

Safety Guidelines for Proper Use of All-Vac Pump Style Suction Cup Lifters

The following are guidelines intended to assure the safest possible use of All-Vac's Pump Style Suction Cup Lifter. Our recommendations are not intended to cover all possible applications involving this hand tool, but simply to point out general simple rules for using our product. The material being lifted or moved must be smooth, dry, clean, and nonporous.

Before using the Lifter, ensure that the surface of the material being lifted or moved does not have dirt, oils, grease, water, powders, or other materials on it, as these will greatly impair the necessary seal created by the Suction Cup Lifter. Also ensure that the rubber suction cup is clean and free of any debris.

Secure the tool to the material being lifted by pressing the suction cup firmly onto the surface of the material. . Position the Lifter so that you can see the red ring indicator on the handle while you are lifting the material should it appear. Pump the plunger until it stays in the handle, and you can no longer see the red ring indicator. Give a slight tug on the handle to make sure that the suction cup correctly sealed onto the material.

Release the tool by first ensuring that the material is well supported. Then, press the top of the valve release lever (located on the handle, opposite the plunger) toward the plunger, holding down until the suction cup releases. For Suction Cup Lifters that have a suction cup diameter of less than 8", pull up on the release tab to allow air to enter until the cup disengages completely (as there is no valve release lever). Remove the suction cup lifter when not in use.

Red Ring Indicator: If the red ring indicator is visible, the Suction Cup Lifter has not achieved the vacuum necessary for its use. Only use the Suction Cup Lifter when the red ring indicator stays recessed into the handle. If the red ring indicator appears while you are lifting material, the Suction Cup Lifter is losing vacuum and its hold, and you should carefully set the material down as quickly as possible and pump the plunger until the red ring indicator stays recessed into the handle. The red ring indicator may not accurately work at elevations above 5,000 feet (1524 meters). Never interfere with the free movement of the plunger during lifting.

- **Use the Suction Cup Lifter at temperatures ranging from 10° to 120° Fahrenheit (-12° to 49° Celsius).**
- **Do not use the Suction Cup Lifter to lift loads that exceed the load capacity.**
- **Do not use solvents, gasoline or other harsh chemicals to clean the suction cup. Avoid having the suction cup come into contact with contaminants and surfaces which could damage the sealing edges.**
- **Use the Suction Cup Lifter only as a hand lifting tool for short term handling.**
- **When finished using the tool, store it dry in the plastic container or plastic bag in which it was delivered; protected from direct sunlight, wind and water.**
- **Do not use the tool as a suspension tool for hoisting loads or to suspend or secure persons.**
- **Before using the tool, carefully check for any parts that appear damaged. If there is any question about the condition of the tool or its safe operation, DO NOT use the product.**

■ **Before using a tool that has already been used, or after repeated use, check the rubber suction cup seal for any debris, oil, or other material.** The seal needs to be clean and free of debris for optimal use. Seals may be cleaned with a small amount of soapy water applied to a clean cloth. When removing glaze or other material from the seal, hold the Suction Cup Lifter with the suction cup seal downwards so that no soap or water gets inside the plunger through the felt filter.

If you have questions regarding the use of any Suction Cup hand tool, please call us at (847) 675-2290 and ask to speak with an engineer. Effective date: January 2009.