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## **Safety Guidelines for Proper Use of All-Vac Pump Style Vacuum Suction Mounting Cups**

The following are guidelines intended to assure the safest possible use of All-Vac's Pump Style Suction Cup Mounts. Our recommendations are not intended to cover all possible applications involving these mounts, but simply to point out general simple rules for using them. Use these mounts on clean, dry, and relatively smooth nonporous surfaces.

Having dirt, oils, grease, water, powders, or other materials on the surface of the material and the suction cup will greatly impair the necessary seal created by the suction cup. Moisture or contaminants can reduce the slip resistance and hold of the suction cup. The red-line indicator may not perform reliably at elevations above 5,000 feet [1524 meters].

### **OPERATION**

#### **To Attach**

1. Clean the contact surfaces and, if needed, the face of the suction cup. Caution: Test the cup for staining or deformation of surfaces with light colors or soft coatings.
2. Position the cup so the red line will be visible if it should appear while the cup is attached.
3. 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.
4. Check the plunger frequently to make sure the cup remains securely attached. If the red line appears, pump the plunger until the red line is hidden again.

#### **To Release**

Lift on the release tab near the edge of the suction cup, allowing air to enter underneath the cup until the cup disengages completely. Caution: Remove the cup when not in use. If the cup remains attached to a hot surface (e.g., in direct sunlight) for an extended time, the rubber suction cup could bond with the surface, resulting in damage to the surface or to the suction cup when it is removed.

**Red Ring Indicator:** If the red ring indicator is visible, the Suction Cup has not achieved the vacuum necessary for its use. Only use the Suction Cup when the red ring indicator stays recessed into the handle. If the red ring indicator appears while you are lifting material, the Suction Cup is losing vacuum and you should pump the plunger until the red ring indicator stays recessed into the handle. A check valve allows the user to repump the cup without losing the remaining vacuum. 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 Mount to lift material; use a Suction Cup Lifting tool.**

- **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.**
- **When finished using the Mount, store it dry with the plastic cover that it came with or plastic bag in which it was delivered; protected from direct sunlight, wind and water.**
- **Before using the Mount, carefully check for any parts that appear damaged. If there is any question about the condition of the mount or its safe operation, DO NOT use it.**
- **Before using a Mount that has already been used, or after repeated use, check the rubber suction cup seal for any debris, oil, or other material.** The face of the suction cup needs to be clean and free of debris for optimal use. Suction cups may be cleaned with a small amount of soapy water applied to a clean cloth. Remove the air filter from the face of the cup before cleaning. 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 area where the filter is seated.

If you have questions regarding the use of any Suction Cup hand tool, please email us at [contact@allvacindustries.com](mailto:contact@allvacindustries.com) or call us at (847) 675-2290. Effective date: January 2020.