



VACUUM CUPS

CRL WOOD'S™ POWR-GRIP® EXCHANGE PROGRAM

- Trade Your Worn or Damaged Powr-Grip Vacuum Cup for a Factory Reconditioned One
- Now Available Throughout All CRL Warehouses

Your Wood's Powr-Grip Vacuum Cup might be one of your most valuable tools, but like any other frequently used items it can wear out or become damaged. Your options at this point are to replace it (costly), or repair it (time-consuming). CRL now offers an alternative that saves both time and money—the Wood's Powr-Grip Exchange Program. You send us your 8", 9" or 10" Powr-Grip Vacuum Cup. We replace it with a factory reconditioned cup at a price that beats buying a new one, and is comparable to (and quicker than) having it repaired. We perform this service at each of our conveniently located service centers, reducing turnaround and shipping times. For more information and pricing on this convenient CRL service, contact our Customer Service Department at (800) 421-6144 or visit our website at crlaurence.com/xcps.



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GENERAL INFORMATION ABOUT VACUUM CUPS

Vacuum cups are extremely useful for many different jobs in the glazing industry. There are three different types of vacuum cups, and CRL carries all of them.



A Type One Vacuum is created with a cup-shaped rubber that has a sealing edge. When the edge is pushed flat against a surface, air is removed, creating a seal. Because the rubber wants to return to its cup shape instead of remaining flat, it tries to pull away from the surface and regain its original shape. However, the sealing edge prevents the air from coming back in, so negative pressure (or a vacuum) is created. This type of cup needs to be checked frequently; when the sealing edge gets to a point where it allows air to enter too quickly, the cup should be replaced.

A Type Two Vacuum is created by a trigger which pulls the center of the rubber away from the surface. The edges of the rubber seal against the surface, creating a vacuum. On this type of cup, the rubber must be kept clean, and replaced as soon as it starts to lose air through the sealing edge.



A Type Three Vacuum is created by pushing a plunger in and out, pumping the air from the cup and forcing the rubber's sealing edge to the surface. When the plunger stays in, so that its red indicator line does not show, you will have vacuum. If the sealing edge is leaking, the plunger will slowly move out, exposing the red line. At this time, the plunger can be pushed in and out again until a safe vacuum is obtained; but, when one of these types of cups starts to leak, it is best to remove it and send it to us for repair. Cups having Type Three Vacuum are the best and safest cups CRL sells.

HIGHEST QUALITY & SAFEST CUPS WE SELL!

TYPE 3



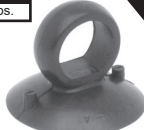
NOTE: On cups having a Type One or Type Two Vacuum you never know when the air has entered the cup until it is too late and the cup releases. Therefore always be careful to do periodic maintenance when using these types of cups. Always check the rubber for cut or cracked edges, as air will enter if the edge is damaged or worn. Replacement rubbers are available for most type two or type three cups.

CRL SPECIALITY VACUUM CUPS

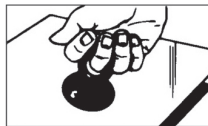
LITTLE GRABBER LIFTER

WEIGHT CAPACITY 4 lbs.

TYPE 1



Cat. No. VC1230

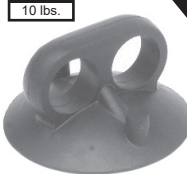


Lift light objects or just raise corners with our 2-1/2" diameter cup. Has specially designed release tabs.

KNUCKLE SAVER LIFTER

WEIGHT CAPACITY 10 lbs.

TYPE 1



Cat. No. VC3825



Lift corners and raise light objects with the Knuckle Saver. It features two-finger grip for extra lifting power and special release tabs. It's 3-1/4" in diameter.

PUSH BUTTON VACUUM CUPS

WEIGHT CAPACITY 10 lbs.

TYPE 1



Cat. No. VC2260



This cup's full hand grip really gives you quick, secure handling of smooth surface materials. Our 3-1/4" diameter cup has a metal release valve.

HEAVY-DUTY DOUBLE CUP SHEET METAL HANDLING TOOL

Cat. No. VC6540 (4" Cup)

WEIGHT CAPACITY 50 lbs.



TYPE 2

A convenient handle makes this ideal for one or two handed lifting of sheet metal and other smooth surface.

