K800™ Hybrid Fuel Control System

Adaptable and Affordable Fuel Control

From small fleets with a single fuel site to large fleets with multiple sites, the Petro Vend K800™ Hybrid Fuel Control System delivers versatile fuel management.

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The Petro Vend K800™ Hybrid Fuel Control System provides fuel site managers the versatility and reliability they need to control one of their biggest expenses – their fuel. Designed to be adaptable, the system's fuel site controller can be installed as a separate unit indoors or integrated within the Fuel Island Terminal for fuel sites that require stand-alone outdoor installations.

Applications

- Each Fuel Island Terminal controls up to 4 mechanical dispensers
- Each FSC3000™ can control up to eight (8) FITs with a maximum of 32 hoses per site
- 16 quantity restriction levels and 16 product restriction combinations are available
- Pump and product totals are available automatically or on demand

ECONOMICAL

Ideal for small private fleets needing a low-cost fuel management solution

USER-FRIENDLY

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

EASY TO INSTALL

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

COMMUNICATION

Optional dial-up modem, cellular modem or Ethernet bridge for remote transaction polling and card updates. Optional 900 MHz wireless communication between island and building is also available

Contact your OPW representative to learn more about the affordable K800™ Hybrid Fuel Control System today!
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K800™ Hybrid Fuel Control System

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 modem or LAN/WAN
- Able to process commercial fueling cards such as WEX, Voyager, and others
- Pump and product totals automatically or on demand
- Daily and monthly allocation amounts
- Sixteen quantity restriction levels; sixteen product restriction combinations
- Odometer or hour meter recording
- User can be prompted to enter miscellaneous data of up to ten (10) digits (job, vehicle, 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
- Standard system utilizes magnetic cards; optional proximity card reader available
- Optional ChipKey® mileage reasonability
- Self-test and diagnostic utilities for start-up and troubleshooting
- Optional office journal printer
- USB key for transaction information backup and card updates
- Optional dial-up modem, cellular modem or Ethernet bridge for remote transaction polling and card updates
- Optional 900 MHz wireless communication between island and building

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 liters from thousandths to full units
  – Pump sentry provides protection from faulty pulsers
- Optional Direct Pump Control communication via current loop for Gilbarco and Wayne or via RS485 communication for Gasboy® dispensers
  – Extremely simple installation
- Universal Pump Controller for operation with a pump controller (optional)

K800™ Hybrid Fuel Island Terminal Specifications

Readers (any one of the following):

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

Display: 2 line x 16 character backlit LCD

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

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

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

Pump Control Terminal Specifications

Relay Rating: 1 HP, 120/240 VAC

Pulser Compatibility: Contact/12 VDC Electronic

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

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

100,000 pulses per minute (electronic)

Pulser Rate: 1:1 to 1,000:1 (in one-pulse increments)

Pulser Type: Single channel

Pulser Duty Cycle: 50%

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

FSC3000™ Fuel Site Controller Specifications

Dimensions [H x W x D]: 2.25 x 10 x 8.25 inches D (5.7 x 25.4 x 21 cm)

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

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

Serial Communication Ports: Petro-Net™ (RS-485), Printer (RS-232), Terminal (RS-232), Modem (RS-232), Pass-through (RS-232), two (2) Auxiliary Ports (RS-232), Tank Gauge, Ethernet, USB

Maximum Petro-Net™ Distance: 5,000 feet (1,524 m)

Phoenix™ Software

- Phoenix Plus™ – polls transactions, performs card updates, runs reports
- Phoenix Premier™ – all of the Phoenix™ Plus features, plus tank gauge interface for reconciliation
- Phoenix SQL® – a Web-based multiuser browser interface with controlled user access. Polls transactions and tank gauges simultaneously, dramatically reducing data collection times for multiple fuel sites

Listings and Certifications