

Setting Your Diaphragm Pump

Pressure

Varies with components: valves, hoses, etc

All components must exceed or meet operating pressure ☆ Max Pressure = 90 +

- High: Hand Gun and Boom = 90 PSI Limit of Unit
- Low: Nozzles = 40 PSI Or desired rate per acre at pressure below maximum

Note: ★ Maximum pump pressure is much higher than components found on this unit. NEVER allow maximum pressure of pump to exceed pressure stated above. Pressure above component pressure will cause failure of parts and may cause personal injury. Do not operate until pressure is stated.

YOU MUST ALWAYS:

1. ALWAYS start with control lever OFF in dump position – goes unrestricted to top of the tank
2. Start with agitation open
3. Know GPM's required and PSI
4. Start with booms off
5. Set air pressure in diaphragm and adjust pressure to reduce pulsation before connecting, adjust PTO length
6. Start with dump valve knob out – turn counter clockwise, need to balance with 8460 PRV at control. Have 8460 open, move dump valve to on position, do not allow PSI over 90 PSI, close 8460 to reach the maximum. If goes over 90 PSI need to increase flow back to tank thru agitation, dump or PRV.

SET PRESSURE:

1. Control lever off in dump position –*Failure to do so VOIDS WARRANTY- start with pressure knob out*
2. Agitation opened
3. Boom open
4. Low pressure and high GPM's open agitation (more flow to boom) and close agitation and adjust pressure knob to change boom nozzles, PSI to desired rate.

CAN NOT BUILD PRESSURE – Check these items:

1. Jet nozzle, restrictor inside tank-close for spraying after agitation
2. Lines – collapsed or kinked
3. Pump – not primed
4. Valves – not open
5. Strainer – Blocked
6. Opening - Restricted

MAINTENANCE SUGGESTIONS:

1. Oil 10W40 – once a year – verify with manufacturer's instructions
2. Damper – 10% operating PSI
3. Replace diaphragm – once a year

WORKING THE UNIT:

1. Test with water before starting – NO CHEMICALS added
2. Check the strainer – 16 mesh required. Clean if necessary. Close valve before opening strainer.
3. Attach to proper battery terminals (if applicable), open nozzles and dump, set tip.
4. NEVER allow pump to pulsate. Check the pressure in the diaphragm head to stop pulsating
5. See the pump's operating instructions from the manufacturer for further safety precautions.