



FLUID MANAGEMENT SYSTEMS



- ▶ AFCS Enterprise
- ▶ Fluid Guard 2
- ▶ RFC Wireless FCS
- ▶ Alemite FCS

Alemite fluid management systems provide flexible, cost-effective options to improve dispensing and inventory management for vehicle service applications. With a range of solutions from simple to advanced, these systems are available in models to suit various shop operations.

AFCS ENTERPRISE FLUID INVENTORY CONTROL SYSTEM

The Alemite AFCS Enterprise fluid inventory control management system and software are designed to accurately track, monitor and dispense fluids in vehicle service applications. This fluid management system utilizes a standard Internet browser to access the software and provides a significant savings by operating up to 50 sites with one server installation.

AFCS Enterprise

Alemite's versatile AFCS Enterprise can adapt to any vehicle service location. Based on an Ethernet network, the system enables fast, easy and 100 percent reliable communication, which is essential when the control system interfaces with a dealer management system. Network connections are easy; simply connect the controller with a Cat 5 or Cat 6 Ethernet cable.

For a stand-alone system, the AFCS Enterprise controller can be wired on its own network; separate from the site's existing network. This facilitates simple deployment and avoids any security concerns.

For a more advanced setup, each AFCS Enterprise controller can be connected over an existing network. The controller has a unique MAC address and IP address that allow the unit to route information over an existing network to the PC running the system. The unit comes preconfigured with a static IP address but can be used in dynamic IP mode if running a DHCP server. This method can save on wiring costs and can help a site maintain complete control of its components.



343530

Alemite AFCS Enterprise software is used with AFCS Enterprise hardware to accurately track, monitor and dispense fluids using your Enterprise dealer management system. The AFCS fluid management system utilizes a standard Internet browser to access the software and can operate up to 50 sites with one server installation, which can provide significant savings.

AFCS Enterprise Software and Support

Product #	Description
343534	Technical Service Remote Install Support – Distributor/hardware installer must be on-site to test and confirm configuration.
343535	On-site Installation Support – Two days of installation support on-site by SKF team. Distributor/hardware installer must be on-site in case any hardware installation issues occur.
343589	AssetWorks FA Interface
343590	AssetWorks M5 Interface
343586	CDK Interface with 1 year of service and install
343587	CDK software maintenance (per year)
343591	Procede Interface
343434	TMW Interface



AFCS FLUID INVENTORY CONTROL SYSTEM

AFCS Enterprise Hardware and Components

Product #	Description
343530	AFCS Enterprise Controller – Includes 6 pulse inputs, 6 level inputs, and 6 fluid outputs; Has touch screen LCD for configuration; Provides 1 Ethernet switch to connect to network; Works on 110 or 220 AC power
343531	AFCS Enterprise Ethernet Switch Kit – Kit for the AFCS Enterprise controller; Adds 4 additional Ethernet ports when daisy chaining network controllers; Not to be used to daisy chain more than 10 units together
343537	Enterprise Software for 1 site – USB storage drive that includes all the software to install on server/PC
343539	Combo Unit – Includes solenoid, pulse meter, and 150-micron filter
343408	Combo Unit Install Kit – Includes (2) 90-degree swivel elbows and (1) ½" ID x 2 ft (61 cm) hose
343533-100	Combo Unit Cable – 100 ft (30 m)
343533-250	Combo Unit Cable – 250 ft (76 m)
343533-500	Combo Unit Cable – 500 ft (152 m)
343546	LED Ready Light Assembly – Wires into the combo unit and mounts via a magnet backing
343545	Air Solenoid – ¾" NPT
343542	Air Solenoid – ½" NPT
343543	Air Solenoid – ⅜" NPT
343544	Air Solenoid – ¼" NPT
338315	Solenoid Valve for Petroleum-Based and Aqueous Fluids – ½" NPTF(f) inlet/outlet, includes manual override and screen
339005	Pulse Meter for Petroleum-Based Fluids – ½" NPTF(f) inlet/outlet
340080	Pulse Meter for Aqueous Fluids – ½" NPTF(f) inlet/outlet
343191	Solenoid Valve for Diesel Exhaust Fluid (DEF) – ½" BSPP inlet/outlet
343192	Pulse Meter for Diesel Exhaust Fluid (DEF) – ½" BSPP inlet/outlet
343067	High-Capacity Solenoid Valve – 1" NPTF(f) inlet/outlet 30 gpm (115 lpm)
343068	High-Capacity Pulse Meter – 1" NPTF(f) inlet/outlet 30 gpm (115 lpm)
343025	Solenoid Valve Connector – With 3 ft (91 cm) pigtail
343540	Tank Level Probe – For tanks 8" (20 cm) - 86" (220 cm); uses 3/4" or 2" NPT bung. 49' (15 m) cable included
339277-1	Pressure Relief Valve – 900 psi (62 bar) max pressure
339277-2	Pressure Relief Valve – 1400 psi (96 bar) max pressure
339276	Pressure Relief Valve Installation Kit – Includes 3 ft (91 cm) connecting hose and (2) tee-reducing branches
317813-2	Medium-Pressure Hose for Oil, Gear Lube & Antifreeze – Needed on some retrofits from reel to combo unit, 2 ft (61 cm)
321206	Low-Level Cutoff for Downtubes – Recommended to prohibit air from getting into line

