

Automatic FuelPort



Compact Automatic FuelPort



Level Transmitter

Description

The Simplex Automatic FuelPort is a factory packaged system for control of filling operations of aboveground tanks that are filled from pumper trucks. The Automatic FuelPort provides a ready means of ground level connection of the fill hose, and captures spills that may occur at the fill point during filling operations. The Automatic FuelPort alerts the operator at Tank Full with filling operations locked out at High Level. A leak detection circuit prevents filling of leaking tanks. Visual and audible level and leak alarms and continuous level indication are provided.

The Simplex Automatic Fuel-Port is available for use with fuel oil (Class-II liquids) or gasoline (Class-I liquids).

Single or multiple tank controllers are available. Multiple tank controllers allow operator selection of the tank to be filled with automatic lockout of all other tanks.



How It Works:

1. Delivery truck arrives and driver proceeds to Automatic FuelPort to make fuel delivery.
2. Connect ground cable
3. Unlock fill box and control box
4. Turn on controller
5. Read fuel level in tank on level indicator gauge
6. Connect delivery hose to hose coupling
7. Open valve on truck
8. Start delivery pump on truck
9. Press Valve Open pushbutton on controller
10. Automatic FuelPort valve opens
11. Fuel is delivered to tank
12. At Tank Full level, audible and visual alarm activates and alerts driver
13. Driver may stop delivery by pressing the Valve Close pushbutton and proceed to step #16
14. Driver tops off to Tank Full

15. At High Level, audible and visual alarm activates and Automatic FuelPort valve closes (valve may not be reopened)
16. Stop fill pump
17. Drain delivery hose
18. Close truck valve
19. Disconnect delivery hose from Automatic FuelPort
20. Turn controller off
21. Close and lock Automatic FuelPort doors
22. Proceed to next delivery, where, hopefully, the owner has had the foresight to install a Simplex Automatic FuelPort

Includes:

- Freestanding, pad or tank mountable, weatherproof and lockable enclosure
- Quick disconnect hose coupling with dust plug
- Check valve
- Electrically operated shutoff valve
- Automatic controller, described below
- Hand pump for spill containment, with shutoff and check valve
- Ground stud

Controller

Includes:

- Level transmitter for installation in 2" tank fitting minimum
- Digital level indicator scaled in percent level (diesel version only)
- Tank Full visual alarm
- High Level visual alarm
- Tank leak alarm
- Audible alarm horn activated by alarms above
- Power available indicator
- Control power On-Off switch
- Valve Open/Close push-buttons
- Type 3R enclosure (fuel oil version)
- Explosion proof enclosure (gasoline version)

Specifications:

Fitting size: 2", 3" or 4"

Spill containment:

Automatic FuelPort - 20 gallons

Compact Automatic FuelPort - 7 gallons

Hand pump capacity: 1 gpm

Paint: white

Net Weight: 343 lbs. (Oil), 363 lbs.

(Gas)

Control power: 115-1-60v

Level transmitter fitting: 2" min.

