

# ***Shallow Well Jet Pump Package w/ Mascontrol***

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## ***1/2 Hp Pedrollo comes with Mascontrol***

### ***General Instructions for the 1/2 Hp Pedrollo Mascontrol Package***

The Mascontrol installed on the Pedrollo Shallow Well Jet Pump maintains constant pressure and flow. With this system, no pressure tank or switch is required.

This manual is a supplementary manual to the Mascontrol and Pedrollo Pump manuals and you must consult these manuals for wiring diagrams and control functions.

### **Before You Start**

Check national and local sanitary regulations and electrical codes. Their guidelines are provided for your protection so follow any applicable recommendations.

### **Inspect Your Pump**

Check the contents of your pump carton to ensure the following parts are included and undamaged. Your carton should contain:

- the pump
- liquid tight fittings (3)
- Mascontrol
- Mascontrol Installation and Owners Manual
- 4 ft - 3-18 gauge wire cable comes with fork connectors

To complete the installation, you will need piping of appropriate length and size, electrical fused disconnected switch and wiring supplies, plus any adapters, fittings and clamps necessary for pipe connections.

### **Select a Location**

Choose a location for your package that is clean, well ventilated and offers protection from weather, flooding and physical damage. A suitable location may be a dry basement. Ideally, the package should be as close as possible to a power source. A solid, level foundation should be available for mounting the system.

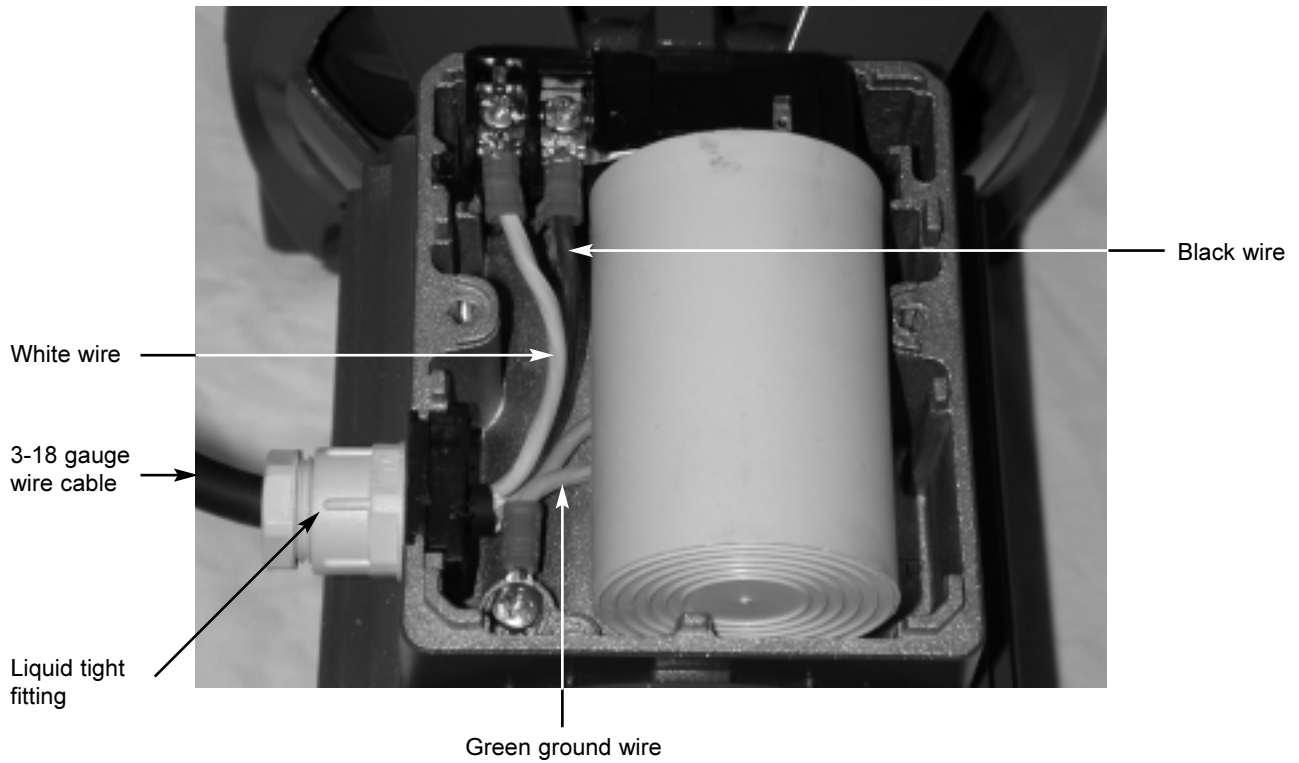
### **Power Supply**

All packages should be wired to a separate circuit through a fused disconnect switch or circuit breaker. The 1/2 Hp model may be connected to a 115 volt supply with a 20 amp fuse. See Mascontrol and Pedrollo Pump Manuals for correct wiring diagrams.

