



OIL VENDING MACHINE SPECIFICATION

1. Operation:

To vend pints, quarts and/or gallons of oils, additives, antifreeze or like products by interfacing with automated controls allowing self service or unattended service. Oil vending machine shall be compatible with all commercial fleet control systems (card reader systems) that interface with standard commercial fleet fuel dispensers utilizing a standard 'pulse' output such as Veeder Root, Western Electronics or Integrated Control Systems. Typical card systems include PetroVend, Gasboy, Tech21, FuelMaster and Computrol. Oil vending machine shall have a serial interface option for PetroVend 'PetroNet' and Gasboy 'CFN' RS-485/422 communications. Vending machine shall also be capable of simulating a mechanical gasoline dispenser and interfacing with devices that interface with mechanical gasoline dispensers.

2. Safety:

Product will be listed by a nationally-recognized third party organization such as ETL, UL or FM. Lights and switches mounted on machine exterior for operator interface shall be 12 vdc for safety reasons.

3. Construction:

Oil vending machine will be constructed of a heavy steel tubular frame with a heavy gauge galvanized steel cabinet and door. Door shall have a weathertight gasket seal and cabinet shall be suitable for outdoors installations. Cabinet shall be painted with a high quality automotive grade paint. Indicator lights on cabinet shall be low voltage (12 vdc) so as to have longer life.

4. Features:

Unit shall include as a minimum:

- product select buttons
- out of product indicating lights
- unit authorized to dispense light
- two heavy duty door locks for high security
- leveling bolts in the corners for reliable operation
- provisions for security lag bolts in each corner to concrete pad.

5. Options:

Options to be included are as indicated below:

- **MultiVend** - authorizes the oil vending machine to dispenser more than one unit per card insertion by pressing the product select button again, up to the pre-programmed limit.
- **MultiPulse** - used by select card systems to help discern correct quantities dispensed. Most often this is the Gasboy 1000 series and the Maximus, Inc. systems, both of which require 10:1 pulse accounting.
- **Token or coin acceptor**
- **Key operation with special key available only to authorized persons**
- **Internal totalizers - non-resetable accumulative totalizers — used for audit trail and troubleshooting, one per machine or one per column.**
- **Hose position expansion —used for sales accounting— normally one per product category (quart, gallon, etc.) or one per price variation (normal oil vs synthetic oil, etc.). Requires a corresponding number of hose positions to be available on the fuel control device.**
- **Control box heater for electronics cabinet to control humidity and for areas where temperatures are sustained below 20 degrees F.**
- **Cabinet heater with thermostat and cabinet insulation for areas with sustained temperatures below 10 degrees F to maintain liquidity of oils for pouring and prevent plastic bottles from becoming brittle. Cabinet heater should also include door flap option to reduce wind and snow into delivery chute.**

6. Warranty:

Unit shall include a full one year parts warranty for defects in materials and/or workmanship of the manufacture.

7. Performance:

Manufacturer shall have a minimum of 5 years experience in manufacturing vending machines for unattended fueling site use dispensing automotive products.