



# K800™ HYBRID FUEL CONTROL SYSTEM



K800™ Hybrid



Available with FSC3000™ Site Controller Inside



FSC3000™



Electronic transaction recording & card updates

**USB**

Electronic transaction recording & card updates

Electronic transaction recording & card updates

Electronic transaction recording & card updates

Now with the flexibility of having the fuel site controller within the Fuel Island Terminal as a stand-alone system for sites that require outdoor installations, or as a separate unit indoors.

Whether operating a small fleet with a single fuel site or a large fleet with multiple sites, the PetroVend K800™ Hybrid Fuel Control System can help you improve the management of your unattended fueling operations by controlling one of your biggest assets and expenses – your fuel.

## Benefits

- Ideal for small private fleets needing a low cost fuel management solution.
- Each Island Terminal controls up to 4 mechanical dispensers
- Each FSC3000™ can control up to 8 FITs with a maximum of 32 hoses per site
- Backlit LCD provides enhanced visibility in bright sunlight and at night
- Programmable prompts to guide drivers through the fueling process
- Durable metal keypad, 16-gauge steel enclosure and thermostatically-controlled heater for reliable operation in the harshest environments
- Downloadable software for easy system upgrades
- USB memory key for transaction backup/transfer and updating card files
- Optional dial-up or cell modem allows communication to remote locations
- Each K800™ Hybrid can also be outfitted with 802.11 WiFi or Bluetooth® communication devices to facilitate updates and retrieval of transaction data



### SAVINGS

Ideal for small private fleets needing a low cost fuel management system.



### EASY-TO-USE

Customizable prompts for driver clarity. ARTWare™ PC software makes configuration a snap.



### INSTALLATION

Integrated FSC3000™ for installations where no building is available. USB key for transaction backup and card file updates.



### COMMUNICATION

Optional 900 MHz wireless communication between island and building. Cell modem, Bluetooth® and 802.11 WiFi communication also available.



# K800™ Hybrid Fuel Control System

## K800™ Hybrid Fuel Control System Features

- Windows-based ARTWare™ PC software makes programming simple and provides system backup
- System management easily performed on-site or remotely via dial up, cell phone modem, LAN/WAN, or Bluetooth™
- Compatible with optional FleetLink™ RFID system, allowing vehicle I.D., mileage and other information to be automatically captured through the fuel nozzle at the vehicle's fuel fill tube
- Pump and product totals automatically or on demand
- System can be set to track the mechanical pump totalizers
- Daily and monthly allocation amounts
- Sixteen quantity restriction levels
- Sixteen product restriction combinations
- Odometer or hourmeter recording
- User can be prompted to enter miscellaneous data of up to ten digits (job, vehicle, driver ID, etc.)
- Single or dual card/key/cardless entry operation (driver/vehicle number)
- Cards can be assigned to accounts or departments
- Card/key/account lockout
- Programmable K800™ Fuel Island Terminal displays messages and user prompts
- A price may be assigned to each product to be recorded for each transaction
- Standard system utilizes magnetic cards
- ChipKey® mileage and reasonability assures accurate mileage entry
- Optional proximity card reader
- Programmable system open/close times
- Password protection for ultimate security
- Self-test and diagnostic utilities for start-up and troubleshooting
- Office journal printer for transaction logging
- USB key for transaction information backup and card updates
- Optional Bluetooth™ or cell modem communication for remote sites
- Optional 900 MHz wireless communication between island and building
- The K800™ Hybrid System interfaces with many commercial fueling networks

## Memory

- Standard memory 2,000 proprietary cards, and 500 transactions
- Expandable to 64,000 proprietary cards, and 2,000 transactions

## Pump Control Methods

- Pump Control Modules for Commercial Dispensers with mechanical registers
  - Mounted in Fuel Island Terminal for low-cost, convenient wiring
  - Mounted in remote cabinet
  - Pump Handle Monitor
  - Manual bypass for each dispenser
  - Four adjustable fueling timers
    - Maximum fueling time
    - Maximum time to activate pump handle
    - Maximum time until first pulse
    - Maximum time between pulses

- Counts in gallons or litres from thousandths to full units
- Pump sentry provides protection from faulty pulsers
- Direct Pump Control communicates via serial link to the dispensers (Optional)
  - Supports Wayne, Gilbarco and Tokheim protocols
  - Extremely simple installation
- Universal Pump Controller for operation with a pump controller (Optional)
  - Interfaces with Wayne, Gilbarco and Tokheim
  - Allows pumps to be controlled via the Fuel Island Terminal or retail pump console

## Phoenix™ Software

- Phoenix™ Plus – poll transactions, perform card updates, run reports
- Phoenix™ Premier – all of the Phoenix™ Plus features, plus tank gauge interface for reconciliation

## K800™ Hybrid Fuel Island Terminal Specifications

Readers (any one of the following):

- Magnetic-Stripe Card
- ChipKey®
- HID Proximity Card/Key (Optional)

Display: 2 line x 16 character Backlit LCD

Enclosure Dimensions: 12" H x 13" W x 10" D  
(30.5 cm H x 33 cm W x 25.5 cm D)

Power Requirements: 120/230 VAC 50-60 Hz 100 watts Max.

Operating Temperature: -40° F to 122° F (-40° C to 50° C)

## Pump Control Terminal Specifications

Relay Rating: 1 HP, 120/240 VAC

Pulser Compatibility: Contact/12 VDC Electronic

Pulser Power Supply: 12 VDC; 40 milliamps max./pulser

Pulser Speed: 6,000 pulses/minute (mechanical)

100,000 pulses per minute (electronic)

Pulser Rate: 1:1 to 9,999:1 (in one-pulse increments)

Pulser Type: Single channel

Pulser Duty Cycle: 50%

Operating Temperature Range: -40° F to 122° F (-40° C to 50° C)

## FSC3000™ Fuel Site Controller Specifications

Dimensions: 2" H x 10" W x 11" D (5 cm H x 25 cm W x 28 cm D)

Power Requirements: 85-240 VAC, 50/60 Hz; 25 watts max.

Operating Temperature Range (indoors): 32° F to 122° F  
(0° C to 50° C)

Serial Communication Ports: Petro-Net™ (RS-485), Printer (RS-232),

Terminal (RS-232), Modem (RS-232), Pass-through (RS-232),

2 Auxiliary Ports (RS-232), Tank Gauge, Ethernet, USB

Maximum Petro-Net™ Distance: 5,000 feet (1524 m)



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