CRL 5" HEAVY-DUTY VACUUM CUPS

CRL DOUBLE CUP

TYPE 2

- #1 Trigger Type Cup
- Industry Proven

Set mirrors, remove salvage, handle structural glass, etc. with our popular Double Cup vacuum tool. It has two 5", one-piece rubber cups that give a strong, dependable grip on glass and other smooth surfaces. Weighs only 3 1/2 pounds.



WEIGHT CAPACITY 125 lbs.

Cat. No. 550

CRL DOUBLE CUP (CROSS HANDLE)

- Ideal Lifter for Those Who Prefer The Handle in This Position

TYPE 2

Featuring the same solid construction as our 550 Double Cup, this has the handle across the width instead of the length. The two 5" cups efficiently lift glass and other smooth surfaces. It's easy to manipulate, and weighs only 4 pounds.



WEIGHT CAPACITY 100 lbs.

Cat. No. 550A

CRL TRIPLE CUP

TYPE 2

An additional cup gives extra holding power, permitting the glass handler to maneuver glass without changing the cups' position. This 5" three cup model offers a more positive grip. Made of the same sturdy material as our double cup models.



WEIGHT CAPACITY 150 lbs.

Cat. No. 555

CRL WOOD'S™ POWR-GRIP® SPECIALITY VACUUM CUPS

CRL WOOD'S 6" VACUUM CUPS

- Same Powerful Grip as Larger Cups

Famous Powr-Grip quality is available in a 6" size. Convenient and comfortable fixed handle. Strong enough for most jobs, yet small enough to fit in a tool box or large pocket. A red-line indicator warns user of any vacuum loss and a check valve allows repumping without loss of remaining vacuum. Lift tabs on vacuum pad edges permit instant release.



TYPE 3

Cat. No. W6250

WEIGHT CAPACITY 70 lbs.

CRL WOOD'S HANDI-GRIP VACUUM CUPS

- Rugged and Convenient Aluminum Handle
- Easily Lifts and Positions a Wide Variety of Items



TYPE 3

Cat. No. TL6HG

WEIGHT CAPACITY 70 lbs.

The Handi-Grip Vacuum Cups are designed for handling small to moderate size loads: glass, sheet metal and plastics. Comfort-grip aluminum 'T' handle sits atop a reliable Wood's™ Powr-Grip® hand-actuated pump for sure holding power. Lift tabs on edges of pad for instant release.



WEIGHT CAPACITY 40 lbs.

Cat. No. LJ45HG

CRL WOOD'S 6" VACUUM CUP WITH VERTICAL HANDLE

- Ideal tool for Removing or Installing Windshields

Vertical handle and plunger configuration, along with the semi-concave cup, give you a cup that is excellent for gripping curved surfaces. Concave 6" cup flattens out when attached. Plunger-type pump activates vacuum quickly.

Cat. No. W6100



CRL WOOD'S™ POWR-GRIP® HAND-HELD VACUUM CUPS

CRL WOOD'S 8" FLAT VACUUM CUP

- Pump-Activated
- Red Warning Indicator

This is the basic cup used worldwide. Designed primarily for use on glass, it has a quick release feature that makes it convenient to use. The cup's nearly flat gripping surface means there are virtually no distorting forces applied to the surface being handled. Safe and efficient for use on almost all glass.

Cat. No. W4950



CRL WOOD'S 9" FLEXIBLE EDGE VACUUM CUP

- More Edge Flexibility Makes This Unit the Most Universal

Gives a reliable attachment on almost any nonporous surface. Also used on CRL Powr-Grip's variety of Hand Cup Frames. Pump has safety indicator.

Cat. No. W5450



CRL WOOD'S 10" CONCAVE VACUUM CUP

- Specially Designed for Curved or Irregular Surfaces

A concave-face cup designed for irregular surfaces. Widely used to mount objects on curved and flat surfaces which cannot be drilled.

Cat. No. W6450



CRL WOOD'S 8" ABS VACUUM CUP

- ABS polymer used in the pump and handle makes the cup lightweight, strong and rust-resistant

The tough ABS plunger mechanism and handle combine with a standard 8" pad for a lightweight cup with the same grip strength and load rating as the W4950 Vacuum Cup.

