

## Warranty Void if not Completed

Warranty claims for P Frame and larger motors will not be honored without a signed start-up report. Please complete this form and email to [service@homapump.com](mailto:service@homapump.com) within 30 days to initiate warranty

Site Location: \_\_\_\_\_ Contractor: \_\_\_\_\_  
 Site Contact: \_\_\_\_\_ Engineer: \_\_\_\_\_  
 Distributor: \_\_\_\_\_ Owner: \_\_\_\_\_  
 Pump Model: \_\_\_\_\_ Pump Serial No.: \_\_\_\_\_  
 HP: \_\_\_\_\_ Pump Voltage: \_\_\_\_\_ Phase: 1-Phase 3-Phase Full-Load Amps: \_\_\_\_\_  
 Design Conditions: \_\_\_\_\_ GPM @ \_\_\_\_\_ TDH  
 Site Voltage: L1-L2: \_\_\_\_\_ L2-L3: \_\_\_\_\_ L1-L3: \_\_\_\_\_ L1-G: \_\_\_\_\_ L2-G: \_\_\_\_\_ L3-G: \_\_\_\_\_  
 Control Manufacturer: \_\_\_\_\_ Heater(Overload) Size: \_\_\_\_\_  
 Ground Connected: \_\_\_\_\_ Alternator Tested: \_\_\_\_\_  
 Installation Type: \_\_\_\_\_ Autocoupling Manufacturer: \_\_\_\_\_

### Single Phase

MegOhm Check to Ground: U1: \_\_\_\_\_ U2: \_\_\_\_\_ Z2: \_\_\_\_\_  
 Resistance Check (ohms): U1-U2: \_\_\_\_\_ U1-Z2: \_\_\_\_\_ U2-Z2: \_\_\_\_\_ T1-T2: \_\_\_\_\_ (NC, typ. 0.4 ohm)  
 Amperage Check: U1: \_\_\_\_\_ U2: \_\_\_\_\_ Z2: \_\_\_\_\_  
 Capacitor Sizes Installed: Start: \_\_\_\_\_  $\mu$ f Run: \_\_\_\_\_  $\mu$ f

### Three Phase

MegOhm Check to Ground: U: \_\_\_\_\_ V: \_\_\_\_\_ W: \_\_\_\_\_  
 Resistance Check (ohms): U-V: \_\_\_\_\_ U-W: \_\_\_\_\_ V-W: \_\_\_\_\_ T1-T2: \_\_\_\_\_ (NC, typ. 0.4 ohm)  
 Amperage Check (amps): U: \_\_\_\_\_ V: \_\_\_\_\_ W: \_\_\_\_\_

### Check List

- |                                    |                                 |                         |
|------------------------------------|---------------------------------|-------------------------|
| 1. Check Moisture Probe            | 4. Guide Rails: Plumb & Secured | 7. Pump seated properly |
| 2. Check Thermals                  | 5. Valves operating             | 8. Flow meter           |
| 3. Check Rotation (CCW from below) | 6. Profile seal installed       | 9. Pressure Gauge       |

Performance Test: \_\_\_\_\_ GPM @ \_\_\_\_\_ TDH

Comments \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

I Certify this Report to be Accurate (please sign): \_\_\_\_\_

Startup Date: \_\_\_\_\_ Report Date: \_\_\_\_\_

Run Capacitor sizing can vary depending on the incoming supply voltage provided. HOMA Single Phase pumps are provided with a Start and a Run Capacitor sized for 220-230V under load. Frequently, the available line voltage is considerably different than indicated, and the start or run capacitors may need to be resized to match the available field voltage. The following procedure will allow you to verify proper operation of your single phase pump, and/or make necessary changes to your capacitors to correct for your power supply.

After verifying wiring is in accordance with your pump requirements, start pump and record the following readings from each of the (3) pump cable leads.

Common  
U1

Run  
U2

Start  
Z2

Current under load:

U1 \_\_\_\_\_ **Amps** > U2 \_\_\_\_\_ **Amps** > Z2 \_\_\_\_\_ **Amps**  
Should be: (highest reading) (middle reading) (lowest reading)

Lead U1 (common) should have the highest current reading. Lead Z2 (start) should have the lowest reading.

If Z2 current draw is greater than the current draw of either U1 or U2, a smaller size Run capacitor (lower microfarad rating) is required to correct the condition. Example: If a 60 µf Run capacitor was supplied, change to a 50 µf Run capacitor and check current readings. Typically, only one step down in capacitor size is required, but in certain instances 2 steps may be required.

The standard capacitor kit provided includes: \_\_\_\_\_ µf start capacitor  
\_\_\_\_\_ µf run capacitor

Additional run capacitors have been included for use in tuning the pump to match available line voltages for optimum performance:  
\_\_\_\_\_ µf run capacitor  
\_\_\_\_\_ µf run capacitor  
\_\_\_\_\_ µf run capacitor