



## WP397 Remote Mount Centrifugal 12V Pump with 2 Side Exits

### In The Box:

- 1 Electric Pump WP397
- 2 3/8-16 x .75" Long SSSHCS bolt
- 2 3/8" AN Flat Washers
- 1 Mounting Bracket WP85
- 1 Wiring harness w/ 20 amp fuse
- 2 Contingency Decals

*The inlet and outlet fittings must be ordered separately to match your specific plumbing type and size.*



### To Do the Job You Will Need:

- (1) WN fittings for inlet
- (2) -16AN ORB fittings for outlet
- Light grease or oil
- Wiring tools and supplies
- Fabrication skills and equipment as mounting demands
- External plumbing to complete the circuit

### Inlet and Outlet Fittings:

The water pump inlet is located on the threaded mount side of the unit. This pump can use any of our "WN" style fittings for the inlet port. Typical sizes include 1 1/4" (WN0031), 1 1/2" (WN0032) and 1 3/4" (WN0033) for rubber hose and -12AN (WN0043), -16AN (WN0040), -20AN (WN0041) and -24AN (WN0045) for braided hose. Two outlet ports are located on the top and side. They each require a -16AN ORB fitting. Typical sizes include 1" hose (WP16100), 1 1/4" hose (WP16125), -12AN (WP16012) and -16AN (WP16016). The fittings seal to the pump with an o-ring seal. Use a little grease or oil to lubricate the o-ring before installing the fitting.

### Mounting:

This pump is a centrifugal pump. Therefore it must be gravity fed. It should be mounted at or below the mid point of the cooling system. The inlet hose should ascend or descend to the pump without undulations that would trap air. **To prevent air locking and cavitations, the outlet of the pump must be higher than the inlet.** See below for details.

#### **HORIZONTAL**



Anywhere in this range

#### **VERTICAL**



Vertical or any position between vertical and the horizontal recommendation shown to the left.

#### **NOT RECOMMENDED**



The pump will not self prime in this position.

# Installation Instructions

## WP397 Remote Mount Centrifugal 12V Pump

### Wiring the Pump:

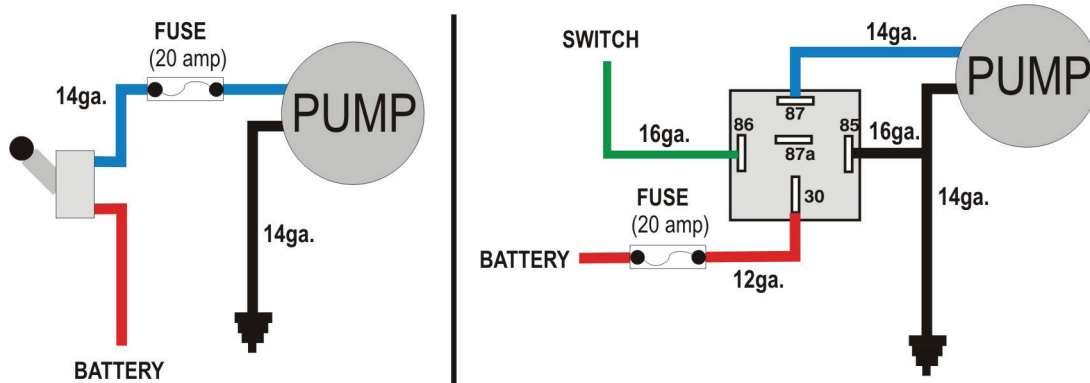
Use the fused harness supplied with the pump.

The **BLUE** wire should be connected to a 12 volt positive (+) switched source.

The **BLACK** wire should be connected to ground.

Supply and ground wires should be 14 gauge minimum. Switches should be rated at 20 amps or better.

**WARNING:** Not using a protection circuit (Fused circuit) will void your warranty.



### Startup / Running:

Fill the cooling system. Replace fill cap and turn on pump. Remove fill cap and top off coolant level. Recheck level after one heat cycle. **DO NOT RUN PUMP DRY for more than a few seconds.**

### Beauty Tip:

Your pump comes to you polished and waxed. Occasional waxing will allow dirt or debris to be wiped right off the pump and offer some protection from UV light (the anodized color on your pump can fade from prolonged exposure to sunlight).

California Proposition 65 Warning: Please see below for Prop 65 information.

### California Proposition 65 Warning

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**WARNING:** Motor vehicles contain fuel, oils and fluids, battery posts, terminals and related accessories which contain lead and lead compounds and other chemicals known to the State of California to cause cancer, birth defects and other reproductive harm. These chemicals are found in vehicles, vehicle parts and accessories, both new and as replacements. When being serviced, these vehicles generate used oil, waste fluids, grease, fumes and particulates, all known to the State of California to cause cancer, birth defects, and reproductive harm.

For background on the new Proposition 65 warnings, see:

<https://www.p65warnings.ca.gov/new-proposition-65-warnings>

Proposition 65 and its regulations are posted at:

<https://oehha.ca.gov/proposition-65/law/proposition-65-law-and-regulations>

To give Meziere notice of an alleged violation of California Health and Safety Code Section 25249.5 or 25249.6, you must send notice to:

[meziere@meziere.com](mailto:meziere@meziere.com)