Cat. No. W4000



CRL WOOD'S 8" VACUUM CUP WITH ABS HANDLE FOR HIGH ELEVATIONS

- Designed to handle glass at elevations up to 12,000 feet

Powr-Grip's W4100 is specifically designed to handle glass at high elevations. In addition to most of the advantages of the W4000, this hand-held vacuum cup also features a blue plunger, to distinguish it from other Powr-Grip vacuum cups.

Cat. No. W4100



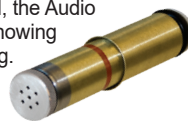
CRL WOOD'S™ POWR-GRIP® VACUUM CUP AUDIO ALARM

CRL WOOD'S LOW VACUUM AUDIO ALARM

- Audible indicator signals any vacuum loss
- Available with any W-Series Metal Vacuum Cup

In applications where it is difficult to maintain visual confirmation of the vacuum level, the Audio Alarm provides the security of knowing that vacuum is sufficient for lifting. With automatic on/off function, the Audio Alarm is as simple to operate as any standard Wood's™ Powr-Grip® hand cup.

Cat. No. WBP1



CRL WOOD'S™ POWR-GRIP® MATERIAL HANDLING PRODUCTS

CRL WOOD'S LADDER LIFTER WITH TWO W4950 8" VACUUM CUPS

- The Fastest, Safest, and Most Efficient Way to Install Above-Grade Windows
- Reduces Installation Crew to Only Two People
- Eliminates Staging of Scaffolding
- Can Be Used From Interior or Exterior

Developed by a high-volume remodeling contractor, the new CRL Wood's Ladder Lifter makes second story window installations safer and easier than ever. The Ladder Lifter quickly clamps onto the rungs of your ladder with the pulley assembly on top, and the braking winch assembly near the bottom.



Cat. No. LL185C

CRL ALL-TERRAIN DOLLY

- Terrific for Moving Heavy Glass Panels Around the Job Site
- Goes Where Other Glass Dollies Won't
- Built-In 8" Wood's™ Powr-Grip® Vacuum Cup
- Includes a Set of Our RB200 Roller Blocks

CRL's All-Terrain Dolly is like having an extra person on the job site. Moving stone slabs across any terrain is now a snap. Curbs, door sills, and scrap lumber are no longer obstacles when your crew is using the All-Terrain Dolly. Its large 406 mm (16") diameter pneumatic tire won't bog down in grass or dirt, common to residential or commercial job sites. This handy device also eliminates back and arm strain associated with carrying heavy loads suspended over long distances.



Cat. No. ATD1

CRL WOOD'S™ POWR-GRIP® BELOW-THE-HOOK VACUUM LIFTERS

FOR LEASE - WOOD'S VACUUM LIFTERS

- Don't Lose a Big Contract Because You Don't Have the Right Equipment
- Rent/Lease by the Week or by the Month

You can now rent famous Wood's Powr-Grip Vacuum Lifters on a weekly basis. No need to lose a big job because you don't have the right equipment—rent it from CRL! Large-dimension frames have capacity ratings of 700 to 4200 pounds. You pay for the time you have the lifter, from date of receipt to the day of return shipment (along with freight charges). Call CRL Technical Sales for complete details and rental rates.

CRL WOOD'S MANUAL ROTATOR/TILTER

- Multiple Configurations All From the Same Unit
- Full 360° Rotation with Tilt From Any Position
- Load Capacity 700 Pounds

The CRL Wood's™ Powr-Grip® Manual Rotator/Tilters are the most versatile vacuum lifting system ever offered. The flexible frame configurations, and adjustable pad locations allow you to design the frame to suit your requirements.



Cat. No. MRT411LDC

QUADRA-TILT™ ROTATORS/TILTERS 1400 & LOW PROFILE 1100 WITH INTELLI-GRIP® TECHNOLOGY

- Maximize Productivity
- Help Reduce Human Error
- Simplify Maintenance and Repairs
- Protect Employees and Property from Harm

The CRL Wood's™ High-Flow Quadra-Tilt Lifters feature an innovative Four-Bar Tilt Mechanism that significantly reduces the effort of tilting heavy loads between flat and upright positions. This tilt mechanism also reduces hazards associated with lifting loads from upright racks. When a load is tilted to either the upright or the flat position, the vacuum lifter maintains the load position automatically without using latches, eliminating the tendency for a load to "kick back" at the operator's knees.



Cat. No. MRTA811LDC3 and MRTALP811LDC3

CRL®

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