



FUEL DELIVERY

PRINCIPLE OF OPERATION

Current and projected government emissions requirements demand increasingly precise conditioning and delivery of specific fuels to vehicles, engines, and fuel system components. The APS Fuel Cart provides precise control of the delivery temperature, flow, and volume. This system is capable of conditioning virtually any fuel type, including gasoline, diesel, ethanol, biofuel blends, and other alternative fuels.

KEY FEATURES OF THE APS FUEL CART //

- Over-temperature alarms
- Level alarms
- Over-pressure protection
- Cooling rate selection
- Temperature accuracy +/- 1 °F
- Flow accuracy +/- 1% set point
- Flow rate selection
- Heating rate selection
- Data acquisition and control as required
- Full safety provisions
- Class 1, Div 1 ratings
- Total volume accuracy +/- 1% target

The APS Fuel Cart offers a 60-gallon capacity tank with a temperature range from 40 °F to 120 °F. It is capable of up to 15 gpm of flow through the standard 1" unleaded dispensing nozzle. The standard system is portable and offers a 12' hose for ease of use (increased ranges optional).

AVAILABLE OPTIONS //

The APS Fuel Cart features increased heating and cooling capacity. Standard 10,000 Btu/hr chillers are upgradeable to 30,000 Btu/hr, and standard 3 kW heaters are upgradeable to 9 kW. In addition, a connection can be provided on the suction side of the dispensing pump for filling the tank and emptying containers after testing.

OTHER OPTIONS //

- RVP analysis
- On-board gas detection
- High flow delivery
- Vapor recovery and handling
- Scavenge tank and pump
- Agency approvals optional, upon request
- Fuel blending
- Link to building alarm system
- On-board fire suppression
- Closed-loop temperature control
- Vapor recovery
- Multiple nozzles

