) and allows future expansion to include the OilCop Fluid Management System.

P/N 100904
Communication Data Module (CDM)
Provides a communication interface between the OilCop controller (CTR) and the Tank Monitor Modules (TMM). This can be done wirelessly or hardwired via a two conductor cable.

P/N 100908A
Tank Monitor Module (TMM)
Acts as a junction box for up to four tank probes, provides 24V power to tank probes. This module also incorporates four relays that can be assigned up to four activation points such as low level shutoff, reorder point, high level warning and high level shutoff.
OILCOP TANK MONITORING

- No monthly fees or "ping" charges for remote tank monitoring information
- All tank monitoring software is imbedded in system components, eliminating the need to install any external software
- Multi – level security access
- Remote access for multiple location monitoring and inventory control
- Secure website allows zero cost customer access to extended features and support
  - Ability to download inventory information from multiple OilCop™ tank locations
  - Portal for fluid suppliers to access customer tank inventory
  - Software update notifications
  - "Equipment Sentry" monitors status of tank monitor system
- OilCop software provides a means to configure relays to shut off air supply to pumps during unattended hours of operation (evenings, weekends, holidays, etc.)
- User defined high level, low level alarms and reorder alerts
- Delivery reports

P/N 540081-A
1/4˝ NPT air solenoid valve w/3 ports, either normally open or normally closed, for use in controlling air supply to pneumatic pumps. 24 VDC coil has red LED power indicator and accepts 8 mm push to connect tubing.

P/N 540081-B
3/8˝ NPT air solenoid valve w/3 ports, either normally open or normally closed, for use in controlling air supply to pneumatic pumps. 24 VDC coil has red LED power indicator and accepts 8 mm push to connect tubing.

P/N 540081-C
1/2˝ NPT air solenoid valve w/3 ports, either normally open or normally closed, for use in controlling air supply to pneumatic pumps. 24 VDC coil has red LED power indicator and accepts 8 mm push to connect tubing.

P/N 100881-06-20
Tank probe for tanks up to 6´ deep, includes additional 20´ cable for a total cable length of 26´. Kit includes a 3/4˝ NPTM adapter and 0.862˝ dia. probe which fits through a standard 3/4˝ opening. Pressure sensitive tank level probe has a working range of up to 6´ depth and total cable length of 26´.

P/N 100881-10-10
Tank probe for tanks up to 10´ deep, includes additional 10´ cable for a total cable length of 20´. Kit includes a 3/4˝ NPTM adapter and 0.862˝ dia. probe which fits through a standard 3/4˝ opening. Pressure sensitive tank level probe has a working range of up to 10´ depth and total cable length of 20´.

P/N 100881-20-20
Tank probe for tanks up to 20´ deep, includes additional 20´ cable for a total cable length of 40´. Kit includes a 3/4˝ NPTM adapter and 0.862˝ dia. probe which fits through a standard 3/4˝ opening. Pressure sensitive tank level probe has a working range of up to 20´ depth and total cable length of 40´.

P/N 907061
Tank probe junction box, water resistant
Weather resistant junction box provides a safe and convenient method to connect incoming cable from the tank probe/transducer to the outgoing cable (customer supplied) which connects to the Tank Monitor Module.

P/N 907062
Tank probe junction box, water resistant with lightning protection
Lightning proof and weather resistant junction box provides a safe and convenient method to connect incoming cable from the tank probe/transducer to the outgoing cable (customer supplied) which connects to the Tank Monitor Module.
TANK MONITORING FLEXIBILITY

- The OilCop™ fluid management system can be accessed using existing PC’s, laptops, tablets or smart phones via local area networks or Wi-Fi
- Easy upgrade to comprehensive fluid management system with capability to track work orders, usage by fluid type, operator, date, time along with many additional features

**Tank Level Transducers**

These tank level transducers have a 1/2" NPTM thread and are used to attach to the outside bottom of a tank instead of inserting the probe from the top of a tank. Choose a transducer that most closely fits the tank depth you are working with in order to achieve the best accuracy.

- **P/N 100881-4.5-24**
  Transducer with tank level working range of 4.5´ (54") and a 24´ cable length

- **P/N 100881B-10-06**
  Transducer with tank level working range of 10´ and a 6´ cable length

- **P/N 950416**
  Connection kit provides all fittings required to allow the 1/2" NPTM tank level transducer, P/N 100881B, to connect to the bottom of poly tanks with a 1” NPTF fitting.

- **P/N 950417**
  Connection kit includes all fittings necessary to allow P/N 100881B tank level transducer to connect to a 2” NPTM fitting such as found on the bottom of IBC tote tanks.

