

### General

#### Additional Parts Required

This kit includes the URG supplied equipment only.

Proper installation of this kit requires the separate purchase of the following materials:

- Permanent marker
- #2 Phillips screwdriver
- Thread Locking Compound (Loctite 222)

**WARNING:** Disconnect electrical power supply cord before attempting a rebuild.

If product is hard wired into system, disconnect electrical power at the circuit breaker or fuse box before rebuilding.

Vent all air lines to release pressure or vacuum.

Failure to follow these instructions can result in death, fire, or electrical shock.

**Kit Contents:** See Service Parts Table

### Installation

1. Disconnect electrical power to 3000N.
2. Unplug pump power cord from the upper outlet of the relay box located in the lower stant compartment.
3. Disconnect the vacuum line and snubber from the pump.
4. Remove the 4 hex nuts under the pump shelf that secure the pump.
5. Mark the orientation of the ports so cover will be reinstalled correctly.
6. Remove screws from the head of the pump. Remove head of the pump.
7. Mark the orientation of valve plate(s). Remove valve plate(s).
8. Remove and discard currently installed cup(s), retainer screws, cylinder o-ring(s), head o-ring(s), valves, and valve retainers.
9. Install new cup(s) on rod(s) facing up.
10. Reinstall retainer plates.
11. Apply a thread locking compound (Loctite 222) to retainer screws. Torque screws to 34-38 in. lbs.
12. Carefully install cylinder(s) over cup(s) at an angle to avoid damaging cup(s).
13. Clean valve plates with water based solvent. Take care to not scratch valve seats.
14. Install valves and valve retainers. Check that the orientation with ports is correct.
15. Apply a thread locking compound (Loctite 222) to retainer screws. Torque screws to 10-13 in. lbs.
16. Install cylinder o-ring(s) in the bottom of valve plate(s).
17. Check that the orientation of valve plate(s) with the port is correct.
18. Install head o-rings in the o-ring groove on top of valve plate.
19. Reinstall head over valve plate(s) checking that orientation with ports is correct.
20. Torque screw to 50 in. lbs.
21. Reinstall the pump onto the pump shelf. Resecure the 4 hex nuts.
22. Reconnect the vacuum line and snubber.
23. Plug pump power cord into the upper outlet of the relay box.

If pump still does not produce vacuum or pressure, send unit to URG Corporation for repair.

### Service Parts Table

Kit	Installation Kit	Item	Description (Quantity)	Part Number
URG-3N-PRK-71R			71R Series Pump Rebuild Kit	
URG-3N-PRK-72R			72R Series Pump Rebuild Kit	
			71R Series Vacuum Pump,115VAC	URG-3N-VP-71R
			72R Series Vacuum Pump,115VAC	URG-3N-VP-72R