

This powerful console is designed for the shop that wants simple control of their fluids. The IMC offers ease of operation, great value, and several features not previously available in this category of control console. This category of console works with a pulser at the pump and solenoid control at the dispense point allowing only one dispense point per product to be operated. Samson's unique IMC is the perfect field replacement for this type of competitive console.

STANDARD FEATURES

- Controls one or two products
- Inventory management on a declining balance
 - Allows initial inventory to be entered
 - Deducts each dispense
 - Manager enters each delivery
 - Alerts when inventory level is low
- When controlling two products, allows simultaneous dispense of both products
- Controls one to ten dispense points
- Allows one air outlet to be controlled so that air is only available during service operating hours
- Maximum quantity for preset dispense: 999 quarts
- Maximum quantity for free flow dispense: 999 quarts
- Maximum number of users: 200
- Two operation levels
 - User: able to only order a dispense
 - Manager: able to set inventory levels and perform management functions
- Three languages: English, Spanish, French
- Allows selection of US measurement (quarts) or metric (liters) measurement
- Key fob reader for use with optional key fob

OPTIONAL FEATURES

- PC interface with USB or Serial Port and IMS software
 - Displays tank inventory levels
 - When inventory level is low, alerts vendor via email
- External printer
- Allows connection of a two channel level sensor for used fluids; sounds alarm when tank is full
- Optional key fob for activation instead of PIN

REPLACEMENT FOR COMPETITIVE CONSOLE

- Drop in replacement in most instances
- Works with most pulsers
- In most instances, uses same pulser wire
- Works with AC or DC solenoids
- In most instances, uses same solenoid wire