FLUID GUARD 2

Alemite's Fluid Guard 2 fluid management system is simple to install and easy to operate. Developed for vehicle maintenance applications, this system can dispense engine oil, transmission fluid, washer fluid, antifreeze and diesel exhaust fluid.

Fluid Guard 2

The Fluid Guard 2 controls one fluid to twelve hose reels or two fluids to six hose reels each. Its touchscreen LCD recalls the last three entries and allows the operator to set three favorites for a total of six values that are displayed automatically. Also, the operator can enter specific values for each dispense.

The system requires a pulse meter per fluid at the tank and a fluid solenoid per hose reel or dispense station. One hose can be activated at a time. As a safety feature, an optional air solenoid can be added so that the pump pressure will not push fluid unless the system is activated. This minimizes fluid spills in the event of a hose rupture.



343596

Product #	Description
343596	Fluid Guard 2 Control Unit
339006	Air Solenoid Valve
338315	Solenoid Valve for Petroleum-Based and Aqueous Fluids
339005	Pulse Meter for Petroleum-Based Fluids
340080	Pulse Meter for Aqueous Fluids
343191	Solenoid Valve for Diesel Exhaust Fluid (DEF)
343192	Pulse Meter for Diesel Exhaust Fluid (DEF)
343067	High-Capacity Solenoid Valve
343068	High-Capacity Pulse Meter
339318	Station Ready Light, 24V DC power
339277-1	Pressure Relief Valve, 900 psi (62 bar) max pressure
339277-2	Pressure Relief Valve, 1,400 psi (96 bar) max pressure
339276	Pressure Relief Valve Installation Kit
339007	Junction Box

FLUID MANAGEMENT SYSTEMS

RFC PLUS WIRELESS FLUID INVENTORY CONTROL SYSTEM

Alemite’s wireless fluid inventory management systems complement the AFCS Enterprise and Fluid Guard 2 systems. The RFC Plus is for larger shops that need a totally wireless meter, PC reporting and control, and have more dispense points. The meters and keypads utilize a 2.4 GHz mesh network which limits communication problems with other equipment in the facility. All dispenses with the meter are reported and tracked.

The RFC Plus system consists of three core components: wireless meter, dispense keypad, and master keypad. The system has one master keypad, up to 36 dispense keypads, and 250 meters.

FEATURES:

- Manage up to 16 fluids and 99 simultaneous dispense locations with a single system
- Simple installation
 - Attach dispense valves to the hoses
 - Plug the keypads into a standard 120V AC outlet
 - Plug master keypad into a PC
- PC interface for enhanced capabilities and logical network setup
- Mount up to 36 dispense keypads in bays to maximize productivity
- Unlimited job stacking allows technicians to select preloaded repair orders
- Assign special work order number for dedicated oil change bays allowing monitored after-hours fluid dispensing
- Totally wireless communication directly between keypads and dispense valves
- Field replaceable AA batteries in meters
- 250 unique operation IDs and PIN numbers
- Each dispense keypad supports up to 24 meters for a total of 250 meters
- Uses direct sequence spread spectrum 2.4 GHz RF technology to prevent communication problems with other facility equipment
- Dispenses in pints, quarts, gallons or liters
- Control of portable fluid tanks
- Antenna extension kit allows keypad antenna to be mounted in location up to 30 feet (9 meters) from keypad to eliminate potential obstructions



343314

Product #	Description
343314	RFC Plus master keypad – 2.4 GHz unit used to bridge the connection between the PC and dispense keypad(s) which includes the PC software
343312	RFC Plus dispense keypad – 2.4 GHz unit used by technicians to initiate the dispense
3580-B	2.4 GHz wireless meter with flexible extension
3580-A	2.4 GHz wireless meter with rigid extension
393810-11	30 ft (9 m) Antenna extension kit



RFC WIRELESS FLUID INVENTORY CONTROL SYSTEM

The RFC system is a basic system consisting of meters and a keypad. The system has one centralized keypad that supports 30 meters and has an internal ticket printer.

