**Over-wing Fueling**

## Position the truck as required to safely fuel the aircraft and set the park brake.

## With engine running at idle rpm, shift the transmission into neutral.

## Make necessary grounding connections.

1. Open the Internal valve with the manual lever located on the driver’s side near fueling module.

(Opening the internal valve sets the brake inter-lock and energizes the PTO)

1. Open required reel shut off valve.
2. Remove nozzle from holder and pull required amount of hose from reel.
3. Bond nozzle to aircraft before opening fuel cap.
4. Commence fueling by squeezing the nozzle handle.
5. After completion of fueling, disconnect bond, rewind hose and place nozzle back into holder. (care should be taken not to drop or drag nozzle)
6. Close the internal valve and reel valve.
7. Remove park brake and safely move truck away from aircraft.

**NOTE: Do not allow the pump to run for long periods of time before and after fueling**

**Single Point Fueling**

1. Position the truck as required to safely fuel the aircraft and set the park brake.
2. With engine running at idle rpm, shift the transmission into neutral.
3. Make necessary grounding connections.
4. Open the Internal valve with the manual lever located on the driver’s side near rear module.

(Opening the internal valve sets the brake inter-lock and energizes the PTO)

## Open required reel shut off valve.

1. Remove nozzle from holder and pull required amount of hose from reel. (removing the nozzle energizes the brake inter-lock)
2. Bond nozzle to aircraft as needed before opening fuel cap.
3. Connect single point nozzle to aircraft fueling point.
4. Commence fueling by squeezing the dead-man handle. (Engine speed will increase to preset speed for max. flow rate)
5. After completion of fueling, disconnect nozzle & bond, rewind hose and place nozzle back into holder. (care should be taken not to drop or drag nozzle)
6. Close the internal valve and reel valve.
7. Remove park brake and safely move truck away from aircraft.

**NOTE: Do not allow the pump to run for long periods of time before and after fueling**

**Bottom Loading**

## Position the truck as required to safely load correct product.

1. Set park brake and shut off engine.
2. Make necessary grounding connections.
3. Open bottom load door and verify the internal valve is closed. (Opening door energizes brake inter-lock system).
4. Connect fill hose to bottom load adapter and pressurize the system.
5. Open shut-off valve at bottom load adapter and loading will begin. (If loading fails to start make sure pre-check valve is CLOSED)

7. Check high level shut-off by opening pre-check valve. Internal valve will close and loading will stop. (If loading does not stop, make repairs before proceeding. **Tank will overfill!)**

8. Close pre-check valve and loading will resume; filling will stop when level reaches high level sensor.

9. Close the shut off valve, depressurize the loading system and remove the loading hose.

1. Close the bottom load door and disconnect grounding cables.
2. Truck is now ready to safely drive away.

**Note: NEVER leave truck unattended while bottom loading**.

**De-Fueling**

1. Position the truck as required to safely de-fuel the aircraft and set the park brake.
2. With engine running at idle rpm, shift the transmission into neutral.
3. Make necessary grounding connections.

## Open required reel shut off valve.

1. Remove nozzle from holder and pull required amount of hose from reel. (removing the nozzle energizes the brake inter-lock)
2. Bond nozzle to aircraft as needed before opening fuel cap.
3. Connect single point nozzle to aircraft fueling point.
4. Commence De-fueling by pulling the de-fuel operator handle. NOTE: **DO NOT OPEN THE INTERNAL VALVE OR TANK MAY OVER FILL**
5. Check high level shut-off by OPENING pre-check valve. Internal valve will close and loading will stop. (If loading does not stop, **Tank will overfill!** make repairs before proceeding).
6. CLOSE pre-check valve and loading will resume; filling will stop when level reaches high level sensor.
7. After completion of de-fueling, disconnect nozzle & bond, rewind hose and place nozzle back into holder. (care should be taken not to drop or drag nozzle)

## Close the reel valve.

1. Remove park brake and safely move truck away from aircraft. **NOTE: Do not allow the pump 4o run for long periods of time** before **and after fueling**