# Petro Vend 100® Fuel Control System

OPW Fuel Management Systems' Petro Vend 100® (PV100®) Fuel Control System is a stand-alone, pedestal-mounted system that controls up to 4 hoses for small or mid-sized unattended fleet-fueling sites.

As a "turnkey system," the unit is designed for quick and easy installation. It ships ready-to-use with 100 pre-configured users for immediate fueling access. Requiring only power, pulser and hose-control line connections in order to initiate system operation, the PV100 saves the time and cost of trenching and pulling wires for serial communications.

Now featuring expanded hose and card capabilities, the OPW Petro Vend 100® is designed to grow with your application. Scale up from 100 to 250 or 1,000 users and from 2 to 4 fueling points. The PV100 now also offers driver and vehicle verification and an optional ChipKey® reader, which supports the K800 (8-digit) format.

User-selectable PINs allow only authorized users to access fuel. The PV100 tracks and reports fueling by card or pump totals to provide complete accountability of fueling. The PV100 stores dispensed fuel amounts as card- and pump-specific totals, which can be viewed on the display or retrieved with an external USB flash drive.

Because menu-driven configuration takes place at the terminal, the PV100 also eliminates the need for PC-required software, making the Petro Vend 100 one of the most cost-effective fuel control systems available on the market today.

## Petro Vend 100® Fuel Control System Features



**NEW! FEATURES**

*Serving these industries and many others...*

### Scalable
Upgradeable feature set delivers cost-effective fuel management capabilities needed by small and mid-size fleets while accommodating expanding needs

### Easy to Install
Turnkey system only requires power and hose control connections, eliminating the need to trench and pull wires for communications

### User-friendly
Simple menus make the OPW Petro Vend 100® an especially easy fuel control system to learn and operate

### Cost-effective
Menu-driven configuration takes place at the terminal, eliminating the need for PC-required software.

### Features

- ◆ **NEW!** Controls up to four (4) hoses for mechanical pumps
- ◆ **NEW!** 3 powder-coated aluminum pedestal sizes are available, including sizes that meet Americans with Disabilities Act requirements
- ◆ **NEW!** Scale up from 100 to 250 or 1,000 users
- ◆ **NEW!** Optional ChipKey® reader supports K800 format (8-digit)
- ◆ **NEW!** Dual card capabilities allow driver and vehicle verification
- ◆ An optional feature provides individual transaction storage on a USB flash drive
- ◆ User-selectable predefined prompt up to ten (10) digits in length – choose one from ten available messages, such as Driver ID, Vehicle ID, Odometer, PO #, etc.
- ◆ User-selectable PINs, from three (3) to six (6) digits in length, allow only authorized users to access fuel

## Listings and Certifications

Electronic Testing Labs (ETL), per Underwriter Laboratories UL 1238

Electronic Testing Labs Canada (ETLC), per CSA C22.2

c **ETL** us
LISTED
Intertek

- Adjust programming parameters, view card and pump totals, and transfer all data to a USB flash drive via Manager Card access in on-screen manager modes
- Hose-based quantity restrictions
- Track and report fueling by card or pump totals (single, driver and vehicle). See screen visuals below.
- Optional HID proximity key-fob reader
- Optional dual-head magnetic card reader
- Field upgradeable software

## Benefits

- Upgradeable feature set makes the PV100 a cost-effective solution for small and large fleet-fueling operations
- Stand-alone system significantly reduces installation costs
- Turnkey operation requires minimal configuration, enabling quick startup
- Dispensed fuel totals are recorded even during pump override control mode

- Menu-driven configuration takes place at the terminal, eliminating the need for PC-required software
- Pedestal features durable aluminum construction to prevent rusting
- Thermostatically controlled heater provides reliable operation in the harshest environments

## Memory

- Standard memory allows tracking of up to 100 proprietary cards
- **NEW!** Expandable to 250 or 1,000 proprietary cards
- Stores virtually unlimited number of transactions on USB flash drive (optional)

## Technical Specifications

- Cabinet Dimensions: 10.75 inch H x 14.25 inch W x 9.75 inch D (27.3 cm x 36.2 cm x 24.8 cm)
- Pedestal Dimensions: 40 inch H x 14 inch W x 9 inch D (122 cm x 36 cm x 23 cm) is standard; 32-inch and 48-inch heights are optional

- Power Requirements: 115 VAC, 50/60 Hz, 200 watts maximum
- Operating Temperature Range: -40° F to 122° F (-40° C to 50° C)
- Graphics display: 6 inch (15.2 cm) monochrome
- Painted steel enclosure

## Mechanical Pump Control Specifications (PCM)

- Relay Contact Rating: 240 VAC; 20 A, 3.0 HP maximum
- "In-Use" Detection: Voltage Sense 120-240 VAC or Handle Switch
- Pulser Type: Single Channel
- Pulser Input: Mechanical (contact); Electronic (5-12 VDC)
- Pulser Divide Rate: 1:1 – 1000:1; 1 pulse increments
- Maximum Pulse Speed: (50% duty cycle) 6,000 Mechanical; 100,000 Electronic

## Card totals

```
Manager Setup Mode          OPW→
Version : 3.01.02d

        Pump 1 & 3   Pump 2 & 4  -50 →

0001      0.000        0.000
          0.000        0.000      -5  →
0002      0.000        0.000
          0.000        0.000
0003      0.000        0.000
          0.000        0.000      +5  →
0004      0.000        0.000
          0.000        0.000
0005      0.000        0.000     +50  →
          0.000        0.000
```

## Pump totals

```
Manager Setup Mode          OPW→
Version : 3.01.02d

   Pump      Total       Totalizer

    1        0.000         0.000

    2        0.000         0.000

    3        0.000         0.000

    4        0.000         0.000

Press Clear to exit
```