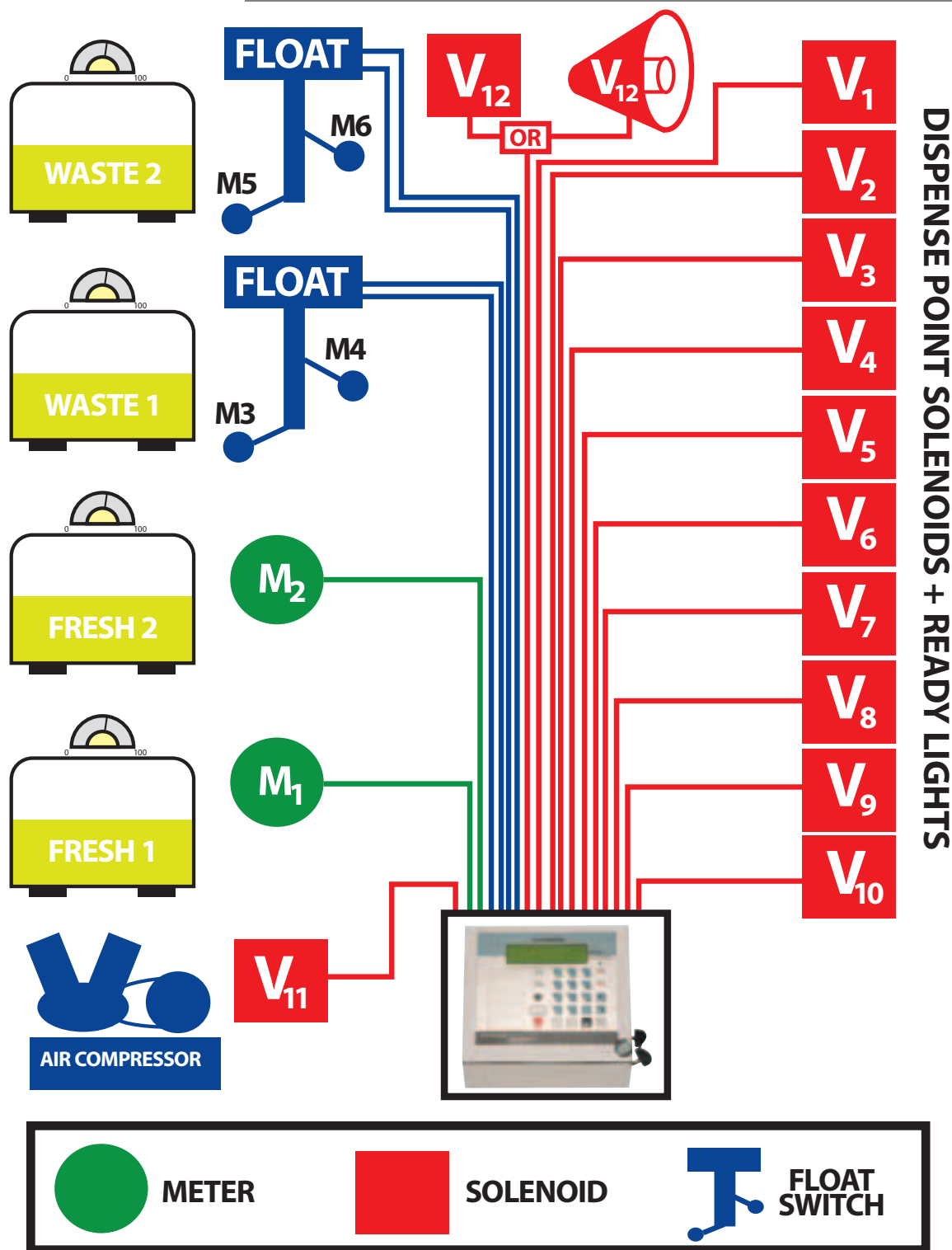


SYSTEM PACKAGES

- 381192** One product: one dispense point console for stand alone use with one pulser and one dispense point kit
- 381193** Two product: two dispense point console for stand alone use with two pulsers and two dispense point kits
- 381194** One product: one dispense point console with PC interface, software & USB cable with one pulser and one dispense point kit
- 381195** Two product: two dispense point console with PC interface, software & USB cable with two pulsers and two dispense point kits

INDIVIDUAL COMPONENTS

- 381190** Console for stand alone use
- 381191** Console with PC interface, software & USB cable
- 380201** External printer
- 381400** Single channel alarm for used fluid tank
- 381401** Two channel alarm for used fluid tank
- 381158** Flashing red light for remote alert
- 381161** Dispense point kit: includes solenoid, filter, ready light and connection swivels in one convenient box



M3, M5, M6: High level alarms that sound an alarm on the console and display alarm in window of console

M6: High level alarm that sounds an alarm on the console, displays alarm in window of console, and sends current to V12 for controlling an air solenoid on evacuation pump

V11: Programmable timer for controlling air supply to pumps

IMS KEYPAD

Fluid management in today's shops poses several challenges. As the size of the shop increases, properly dispensing and controlling fluids challenges older systems and equipment. Additionally, the increased cost of today's lubricants and the popularity of synthetics place a higher demand for the proper accounting of lubricant usage.

Samson is proud to lead the industry with our proven offering of inventory management products. From the simplest entry level console to sophisticated computerized management systems, we can help address the proper management of both new and used fluids.

A new concept:

THE ADVANCED MONITORING SYSTEM

The Advanced Monitoring System (AMS), the software at the heart of our Inventory Management System (IMS), has been installed in several thousand facilities around the world. Based on our experience in the design of systems for fluid monitoring and the management of workshop activities, we have brought true innovation to an old concept. Through this experience and innovation, we have created a system designed to improve profitability through controlled fluid distribution and work-order accountability.

The Inventory Management System's ease of integration allows you to design any size installation using a minimum number of components, even adaptable down to a single-point dispense system. The modular design of the IMS makes it easy to install even the largest of systems, including more than 100 fluid outlets. It allows the integration of complementary functions, such as remote displays, stock level detectors, volumetric measuring probes, control access points and the automatic scheduling of any "on/off" function. This modular structure enables us to focus on adapting the equipment for the specific needs of each individual installation, reducing your cost, while guaranteeing the possibility of future evolution should new needs arise.

The network technology utilized by the IMS is the CANBUS network, which was originally developed to manage all of the functions of an automobile through one single cable. This technology gives the system a unique simplicity of installation, while offering the highest accuracy and speed of communications. CANBUS networks are used throughout industry, whenever a highly reliable network is required.

The IMS system can act as a stand alone system or be interfaced with a computer in the shop. Keypad may be mounted in the shop to provide technicians with access to dispense product or the keypad may be mounted in the parts room. Keypads may be activated by a PIN, an optional key fob, or an optional bar code scanner. The President keypad contains the system software module; one President keypad is required per system. Additional keypads may be ordered as needed.

To order a networked system, choose a President keypad that includes a PC interface. If a system is ordered to use in a stand alone configuration, a PC interface may be added at any time.

An optional internal thermal ticket printer provides a printed ticket with each dispense transaction. Fields included on the ticket are date/time, job number, product supplied, volume supplied, dispense point, technician name, vehicle number (optional), vehicle odometer (optional), and the remaining inventory of product. When product reaches a low level, ticket will have warning printed on it.



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INTELLIGENT FLOW CONTROL UNIT (IFCU)

The IFCU is a dispense point controller located at each dispense point and includes the solenoid, pulser, filter, and display of product dispensed for that point. The filter is readily accessible for cleaning. The three digit large character super bright LED display shows the dispense point number when not in use and displays the quantity dispensed during use. Three LED indicator lights show the status of the dispense point.



