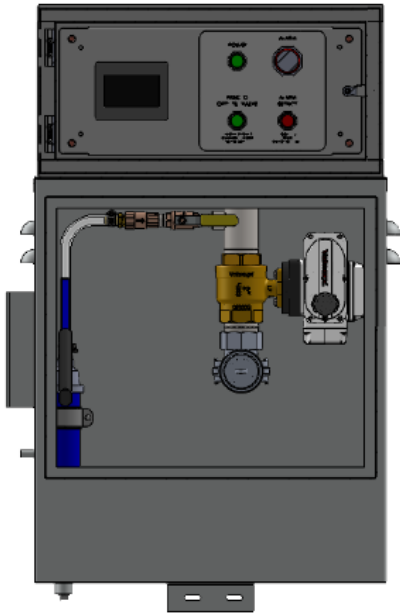


ISP Compact Fuel Fill Port

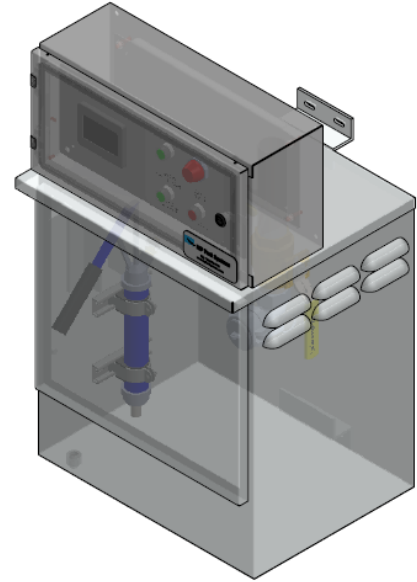


Features:

- Easily accessible fill operation for fuel storage tanks
- 10 Gallon spill containment area with incorporated leak switch and hand pump
- Weatherproof and vented carbon steel or stainless steel construction
- Hinged door pad lockable enclosure
- Tank or Wall-Mounting Brackets

Standard Mounting:

- Tank/Wall Mount
- Post Mount



Factory assembled internal piping includes:

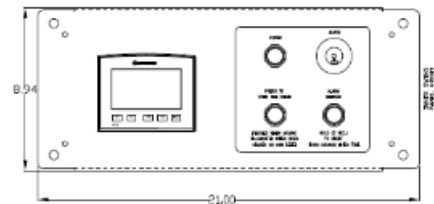
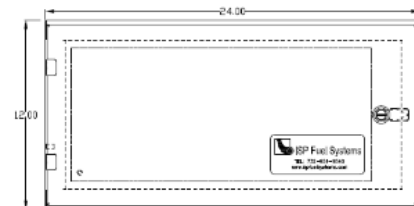
- 2", or 3" Cam-lock fill connection with 90° elbow
 - Spill Removal Lever-Action Hand Pump
 - Shut-off Ball Valve
- ISP Factory Testing and Assembly
 Optional-Check Valve integral to connection coupling

Unit shown includes mounting brackets, motorized shut-off valve, and Integral Control Panel

Consult the factory for customized solutions

Optional Integral Control Panel:

- UL 508A
- Fill Tank Selection
- Level Display in Gallons
- Control of Motorized Valves
- Microprocessor-based controls
- Stop Fill/Overfill Audible and Visual Alarm indication





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Fill Port Sequence of Operations (Single Tank):

1. Delivery truck operator connects the ground cable to the grounding lug on the fill station
2. Unlock the fill box
3. If included, open the lockable fill station control panel door to access fill station control functions.
4. Connect the delivery hose to the Cam-lock coupling for direct filling.
5. Press the pushbutton to open the motorized valve inside the fill port.
6. Motorized valve will cycle open (provided the tank to be filled is under the 95% full level).
7. Operator begins the filling process
8. The fill station control panel will activate an audible and visual alarm when the tank level reaches the 90% level, alerting the driver to stop the filling process.
9. If the filling process continues and the tank reaches the 95% level, the Fuel Storage Tank "Critical-High Level" alarm will activate and the motorized valve inside the fill port will cycle closed preventing the operator from filling the tank any further.
10. Operator disconnects the delivery hose and hand pumps any spilled fuel into the fuel fill line.
11. Shut and lock all Fuel Oil Fill Port doors.

Suggested Specifications:

FUEL OIL REMOTE FILL STATION

- a. Fill Station: Provide a free standing or tank/wall mounted, weatherproof fuel fill station (when shown on drawings) for tank filling as part of an integrated system of controls, level monitoring, and leak detection. The Fill Station shall be provided with a spill containment capacity of no less than 10 gallons and a hand pump shall be included for pumping spilled fuel directly into the fill line. Fill Box shall be provided with a NEMA-4 Carbon Steel or NEMA-4X Stainless Steel Fill Station Control Panel for the operation and monitoring of fill line motorized ball valves and notification when the tank has reached 90% full capacity. The Fill Station Control Panel shall also monitor levels and leaks at the fuel storage tank(s).
 - 1) Overfill Alarm / Fill Station Control Panel shall be mounted to the fill box and provide an overfill alarm notification when the tank has reached 90% full capacity. The alarm horn can be silenced by the operator but the associated alarm light(s) will stay active until the level in the tank goes below the 90% level. The horn can also be programmed to silence automatically after 90 seconds.
 - 2) Tank Fill / Gauging panel will continuously display levels in the tank.
 - 3) Fill / Gauging Panel & Fill Box shall be as manufactured by ISP Fuel Systems.