

SPECIFICATION

The SafeSite™ FOC SmartFill System (Model FOC-SFILL)

1. GENERAL DESCRIPTION AND STANDARDS

- 1.1. The **SafeSite FOC SMARTFILL SYSTEM (Model FOC-SFILL)** shall be provided in its entirety by Core Engineered Solutions, Inc. 518.635.4343 (NY) 800.628.5502 (VA).
- 1.2 Refer to Project Drawings for Model No. (2 in or 3 in). System shall be designed for the transfer of fuels from gravity trucks to above ground storage tanks and control of filling operations to prevent overflow. The system shall allow for the draining of the truck delivery hose. The FOC-SFILL shall provide a ground level connection of the fuel hose, and captures spills that may occur at the fill point during filling operations. The system shall include a high volume fuel transfer pump and intelligent pump controls.

2. DESIGN AND CONSTRUCTION - CONTROLS

The FOC-SFILL Controls shall meet the following requirements:

- 2.1. Level transmitter for installation in 2" tank fitting
- 2.2. High Level and Tank Leak visual and audible alarms
- 2.3. Power Available indicator
- 2.4. Emergency Stop Switch
- 2.5. Control Power On-Off Switch (keyed)
- 2.6. Pump Start/Stop pushbuttons
- 2.7. Top-off/hose drain mode pushbutton
- 2.8. Pump starter and Overload
- 2.9. NEMA 4X control enclosure

3. DESIGN AND CONSTRUCTION – FILL SYSTEM

The FOC-SFILL Fill System shall include the following components:

- 3.1. Lockable fill box with minimum 7 gallon containment capacity
- 3.2. Quick disconnect hose coupling with dust plug and inlet shutoff valve
- 3.3. Check valve and Ball valve
- 3.4. Sump drain valve
- 3.5. High capacity transfer pump as indicated in the drawings (with 5 HP, 208/230, 3 phase motor rated at 200 GPM with 3" fittings)
- 3.6. Ground stud
- 3.7. Couplers and adapter
- 3.8. Optional Hand Pump

4. OPTION

The optional full stainless steel fuel enclosure cabinet shall be provided. It shall be designed with high quality industrial components to assure extended life and trouble free operation.