Dispense point control from 5 GPM for car and light truck shops all the way to 30 GPM for heavy duty applications

TANK ROOM MANAGER (TRM)

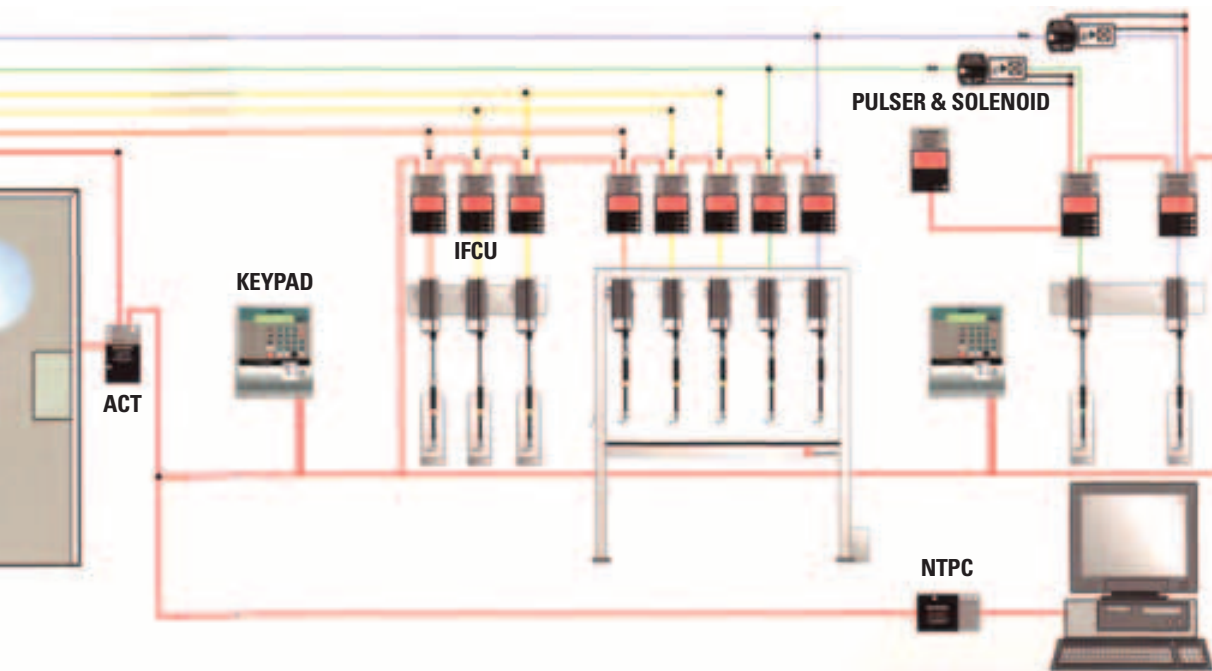
Provides real time precise inventory for each tank. Accepts and measures new deliveries. IMS will allow up to four tank room managers in network allowing inventory management of sixteen tanks. When used with PC interface, the TRM provides a real time view of exact inventory on parts room computer. Allows emailing oil vendor when inventory level reaches predetermined level.

ALARM TECH SUPERVISOR (ATS)

Provides high level (or low level) management of any tank and manages up to four inputs. Unit will sound alarm when tank reaches programmed level; will also control air to evacuation pump and can control a remote alarm such as a flashing red light. Allows emailing used fluid hauler when inventory level reaches predetermined level.

ACCESS CONTROL TERMINAL (ACT)

Provides access control to doors with electronic locks. Requires key fob to activate, allows tracking of access to locations such as the lube storage room, essential tool room, or other secure areas. May also be used as a gate controller.



KEYPADS

- 381003** President keypad with PC interface (NTPC); and internal ticket printer - Quarts/Gallons
- 381013** President keypad with PC interface (NTPC); and internal ticket printer - Liters
- 381005** President keypad with PC interface (NTPC); no internal ticket printer - Quarts/Gallons
- 381015** President keypad with PC interface (NTPC); no internal ticket printer - Liters
- 381002** President keypad for stand alone use and internal ticket printer - Quarts/Gallons
- 381012** President keypad for stand alone use and internal ticket printer - Liters
- 381004** President keypad for stand alone use; no internal ticket printer - Quarts/Gallons
- 381014** President keypad for stand alone use; no internal ticket printer - Liters
- 381000** IMS keypad without internal ticket printer
- 381001** IMS keypad with internal printer

