



# INSTRUCTIONS

## Model N6292

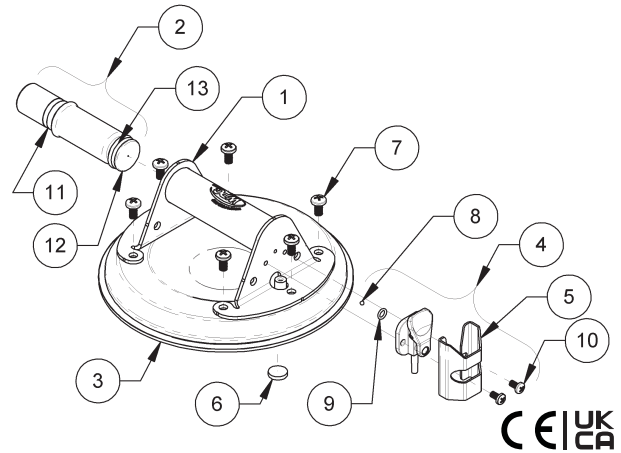
Rev. 0.3 / 09-25 Instruction Sheet 32610 **N**

1. [90510AM](#) Handle
2. [90520AM](#) Plunger Assembly, Metal
3. [49646T](#) Vacuum Pad, 11" Dia., Flat, Lipped (G3370)
4. [90500](#) Valve Block with Release Lever & Guard
5. [51506](#) Valve Guard
6. [15630](#) Filter Screen
7. [10002](#) Handle Screws (6)
8. Check Ball\*
9. O-Ring\*
10. [10008](#) Valve Screws (2)
11. Red Line

Not Shown

[29353](#) Pad Cover  
Plunger Lube\*

[90504](#) \*Maintenance Kit  
(8,9 and Plunger Lube)



## SPECIFICATIONS

### Product Description

Hand cups use vacuum to lift and carry loads, as follows: A manual pump removes air from between the rubber pad and the contact surface; a red line on the pump's plunger serves as a vacuum indicator; a check valve allows the user to repump the cup without removing it from the contact surface; and a release mechanism allows the cup to disengage completely.

### Maximum Load Capacity

225 lbs (102 kg) per cup. Maximum Load Capacity includes a 3:1 design factor and requires the following: attachment on clean, smooth, nonporous flat surfaces; a minimum vacuum level of 17½" Hg [-59 kPa]; and a friction coefficient of 1. This rating is based on tests of new hand cups attached to the upper, horizontal surface of static objects in ideal conditions. Many factors can reduce the capacity, including: lifting a load when the cup is attached to a vertical or inclined surface; or lifting a load that applies leverage to the cup. Contact an authorized dealer or WPG for more information.

### Load and Environmental Conditions

Use the cup on clean, relatively smooth, nonporous surfaces, at temperatures from 10° to 120° F [-12° to 49° C] and elevation up to 5,000' [1,524 m]. Moisture or contaminants can reduce the slip resistance of the cup. Contact an authorized dealer or WPG for more information.

## OPERATION

### To Attach

- 1) Position the hand cup on the contact surface so the red line will be visible if it should appear while lifting the load. CAUTION: Test the cup for staining or deformation of load surfaces with light colors or soft coatings.
- 2) Pump the plunger until the cup attaches completely. When the red line is hidden, vacuum is sufficient for lifting.
- 3) Check the plunger frequently to make sure the cup remains securely attached. If the red line appears while lifting, set down the load immediately and pump the plunger until the red line is hidden again (see WARNINGS).

### To Release

- 1) Set the load on a secure support.
- 2) Press the release lever until the cup disengages completely.  
CAUTION: Remove the cup when not in use.

## MAINTENANCE

### Service

Since aging and wear reduce the capacity of the rubber pad, it should be replaced at least once every 2 years or whenever damage is discovered (see Inspection).

If the hand cup does not function normally, the cup face may be dirty or

the cup may require service. First clean the cup face according to the directions to follow. If the condition persists, see [Troubleshooting Guide](#).

