TROUBLE SHOOTING
UDOR DIAPHRAGM PUMPS

REFER TO THE PROPER PUMP BREAKDOWN AND DIAPHRAGM PUMP SERVICE GUIDE BEFORE PERFORMING ANY MAINTENANCE OR SERVICING OF THE PUMP. www.udorusa.com

UDOR diaphragm and plunger pumps "pump volume", not pressure. The pressure is determined by adjusting the pressure regulating valve and selecting the proper orifice size of spray nozzle or nozzles.

NEVER run any UDOR diaphragm pump without a pressure regulating valve installed on the pump or in the discharge plumbing.

PROBLEM	CAUSE	REMEDY
• NO PRESSURE • VERY LITTLE PRESSURE • PRESSURE DROPS BELOW WORKING RANGE WHEN RELIEF VALVE IS OPEN TO BOOM OR GUN	1) Plugged filter* restricting flow 2) Suction hose obstruction 3) Collapsed suction hose inside or outside tank restricting flow 4) Pump drawing air through suction line hoses or fittings 5) Pressure relief valve stuck or worn 6) Excessive tank foam due to low tank volume 7) Nozzle volume is greater than pump capacity 8) One or more pump valves / check valves seating improperly	• Clean filter screen • Clear obstruction • Replace collapsed hose • Examine hoses and fittings, ensure air tight fit and no leaks • Repair or replace relief valve • Refill tank • Reduce nozzle orifice size or number of nozzles used • Clean or replace pump valves / check valves
• PRESSURE GAUGE FLUCTUATES WILDLY • EXCESSIVE PULSATION	1) Pulsation dampener pressure too low or too high 2) Pump drawing air through suction line hoses or fittings 3) Plugged filter* restricting flow 4) Air not entirely evacuated from pump cavity	• Adjust pulsation dampener pressure (Refer to pulsation dampener setting on Pump Operation Sheet) • Examine hoses and fittings, ensure air tight fit and no leaks • Clean filter screen • Run pump with an open discharge to totally evacuate air
• PUMP DOES NOT DRAW WATER	1) Pump drawing air through suction line hoses or fittings 2) Plugged filter* restricting flow 3) One or more pump valves / check valves seating improperly	• Examine hoses and fittings, ensure air tight fit and no leaks • Clean filter screen • Clean or replace pump valves / check valves
• PUMP OIL HAS MILKY COLOR OR OIL PLUG POPS OUT	1) One or more diaphragms have ruptured	• Replace all diaphragms • Clean filter screen
* NOTE - Only use filter screens that are between 10 & 20 mesh. Never use a fine filter screen on the inlet side of a diaphragm pump.		

WARNING!: DO NOT PUMP OR FLUSH PUMP WITH ANY FLAMMABLE, EXPLOSIVE, CAUSTIC OR CORROSIVE FLUIDS. DO NOT USE ANY OF THESE PRODUCTS IN AN EXPLOSIVE ATMOSPHERE. FAILURE TO FOLLOW THIS WARNING CAN RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE AND WILL VOID ANY AND ALL WARRANTIES.

Revised 2-1-2011