

KEEP FOR FUTURE REFERENCE

# INSTRUCTIONS MANUAL



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[www.WPG.com](http://www.WPG.com)



**INTENDED FOR USE BY SKILLED  
PROFESSIONALS • READ AND  
UNDERSTAND BEFORE INSTALLING**



## ROTARY VANE PUMP CONVERSION KIT

Stock numbers: 93035, 93035AM



# INSTALLATION

*Note: Before installing the Rotary Vane Pump Conversion Kit read, understand and follow the lifter's OPERATING INSTRUCTIONS except when directed differently in this INSTRUCTIONS MANUAL. Specifications, intended use, storage, inspections, tests and maintenance in the lifter's instructions should be understood to include components of this kit, when relevant. All warnings in the "SAFETY" section, as well as alerts in other sections, are applicable when installing the Rotary Vane Pump Conversion Kit.*

## TO MOUNT THE PUMP

- 1) Place the lifter's power switch in the "off" position (○). Disconnect the lifter's power cable from the power source.
- 2) Disconnect the power cable from the existing pump.
- 3) Remove the existing vacuum pump, including the mounting plate.
- 4) Attach the new pump and its attached mounting plate (fig. 3A) securely using the supplied hardware.

*Note: Plate and hardware will differ, depending on the kit (see "REPLACEMENT PARTS" on page 5).*

*Note: Different screws may be required, depending on the age and model of the lifter.*



# INSTALLATION

## TO WIRE THE PUMP



***Wiring should be performed by qualified service personnel.***



- 1) Determine whether the wires provided are long enough to reach the lifter's power enclosure. If not, add additional wire to the vacuum pump's wiring harness.

*Note: Any wire added must be 16 AWG or greater.*

- 2) Route the wiring harness, to avoid damage or interference with any moving parts of the lifter.
- 3) Wire the pump to the lifter using the wiring diagram provided in the final section of these instructions.

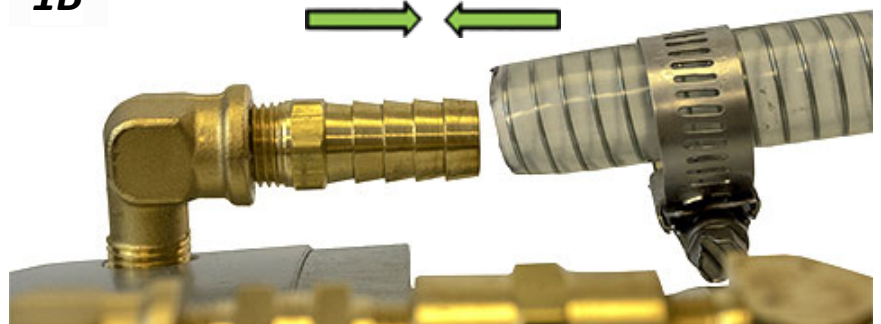
## TO CONNECT THE VACUUM HOSES

*Note: The Rotary Vane Pump Conversion Kit ships with the hose fittings attached to the pump.*

*Note: Ports are identified on the pump.*

- 1) Connect the hoses leading from the exhaust port to the lifter's control valve exhaust port (fig. 1B). Then secure it with the supplied hose clamp.

**1B**



- 2) Similarly, connect the hoses leading from the vacuum port to the lifter's control valve vacuum port. Then secure it with the supplied hose clamp.
- 3) Perform the Vacuum Test (see "TESTING" in the lifter's *OPERATING INSTRUCTIONS*).

# REPLACEMENT PARTS

## FOR CONVERSION KIT 93035

Stock No.	Description	Qty.
66127AM	Vacuum Pump – Rotary Vane Type – 4 SCFM – 100/120/240 V AC	1
65444	Vacuum Hose – 1/2" ID x 0.748" OD – Clear	*
65212	Check Valve – 1/4 MNPT – 1.0 PSI Cracking Pressure	1
54170	Mounting Plate	1
16212	Hose Clamp – 1/2" to 1-1/8"	4
15106	Straight Fitting – 1/2" Barb x 1/4 MNPT	2
14176	45° Elbow Fitting– 1/4 NPT – Brass	1
14154	Street Elbow Fitting – 1/4 NPT – Brass	1
14114	Coupling – 1/4 NPT – Brass	1
12770	1/4" Flat Washer	12
11011	Nylon Lock Jam Hex Nut – 1/4-20	4
11010	Nylon Lock Hex Nut – 1/4-20	4
10704	Hex Head Cap Screw – 1/4-20 x 5/8"	4
10524	Flat Head Socket Cap Screw – 1/4-20 x 3/4"	4
10383	Flat Head Phillips Machine Screw – 1/4-20 Thread x 5/8" — Zinc Plated	4

\* Length as required; hose is sold by the foot (approx 30.5 cm).

## FOR CONVERSION KIT 93035AM

Stock No.	Description	Qty.
95500AM	Vacuum Pump Assembly – Rotary Vane Type – 4 SCFM – 100/120/240 V AC	1
65444	Vacuum Hose – 1/2" ID x 0.748" OD – Clear	*
16212	Hose Clamp – 1/2" to 1-1/8"	4
12772	1/4" Split Lock Washer	4
12770	1/4" Flat Washer	4
10707	Hex Head Cap Screw – 1/4-20 x 7/8"	4
Call WPG	Mounting Plate	1

\* Length as required; hose is sold by the foot (approx 30.5 cm).

**SERVICE ONLY WITH IDENTICAL REPLACEMENT PARTS,  
AVAILABLE AT [WPG.COM](http://WPG.COM) OR THROUGH AN AUTHORIZED WPG DEALER**

# LIMITED WARRANTY

Wood's Powr-Grip® (WPG) products are carefully constructed, thoroughly inspected at various stages of production, and individually tested. They are warranted to be free from defects in workmanship and materials for a period of one year from the date of purchase.

If a problem develops during the warranty period, follow the instructions below to obtain warranty service. If inspection shows that the problem is due to defective workmanship or materials, WPG will repair the product without charge.

## **Warranty does not apply when ...**

- modifications have been made to the product after leaving the factory
- rubber portions have been cut or scratched during use;
- repairs are required due to abnormal wear and tear, and/or;
- the product has been damaged, misused or neglected.

If a problem is not covered under warranty, WPG will notify the customer of costs prior to repair. If the customer agrees to pay all repair costs and to receive the repaired product on a C.O.D. basis, then WPG will proceed with repairs.

## **TO OBTAIN REPAIRS OR WARRANTY SERVICE**

### **For purchases in *North America*:**

Contact the WPG Technical Service Department. When factory service is required, ship the complete product – prepaid – along with your name, address and phone number to the street address listed at the bottom of this page. WPG may be reached by phone or fax numbers listed below.

### **For purchases in all *other localities*:**

Contact your dealer or the WPG Technical Service Department for assistance. WPG may be reached by phone or fax numbers listed below.

Wood's Powr-Grip Co., Inc.

908 West Main St.

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# ENGINEERING DRAWINGS

 INTENDED FOR USE BY SKILLED TECHNICAL  
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