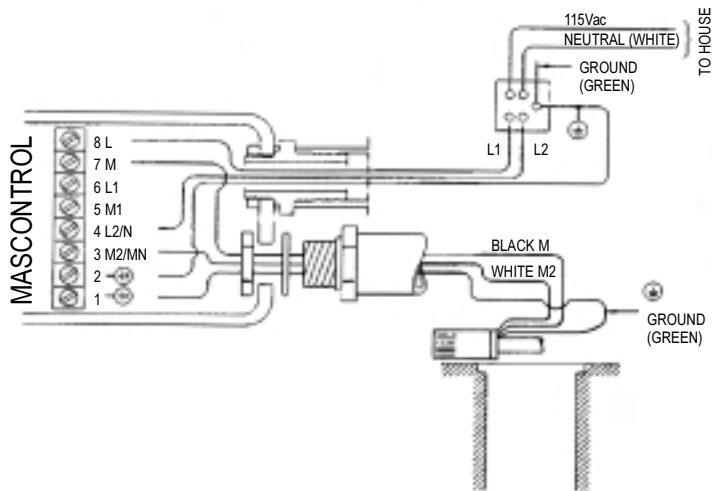
### **Finally**

Ensure that your source of water is clear of all dirt and grit before installing your system.





**Standard - Installation Wiring Diagram – 115 VAC Single Phase Two Wire Pumps**



\*See Mascontrol Installation and Owners Manual for more wiring diagrams.

## Trouble Shooting

Problem	Cause	Solution
1. Motor will not run	a. Power supply failure  b. Burned out motor	- Make sure power is turned on. Check for blown fuses, loose or broken wires, low voltage supply, malfunctioning pressure switch. - Check Mascontrol wiring guide.  - Replace. Check with dealer for warranty coverage.
2. No water supply	a. Motor not running	- See No. 1 above.
3. Motor overload - kicks out	a. Improper wiring  b. Voltage too low  c. Inadequate ventilation	- Check wiring diagram to make sure connections are properly matched to voltage. - Check at pump with voltmeter. Make sure wiring is heavy enough for long runs from power supply. - Take steps to increase air flow through pump location or air circulation around motor.
4. Water supplied is below rated amount	a. Offset piping too small	- Replace suction and drive lines with larger diameter pipe.
5. Pump cycling too often	a. Hidden water loss	- Check for leaky faucets and pipes drawing from tank. Also check for leaks in foot valve bleeding water back to well.
6. Air delivered through faucet at low pressure	a. Leak in suction line	- Check by plugging pump discharge and screw Schrader valve into tapping on right hand side of pump. Raise pressure to about 80 lbs. with tire pump. If pressure falls off quickly, leak is present. Inspect all connections and pipe sections. Check with soapsuds.

# **GUARANTEE**

This package is guaranteed to do the work for which it is intended when properly installed and operated. It is warranted to be free of defects in material and workmanship for a period of two years from date of manufacture.

## **How To Claim This Warranty**

The dealer from whom you purchased your unit has a thorough knowledge of its operation and maintenance. If trouble develops, please consult the dealer.

If a unit or part should prove defective within 24 months, return it to your dealer, transportation charges prepaid. The repair will be made or a replacement unit or part will be supplied free of charge. The serial number of the unit, or unit from which the defective part is taken, must be supplied.

This warranty does not obligate the manufacturer to bear the cost of field labor or transportation in connection with the replacement or repair of defective parts or units, nor shall it apply to any product upon which repairs or alterations have been made, unless authorized by the manufacturer.

The manufacturer shall in no event be liable for consequential damages or contingent liabilities arising out of the failure of any product, its power unit or its accessories to operate properly. No express, implied or statutory warranty other than herein set forth is made authorized to be made by the manufacturer.

All products not manufactured by WaterGroup Inc. are subject to the warranties of their respective manufacturers.