

INSTRUCTIONS

POWR-GRIP

N-4950

N-5450

N-6450

N-4000

APPLICATION AND RELEASE

TO APPLY: Make certain both gripper face and surface it is being applied to are free of contaminants. Press gripper face against material being handled, using enough pressure to bring sealing edges into full contact. Operate pump until plunger stays in — well beyond red indicator.

TO RELEASE: Press top of valve lever toward end of handle and hold until gripper releases.

Appearance of the red band during a lift indicates the gripper is gradually losing its hold on the load. Although the valve is internally checked so the unit can be repumped without further loss of attaching pressure, safety commands that, whenever possible, the load be set down before repumping.

FOR MAXIMUM RELIABILITY

PERIODICALLY: Test gripper for excessive leakage, sluggishness in pump action and radical increases in number of pumps needed for full evacuation. Examine handle and plunger for dents or cracks. Examine pad face for excessive glaze, cuts or roughness, and make certain filter felt is in place.

DO NOT lay gripper face down on rough or contaminated surface — **ESPECIALLY A CUTTING TABLE.** Keep gripper in box when not in use.

MAINTENANCE

N-4950; N-5450; N-6450 (Metal handles/pumps)

TO REMOVE GLAZE from pad face, scrub surface with a rag that has been soaked in soapy water, alcohol, solvent or kerosene. Hold unit face down while scrubbing, so cleaner will not get inside pump or on felt strip around edge of pad. **IF PUMP LEAKS** (not routine maintenance), pull plunger straight out and gently wipe all surfaces with soft, lint-free cloth (include interior of handle). Soak lubricating felt in 30 weight motor oil and allow to drain. Smear light oil coating around interior of handle tube at outer end and replace pump. Make certain O-ring seats smoothly in handle recess.

N-4000 (All Lexan handle/pump units)

TO REMOVE GLAZE from pad face, scrub surface with a rag that has been soaked in soapy water, alcohol or white kerosene. **NEVER USE SOLVENT AS CLEANING AGENT.** Hold unit face down while scrubbing, so cleaner will not get inside pump or on felt strip around edge of pad. **IF PUMP LEAKS** (not routine maintenance) pull plunger straight out and gently wipe all surfaces with soft, lint-free cloth (include interior of handle). Before replacing plunger, re-coat U-cup with **SILICONE LUBRICANT**, and smear light silicone film on inside of handle.

See Safety Tips - Reverse Side

SAFETY TIPS

**FOR YOUR PERSONAL SAFETY
(PLEASE READ BEFORE USING UNIT)**

Although every effort has been put forth to make this the safest possible vacuum handling device, mistreatment or misuse may damage the unit or otherwise create conditions which could lead to failure. This may result in unexpected release of the load and injury to the user or others.

TYPES OF MISTREATMENT OR MISUSE WHICH MAY LEAD TO FAILURE OF THIS CUP AND CREATE A POSSIBLE HAZARD FOR THE USER OR OTHERS:

1. **POUNDING ON** or dropping the unit may cause cracks or fractures in handle or plunger. Cup may leak and indicator may fail to function.
2. **PRYING AGAINST** handle can distort cylinder and cause unexpected loss of grip.
3. **USE OF** improper pump lubricant may cause distortion or softening of interior seals. Cup may leak or refuse to attach.
4. **LAYING** unit face down on rough surface may cause damage to sealing edges. Cup may leak.
5. **REMOVAL** of filter felt can allow contaminants into pump. Cup may leak and indicator may fail to function.
6. **APPLYING** cup to contaminated surface (oil, wax, powder, etc.) may cause cup to leak and will decrease slip resistance.
7. **INTERFERING** with plunger during a lift (holding in, etc.) will prevent indicator from functioning.
8. **APPLYING** cup to porous material will allow air to enter pump and cause release of grip.
9. **USING** solvents to clean N-4000 model can lead to disintegration of pump and handle.
10. **NEVER TOUCH VALVE LEVER DURING A LIFT. THIS MAY RESULT IN LOSS OF ATTACHING PRESSURE AND RELEASE OF LOAD.**