### Cleaning

- 1) Remove the filter screen from the cup face.
- 2) Use a clean sponge or lint-free cloth to apply soapy water or another mild cleanser to the cup face (see WARNINGS).  
CAUTION: To prevent liquid from contaminating the pump, hold the cup face-down or cover the suction hole in the screen recess.
- 3) Wipe all residue from the cup face.
- 4) Allow the cup to dry and reinstall the filter screen.

### Inspection

Examine and test the cup regularly to make sure it does not exhibit the following faults:

- cuts or damage to sealing edges of rubber pad.
- cracks or dents in handle or pump.
- reappearance of red line soon after attaching cup.
- sluggishness or dramatic changes in pump action.
- excessive glaze or stiffness of rubber pad.
- filter screen missing from cup face.

Correct any faults before using the cup (see Service).

### Storage

Store in a clean, dry location out of direct sunlight. Use the pad cover to protect the cup face from damage

## WARNINGS

Failure to observe WARNINGS could damage the hand cup or the load, or cause injury to the user.

- Do not use the cup to lift loads that exceed the Maximum Load Capacity or the effective capacity (see SPECIFICATIONS).
- Do not use the cup to support a person.
- Do not place the cup face against surfaces which could damage the sealing edges.
- Avoid conditions that could cause the cup to slip or to disengage prematurely, such as: contaminants, cuts or scratches in the cup face or contact surface; attaching the cup to porous materials; or applying pressure against the cup edge.
- Do not use the cup to lift when the red line is visible. If the red line reappears frequently, discontinue use and see MAINTENANCE: Service.
- Do not allow anything to interfere with free movement of the plunger while the cup is attached.
- Do not touch the release lever while lifting.
- Do not use harsh chemicals (such as solvents or gasoline) or rubber cleaners and conditioners to clean the cup.



## Limited Warranty

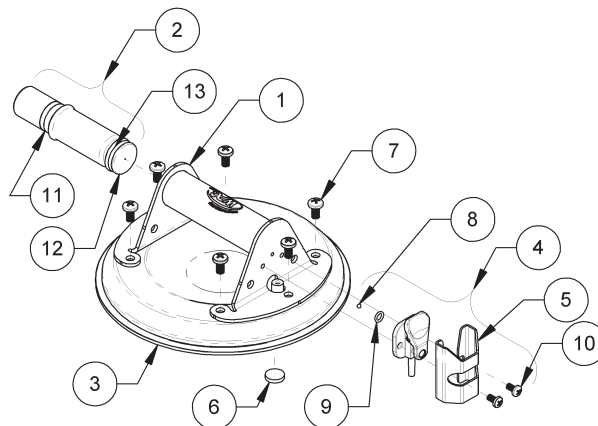
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### LIMITED WARRANTY

Wood's Powr-Grip vacuum cups are carefully constructed, thoroughly inspected at various stages of production, and individually tested. They are warranted to be free from defects in manufacturing and materials for one year from the date of purchase. If a problem develops during the warranty period, return the complete product as directed below. If inspection shows that the problem is due to defective manufacturing or materials, the product will be repaired or replaced without charge.

#### WARRANTY DOES NOT APPLY WHEN:

- Rubber portions have been cut or scratched during use.
- Repairs are required due to abnormal wear and tear.
- The product has been abused, misused or neglected.
- Alterations have been made to the product.

### TO OBTAIN WARRANTY SERVICE

For purchases in **North America**:

- Please include your name, address and phone number;
- Indicate WARRANTY RETURN;
- Ship product—prepaid—**DIRECTLY TO MANUFACTURER** at:  
Wood's Powr-Grip Co., Inc.  
908 West Main  
Laurel, MT 59044 U.S.A.

For purchases in **all other localities**:

- Return product to point of purchase.

### RETAIN THIS INFORMATION FOR YOUR RECORDS.

Purchased From

Model No.

Date Purchased

Serial No. (if present)