

**Precaution:**

Inlet fitting, outlet fittings and pulley are ordered separately to match your application.

Installation Instructions

WPR430 Remote Mechanical Water Pump

In The Box:

- | | |
|---|--------------------|
| 1 | Pump WPR430 |
| 2 | Contingency Decals |

To Do the Job You Will Need:

- | | |
|---|-----------------------------|
| • | Standard hex wrench set |
| • | Drive pulley |
| • | Inlet fitting (WN Style) |
| • | Mount (customer fabricates) |
| • | Outlet fittings |

**Applications:**

The Meziere Remote Mechanical Pump is designed for belt drive applications where space is a problem, (i.e. kit cars, engine swaps, rear engine and streamliners). This pump can be mounted virtually anywhere you can attach a drive belt, including the bell housing. **The inlet and outlet sections of this modular pump can be timed in 45 degree increments independent of each other and the front housing.**

Mounting:

Four tapped holes are provided in the front plate for mounting provision.

Rotational direction note:

As viewed from the front WPR430 is designed to rotate in the counter-clockwise direction. If you need the opposite, please see part number **WP430**.

Pulley Selection:

The drive shaft is designed for a press fit 5/8 inch I.D. pulley and machined for a 3/16 drift key. Gilmer and V-Belt pulleys can be purchased from aftermarket companies. The shaft size is commonly used on dry sump pumps and readily available from many sources. When selecting a pulley arrangement the most important factor is the drive ratio.

This pump is designed for a maximum speed of 8000 rpm. To achieve maximum performance divide your max operating rpm into 8000 and this will give you the correct drive ratio ($6500 / 8000 = 1.23$). So in this case you might use a 13" (circumference) crankshaft pulley and a 10 1/2 in. pump pulley ($13 / 10.5 = 1.238$). Gilmer belt systems are generally preferred because they allow you to run smaller and lighter pulleys without belt slippage.

Inlet connection:

This pump is designed to use one of our "WN Style" fittings. The list of available adapters is on the right.

Inlet Fitting Options:

<u>Hose Style / Size</u>	<u>Meziere Part #</u>
Hose 1-1/4"	WN0031
Hose 1-1/2"	WN0032
Hose 1-3/4"	WN0033
AN -16	WN0040
AN -20	WN0041
AN -24	WN0044
Wiggins 1.50" Tube	WN0056
Wiggins 1.75" Tube	WN0057

Outlet Fitting Options:

<u>Hose Style / Size</u>	<u>Meziere Part #</u>
AN -08	WP12008
AN-10	WP12010
AN-12	WP12012
AN-16	WP12016
Hose 3/4"	WP12034
Hose 1"	WP12100
Hose 1-1/4"	WP12125
Hose 1-1/2"	WP12150
Hose 1-3/4"	WP12175

Outlet connection:

The (2) outlets on this pump are female -12AN. Please see the table on the left for available adapters from Meziere.

(over)



Startup / Running:

Fill the cooling system. Replace fill cap and run engine for a minute or two. Remove fill cap and top off coolant level. Recheck level (cold) after one heat cycle.

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