- **Remote access for multiple location usage, inventory control and “Keep – it – Full” supplier programs**
- **Uses wireless self-healing mesh network and/or two wire communication**
- **No monthly fee or “ping” charges for remote tank monitoring**

**55 Gallon Drum Monitoring System**

**IBC Tote Tank Monitoring System**

**P/N 950416 shown**

**P/N 100881B-20-06**

Transducer with tank level working range of 20´ and a 6´ cable length

**P/N 100881B-30-06**

Transducer with tank level working range of 30´ and a 6´ cable length
Self-contained, battery operated, High/Low level Sentry tank monitor is designed for use with single or double wall above ground tanks. Float sensor can be easily adjusted for sensor depth from 2” to 10’ and may be used to monitor interstitial space of double wall tanks. When activated to an alarm condition, the alarm sounds a 103 decibel siren for up to four days with a fresh 9 volt battery. This unit is designed for indoor use for use with fresh oil, used oil, diesel fuel, antifreeze, water and other fluids with a high flash point.

Same as 100550 above, except it includes a 110VAC/12 Volt power source.

The Sentry tank monitor is designed to be wall mounted indoors and used with the included weather resistant float sensor located remotely on the tank to be monitored. Function of the tank alarm and float sensor is otherwise identical to P/N 100550 above.

The 007 Tank Monitor will sense either high or low tank levels and will sound a 103 decibel alarm along with a flashing strobe light when activated. The 007 Tank Monitor can activate an optional solenoid valve P/N 100554L to shut off pump air supply when in an alarm condition. This unit is designed for indoor use for use with fresh oil, used oil, diesel fuel, antifreeze, water and other fluids with a high flash point.

Low voltage solenoid valve for use with P/N 100551 Tank Monitor, shuts off pump air supply when the 007 Tank Monitor is the alarm condition. May be located up to 350’ away from the 007, includes a wall mounted 115 VAC/12 V transformer. Inlet/outlet ports are 1/2” NPT, operating pressure range is 10 – 200 PSI. For use with P/N 100551 007 Tank Monitor.

Same as P/N 100554L except it includes an adjustable timer to shut off pump, may be set within a 3 – 15 minute range.

Valve installs on 2” bung opening at top of used oil tank, air supply is routed through valve before going to the pump. Valve will close off pump air supply when liquid level reaches 90% of tank capacity diverting air to provide an audible signal.
Best practices dictate that above ground lube storage tanks be provided with means for overfill protection. To fill this need, the “OilCop™ Tank Overfill Protection System” has been developed to provide all necessary components to ensure a tank overfill situation does not occur.

The “OilCop Tank Overfill Protection System” provides the basic tank level monitoring you would expect via visual and audible alarms. In addition, the “OilCop Tank Overfill Protection System” goes beyond the basics by also allowing you to easily program and receive email notifications for reorder level, low level shutoff, high level warning and high level alarm conditions. The system can also be configured to control remote solenoids and pump relays or, by using the available (normally closed), pneumatically operated shutoff valve which will isolate the subject tank to prevent any further fluid introduction. This has an added advantage by eliminating the need to install and route wires to control air solenoid valves at the remote pump location.

Overfill alarms are provided via a 110 db audible alarm along with a bright visual flashing strobe light. An acknowledgment switch allows you to silence the audible alarm while the strobe light continues flashing until the high level condition has been corrected.

**Tank Overfill Visual/Audible Alarm Module**

**P/N 100895**

Bright red strobe light flashes as warning when tank level reaches the preset “High Level Shutoff” level. Warning levels are set for each tank via the “Product and Tank Configuration” screen found in the OilCop “Administration” desktop setup. Includes an acknowledge button to silence audible alarm, strobe light continues flashing until high level condition has been corrected.

Audible alarm sounds at 110 Db when fluid tank level reaches the preset “High Level Shutoff” level in conjunction with the visual alarm P/N 100895. The audible alarm can be silenced by depressing the “Press To Silence Alarm” located on the Tank Overfill Alarm module.

**Pneumatic Valves**

These valves should be used with an air filter/regulator set between 80 – 100 PSI for proper operation. They are engineered to ensure rapid valve closure since fluid flow assists the pneumatic operation.

**P/N 950421-A**

1” NPTF Stainless Steel pneumatic valve

**P/N 950421-B**

1½” NPTF Stainless Steel pneumatic valve

**P/N 950421-C**

2” NPTF Stainless Steel pneumatic valve