FEATURES:

- Totally wireless communication between keypad and dispense valve
- Simple installation
 - Attach dispense valves to hoses
 - Plug the keypad into a standard 120V AC outlet
 - Plug master keypad into a PC
- Supervisor and operator levels of security let you decide who can use, program and monitor the system
- Manage up to eight fluids and 30 simultaneous dispense meters with a single system
- Built-in ticket printer delivers a written record for each transaction
- 49 unique operation IDs and PIN numbers
- Uses direct sequences spread spectrum 2.4 GHz RF technology to prevent communication problems with other equipment in the facility
- Dispenses in pints, quarts, gallons or liters
- Field replaceable AA batteries in meters
- Control of portable fluid tanks
- Antenna extension kit allows keypad antenna to be mounted in locations up to 30 feet (9 meters) from keypad to eliminate potential obstructions



343313

3580-A

Product #	Description
343313	RFC Plus standalone keypad with ticket printer, does not use a PC – 2.4 GHz unit used to bridge the connection between the PC and dispense keypad(s) which includes the PC software
3580-B	2.4 GHz wireless meter with flexible extension for all fluid types
3580-A	2.4 GHz wireless meter with rigid extension for all fluid types; good for antifreeze mixture
393810-11	30 ft (9 m) Antenna extension kit

FLUID MANAGEMENT SYSTEMS

ALEMITE FCS

Alemite FCS Fluid Management Systems provide simple and cost effective fluid use management and reporting. Simple user keypad interface controls solenoid valves, which allow dispensing of fluids. Meters mounted in line with each hose reel provide data to the control system.

Alemite FCS is designed for use in automotive service, lube truck, and other applications requiring accurate monitoring and reporting of fluid use.

FEATURES:

- Easy installation
- Plug and play wiring
- Single unit contains controls and power supply
- Unit never needs opening to install
- Easy meter calibration
- PLC accommodates 6 pulse meters/12 reels, with up to 6 simultaneous operations
- Inventory monitoring of up to 6 different fluids and 1 waste tank
- PIN code security and touch key options
- 2 levels of security if desired – operator and manager
- Displays low tank level warnings; warning and stop levels are customizable
- Free flow or preset metering options
- Dispenses and totalizes in pints, quarts, gallons or liters. Each dispensing point can be programmed independently
- Large display for easy visibility
- Stand alone system – no PC required
- 1,000 transaction storage capacity – searchable by date, user or oil type
- Can be used with or without printer
- Integrated printer option



343000

Product #	Description
343000	Alemite FCS unit without printer
343000-1	Alemite FCS unit with built in printer

ALEMITE FCS

Alemite FCS Accessories



339005



339006



338315



339277-1

Product #	Description
339005	Pulse Meter for Petroleum-Based Fluids – ½" NPTF(f) inlet/outlet
340080	Pulse Meter for Aqueous Fluids – ½" NPTF(f) inlet/outlet
339006	Air Solenoid Valve – ½" NPTF(f) inlet/outlet
338315	Solenoid Valve for Petroleum-Based and Aqueous Fluids – ½" NPTF(f) inlet/outlet, includes manual override and screen
338978	Solenoid Valve for Petroleum-Based and Aqueous Fluids – ½" NPTF(f) inlet/outlet
339317	Air Solenoid Valve – 3/8" NPTF(f) inlet/outlet
343025	Solenoid Valve Connector – With 3 ft (91 cm) pigtail
339277-1	Pressure Relief Valve – 900 psi (62 bar) max pressure
339277-2	Pressure Relief Valve – 1400 psi (96 bar) max pressure
339672-1	External Printer – requires printer adapter cable (343027)
343027	Printer Adapter Cable – 30 ft (9.1 m)
339318	Station Ready Light, 24V DC power
339007	Junction Box
339276	Pressure Relief Valve Installation Kit – Includes 3 ft (91 cm) connecting hose and (2) tee-reducing branches
343030-25	25 ft (7.6 m) Cable – FCS plug on one end; bare leads on other end
343030-50	50 ft (15.2 m) Cable – FCS plug on one end; bare leads on other end
343030-100	100 ft (30.5 m) Cable – FCS plug on one end; bare leads on other end
343030-250	250 ft (76.2 m) Cable – FCS plug on one end; bare leads on other end
343030-500	500 ft (152.4 m) Cable – FCS plug on one end; bare leads on other end
343067	High-Capacity Solenoid Valve – 1" NPTF(f) inlet/outlet 30 gpm (115 lpm)
343192	Pulse Meter for Diesel Exhaust Fluid (DEF) – ½" BSPP inlet/outlet
343068	High-Capacity Pulse Meter – 1" NPTF(f) inlet/outlet 30 gpm (115 lpm)
343191	Solenoid Valve for Diesel Exhaust Fluid (DEF) – ½" BSPP inlet/outlet