DISPENSE POINT CONTROL

- 381501** IFCU for oil
- 381551** IFCU for water based products; 1/2" NPTF
- 381550** IFDM for custom applications; electronics only, needs pulser, solenoid, and filter
- 381502** IFDU for controlling motor fuel dispensers
- 381553** Pulser, solenoid, filter assembly for use with IFDM; 250 PSI, 3/4" NPTF, 20 GPM, 66.75 PPU
- 381554** Pulser, solenoid, filter assembly for use with IFDM; 250 PSI, 1" NPTF, 30 GPM, 66.75 PPU
- 381555** Pulser, solenoid, filter assembly for use with IFDM; 2000 PSI, 3/4" NPTF, 20 GPM, 66.75 PPU
- 381556** Pulser, solenoid, filter assembly for use with IFDM; 2000 PSI, 1" NPTF, 30 GPM, 66.75 PPU
- 381700** Remote Display Unit (RDU)

TANK ROOM MANAGEMENT

- 381153** Tank Room Manager (TRM) for use with IMS; manages up to four tanks
- 381157** Tank Room Manager (TRM) for stand alone use; manages up to four tanks
- 381405** Tank probe; one per tank
- 381315** Access Control Terminal (ACT); requires PIN or key fob to unlock door; controls entry to tank room, essential tool room, or other secure area
- 381152** Alarm Tech Supervisor (ATS) for use with IMS; manages up to four tanks
- 381156** Alarm Tech Supervisor (ATS) for stand alone use; manages up to four tanks
- 381400** One channel sensor
- 381401** Two channel sensor
- 381158** Flashing red alarm light for remote location

SYSTEMS ACCESSORIES

- 381901** Bar code scanner; connects to keypad for data entry
- 381102** Power supply; must be added to system when more than 8 dispense points per keypad
- 381905** Set of five key fobs for activating system in lieu of PIN entry
- 381906** Box of 15 rolls of thermal paper for keypad printer
- 380201** External printer; must be within 100' of a system keypad
- 381956** 1000' Belden 3084A 22/24AWG cable
- 381958** 1000' Belden 3082A 15/18AWG cable
- 381999** One day of on-site technical assistance
- 381960** Serial to USB connector kit with software
- 381961** 500' Belden 3084A 22/24AWG cable
- 381962** 500' Belden 3082A 15/18AWG cable

PULSE METERS



Model 1071 - 100 PPU Oval Gear Pulse Meter

Oval gear pulse meter for oils and glycol solutions. 1/2" NPSM (F) inlet/outlet.

Model 600 601 - 328 PPU Pulse Meter for windshield washer solution

Pulse meter manufactured in stainless steel with Viton seals for use with methanol based WW solutions. 1/2" BSP (M) with 60° cone seal inlet/outlet. Max pressure 215 psi.

Model 1059 - 10 PPL Traditional Gallon Pulse Meter

Traditional Gallon pulse meter for oils and glycol solutions. 1/2" NPTF inlet/outlet. Replacement only will not work properly with IMC or IMS systems.

Model 1061 - 10 PPQ Traditional Quart Pulse Meter

Traditional pulse meter for oils and glycol solutions. 1/2" NPTF inlet/outlet

Model 1062 - 10 PPP Traditional Pint Pulse Meter

Traditional pulse meter for oils and glycol solutions. 1/2" NPTF inlet/outlet. Replacement only will not work properly with IMC or IMS systems.

Model 1066 - 10 PPL Traditional Liter Pulse Meter

Traditional liter pulse meter for oils and glycol solutions. 1/2" NPTF inlet/outlet

SOLENOIDS



Model 1065 - 24 VAC/DC Oil Solenoid - Normally Closed (NC)

Medium pressure NC oil solenoid for use on AC or DC systems; internally rectified. Equipped with a protective screen. 1/2" NPTF inlet/outlet. Max 3000 psi.

Model 1064 - 24 VAC Air/Water Solenoid - Normally Closed (NC)

Low pressure brass bodied NC solenoid for use as an air solenoid or for water based solutions like WW fluid or Coolant. 1/2" NPTF inlet/outlet. Max 300 psi.

Model 1074- 24 VDC Air/Water Solenoid - Normally Closed (NC)

Low pressure brass bodied NC solenoid for use as an air solenoid or for water based solutions like WW fluid or Coolant 1/2" NPTF inlet/outlet. Max 300 psi.

Model 107 042 - 24 VAC Air/Water Solenoid - Normally Opened (NO)

Low pressure brass bodied NO solenoid for use as an air solenoid to control used fluid pumps. 1/2" NPTF inlet/outlet. Max 300 psi.

OTHER ACCESSORIES



Model 1069 - Y Strainer

1/2" NPTF cleanable screened filter for mounting upstream of oil solenoid. Rated to 250 psi.