S405 **1452 Pump Operations**

**To Start Pump - *Inside Cab for ‘Monitor only’ operation***

1. Ensure **Tank to Pump** valve & is fully open
2. Ensure **Tank Fill/Recirc** valve is partially open
3. Turn **Master Switch** ‘ON’
4. Toggle **Throttle** down
5. Push **Choke** button, hold until engine starts
6. Turn **Ignition Switch** to ‘START’
7. Release **Ignition Switch** to ‘ON’ position
8. Toggle **Throttle** up to appropriate Pressure
9. Engage **Monitor**

**Note:** Pump must be shut down and started from same location *(Back of Truck or Inside Cab)*

**To Start Pump *(Outside Cab)***

1. Insure **Master Switch** is ‘ON’
2. Open **Tank to Pump** valve
3. To Start pump:
4. Toggle ‘**Throttle**’ down
5. Push **Choke** button, hold until engine starts
6. Turn **Ignition** to ‘START’
7. Partially open **Tank Fill/Recirc** valve
8. Communicate with hose person
9. Slowly open appropriate **discharge valve**
10. Adjust **Throttle** for desired discharge pressure (less than 100psi)

**To Draft**

**Draft with Hose Flow**

1. Connect Hard Line to Intake connection
2. Simultaneously and slowly;
3. Open **Intake Valve** *while you*

Close **Tank to Pump Valve**

Slowly open **Tank Fill/Recirc Valve**

1. Adjust **Tank Fill/Recirc Valve** and/or **Throttle** as necessary to maintain hose line pressure
2. Close all **valves** (& drains)
3. Connect 2 ½” Hardline to **Intake** connection
4. Start **pump**
5. Slowly open **Intake valve**
6. Pull **Primer handle,** if necessary, (hold no more

than 15 sec) (Pressure should show on gauge)

1. Adjust **Throttle** for desired discharge pressure

**TO FILL TANK with or without Hose Flow**

1. Slowly open **Tank Fill/Recirc** valve while drafting
2. With Hose Flow, adj **Tank Fill/Recirc** valve to maintain hose pressure

**Shut Down Pump (Inside/Outside Cab)**

1. Communicate with Hose Person
2. Toggle **Throttle** down
3. Close appropriate **Discharge Valve**
4. Turn off **Ignition switch**