



## Remote Mechanical Water Pump

WP430

### **In The Box**

- 1 Pump
- 1 Decals

**The inlet and pulley must be ordered separately to match your application**

### **To Do The Job**

- \* 1/4 & 5/32 hex wrenches
- \* 5/8 inch I.D. pulley
- \* Inlet
- \* Mount
- \* Plumbing (rubber or braided hose and 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 deg. increments independent of each other and the front housing.**

### **Mounting**

Mounting kits are available for Big Block and Small Block Chevy. Some of the kit brackets may be helpful for other application (call us for more information).

### **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 in. (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.

### **Running**

Fill the cooling system. Replace fill cap and run the engine for 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 with a cleaner wax. An occasional waxing will allow dirt or debris to be wiped right off the pump and also offer some protection from UV light ( the anodized color on your can fade from prolonged exposure to sunlight).

Thank you for purchasing our product. Feel free to contact us if we can be of further assistance and enjoy your pump for a long, long time.